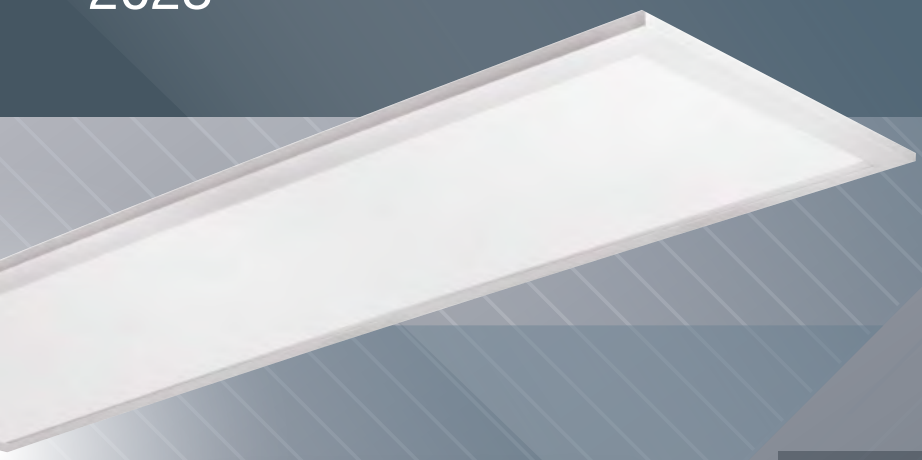
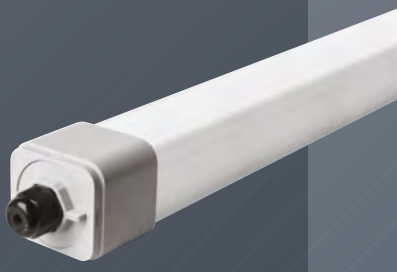
MEGAMAN®

TECHNICAL

LUMINAIRES

2023





www.megaman.cc

WHO WE ARE

Artificial light enhances the way we live and work. It brings us safety, comfort and productivity. Originated in Germany, MEGAMAN® is committed to providing light in a way that is truly sustainable, energy saving and of such a quality that it brings a positive difference into the lives of all who use our innovative LED lighting solutions.

MEGAMAN® is proud to be a major lighting brand to have exclusively manufactured low-energy lighting products throughout its entire history, offering more than 25 years of industry expertise and innovation to the lighting market.

Beginning in 1994 with the highly successful production of CFL light sources, MEGAMAN® has evolved to become a complete low-energy LED lighting solutions provider. MEGAMAN® has built a reputation for producing high-performance LED light sources that offer a true replacement for traditional metal halide and halogen – combining quality lighting performance with substantial energy savings.

MEGAMAN® is now applying its market-leading experience to an even wider range of lighting solutions including revolutionary Smart Lighting System and a suite of integrated LED luminaires.

- *INGENIUM*® ZB Smart Lighting Solution provides further energy saving potential for users and allows them have full control of smart devices via mobile app from anywhere in the world
- An extensive range of LED Luminaires are developed for both indoor and outdoor applications across diverse industries
- MEGAMAN®'s lighting products are distributed throughout the world mainly in Europe, Middle East and Asia
- Our advanced Research and Development facilities will ensure a continuous supply of innovative and sustainable lighting products in the market.

MEGAMAN® continues to play a leading role in combating climate change and carbon emissions by pursuing continuous innovation in the production of low-energy lighting solutions.

MEGAMAN® MILESTONES

2022 — Infinite IoT lighting solution developed based on Bluetooth Low Energy which is widely adopted in smartphones and tablets

2019 — Extended product range of *INGENIUM®* ZB smart lighting released

2018 — Launched Dual Beam Technology (DBT) which empowers users to have two beam angles in one LED luminaire or lamp

2016 — Launched U-DIM™ technology which offers seamless dimming and is compatible with the widest range of existing dimmers

2015 — Being one of the first companies to use plastic extrusion to produce water-proof battens; Launched *INGENIUM®* ZB smart lighting solution which adopts Zigbee technology

2014 — Launched first smart lighting range, *INGENIUM®* BLU; Industry first full range of Dim to Warm LED products

2013 — Integrated LED luminaires introduced

2012 — Patented LED module and light engine - TECOH® MHx and TECOH® CFx TECOH® CFx - World's first 2000lm Zhaga Book2 Certified Light Engine

2011 — High R9 Technology first introduced to LED range

2010 — Launched the first MEGAMAN® LED Candle and Classic Lamp

2009 — Innovative Thermal Conductive Highway™ (TCH) technology incorporated into MEGAMAN® LED reflectors

2008 – 1999 — Revolutionary patents and technologies invented for CFL products including: Patented Cooling-Tube technology, Silicone Protection technology, Award-winning industry first CFL GU10 reflector, Industry first Long Life CFL reaches 15,000 hours lifetime, Dimmable CFLs using DorS Step Dimming and DIMMERABLE Linear Dimming technology, Amalgam technology which prevents the use of liquid mercury.

1997 — Industry first candle-shaped CFL launched

1996 — Industry first classic-shaped CFL launched

1994 — MEGAMAN® incorporated in Germany

Integrated LED luminaire

Rigorous Quality and Management Systems

All MEGAMAN® products are designed, tested and produced in our own factories in Xiamen, China. Standards have been implemented factory-wide to ensure the MEGAMAN® manufacturing processes deliver innovative, reliable and safe products with high-quality standards now and in the future.

To ensure that MEGAMAN® products comply with the highest quality standards, company manufacturing plants are equipped with their own assembly lines.

The MEGAMAN® business runs under the most stringent management and quality systems. The green elements of the production process are maximised, employee welfare is prioritised and the company is socially responsible to the local community. To continually develop these areas, MEGAMAN® has undertaken a range of international accreditations. These include:

Quality Management System

MEGAMAN® lamps and luminaires are manufactured and certified to ISO 9001:2015.

Product Quality Assurance

MEGAMAN® lamps and luminaires are made using premium quality materials and innovative technologies within stringent control measures, to deliver maximum performance and energy efficiencies.

CE | TÜVRheinland | DEKRA

CNAS | ISO 9001 | ISO 14001

Innovative and Unique Products

With our patented LED design and technology, the MEGAMAN® LED luminaires and lamps are able to deliver superb performance, including low power consumption, excellent light output and low maintenance costs. They provide the highest quality lighting performance of any LED-based product on the market consuming the same power!

Entering a New Era in LED Lighting and Luminaire Solutions

Unique Features

- Energy efficient replacement for traditional metal halide, CFL, halogen and incandescent luminaires
- Deliver superb lighting performance
- High luminous efficacy up to 109lm/W
- High lumen maintenance: rated lumen maintenance of 70% (L70) at up to 50,000 hours life
- High colour rendering up to Ra97
- High colour temperature consistency
- Long rated life up to 50,000 hours
- Simple installation and servicing
- High energy savings
- No UV and IR radiation

Additional Benefits

- Mercury-free
- Instant start-up
- Wide range of operating temperatures

Applications

- Hospitality
- Retail lighting
- Office
- Residential
- Decorative
- Industrial
- Outdoor

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MEGAMAN® Performa FIXTURE RANGE HIGH PERFORMANCE & QUALITY FROM MEGAMAN®

essentials MEGAMAN® + VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +

Indoor / **Bulkhead**

MEGAMAN® **RENZO** 10

MEGAMAN® **JOSIE** 20

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i Integrated LED luminaire

Indoor / Batten

MEGAMAN®
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MEGAMAN®
FARRON
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MEGAMAN®
GARRON
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MEGAMAN®
PINOLITE 2
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MEGAMAN®
BERTO SIDELIT
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MEGAMAN®
ESTELA 2
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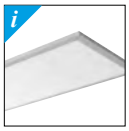

MEGAMAN®
BERTO BACKLIT
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Indoor / Track Panel

MEGAMAN®
XAVIER
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Indoor / Track Lighting

MEGAMAN®
MARCO Mini
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MEGAMAN®
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i Integrated LED luminaire

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Indoor / Emergency Lighting

** With Self-Test Function

MEGAMAN®
TEMPUS
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MEGAMAN®
TEMPUS
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MEGAMAN®
TEMPUS
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MEGAMAN®
TEMPUS
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MEGAMAN®
TEMPUS
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MEGAMAN®
TEMPUS
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MEGAMAN®
TEMPUS
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MEGAMAN®
TEMPUS
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Indoor / Under Cabinet

MEGAMAN®
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Indoor / Emergency Lighting

* With manual Test Function

MEGAMAN®
TEMPUS
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MEGAMAN®
TEMPUS
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MEGAMAN®
TEMPUS
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MEGAMAN®
TEMPUS
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MEGAMAN®
TEMPUS
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MEGAMAN®
TEMPUS
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MEGAMAN®
TEMPUS
201

MEGAMAN®
TEMPUS
202

Integrated LED luminaire

Outdoor / **Floodlight**

MEGAMAN®
TOTT 2
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MEGAMAN®
TITO
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MEGAMAN®
EKON
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Outdoor / **Bulkhead**

MEGAMAN®
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MEGAMAN®
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Garden Lighting

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Integrated LED luminaire

MEGAMAN® RENZO

Integrated LED luminaire

MEGAMAN® RENZO

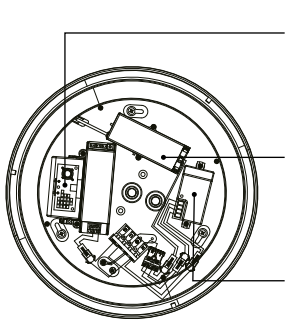
MEGAMAN® RENZO

Modular LED Bulkhead

MEGAMAN® RENZO consists of 3 unique MEGAMAN® luminaire design elements, Modular System, Switching CCT and Selectable lumen output; together with 3 different sizes, enables to provide ideal solution for different environment and functions. Plug-and-play modular system design enables wholesalers, installers or even end users' in-situ installation according to their needs, such as Microwave motion sensor and emergency kit. This not only enhances the flexibility; but also creates the ease of stock management. MEGAMAN® RENZO offers Switching CCT options (3000K/4000K) apart from the standard 4000K CCT version. Just by a simple flip in the MEGAMAN® RENZO integral built-in switch, user can change the colour temperature, in order to create a different lighting atmosphere. Selectable lumen output (1000/1400/2000lm) for MEGAMAN® RENZO L size in the same embedded switch, to ensure MEGAMAN® RENZO always provide maximum visual comfort, even with the natural light source.

This collection is also tailored to meet market's requirements in aestheticity with its unobtrusive, simple yet elegant design, and fulfill requirement of durability with Polymethyl Methacrylate (PMMA) cover and IP44 waterproof protective construction material.

Plug-and-Play Modular Design



Emergency Pack Module (optional)

Tri-lumen Output (optional)

Microwave Motion Sensor (optional)

Switching CCT | Selectable Lumen Output | Flicker Free | IP44 | IK03 | 3h | Microwave Motion Sensor | Up to 91 lm/W | 50000 hrs

Applications

- Hotels
- Bathrooms
- Kitchens
- Corridors
- Residential applications

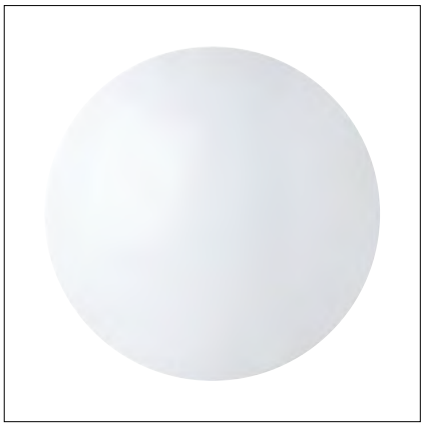
Installation video

Integrated LED luminaire

MEGAMAN® RENZO

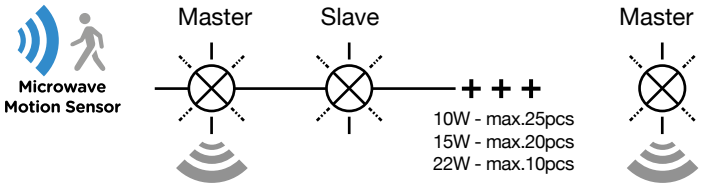
MEGAMAN® RENZO

Modular LED Bulkhead



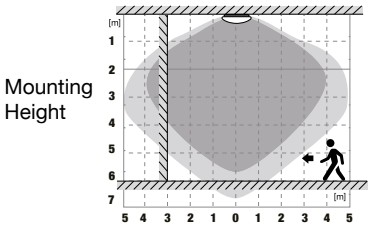
Features

- Plug-and-play modular design enhances the installation flexibility
- Compatible to microwave motion sensor and emergency modules in MEGAMAN® RENZO S, M & L sizes
- Dual-CCT (3000K/4000K) by integral built-in switch apart from 4000K standard version
- Dual-lumen (1000/1400lm) and Tri-lumen (1000/1400/2000lm). Output selection for MEGAMAN® RENZO M and L size respectively.
- All above features offer full aspect of flexibility of stock management
- Homogeneous light output with durable PMMA cover avoiding yellowish deterioration
- IP44 & IK03 rated
- High Power factor >0.9
- Emergency kit with 300lm output energy backup lasting for 3 hours
- MEGAMAN® RENZO with microwave motion sensor can serve as a master device to control other without sensor device as slaves in a group with loop through wiring connection
- Flicker free
- Extra long lifetime up to 50,000 hours L80 B10 at Ta25°C



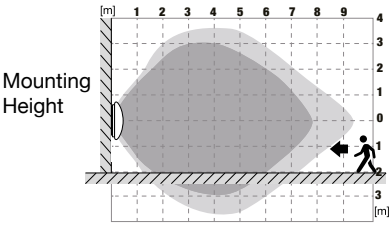
- Maximum Connection for microwave motion sensor master-slave looping for 10W is 25pcs; for 15W is 20pcs; for 22W is 10pcs

Ceiling Mounted



For ceiling mounted **RENZO**, microwave sensor can sense movement within around 5m radius horizontally, or 6-7m vertically beneath **RENZO**, and only lights up when movement sensed for energy saving.

Wall Mounted

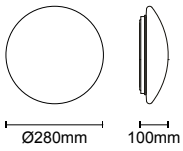


For wall mounted **RENZO**, microwave sensor can sense movement within around 3-4m radius vertically, or 9m front-facing horizontally, and only lights up when movement sensed for energy saving.

MEGAMAN® RENZO

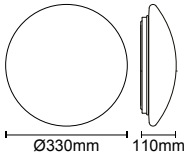
FCL71600v0-sc
FCL71600v0-sc+LA11149
FCL71600v0-sc+LA10175

IP44 | Class I | Flicker Free



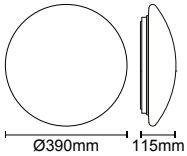
FCL71700v0-ds/sc
FCL71700v0-ds/sc+LA10175
FCL71700v0-ds/sc+LA11149
FCL71700v0-ds/sc+LA10175+LA11149

IP44 | Class I | Flicker Free



FCL71800v0-ds-sc
FCL71800v0-ds-sc+LA11149
FCL71800v0-ds-sc+LA10175
FCL71800v0-ds-sc+LA10175+LA11149

IP44 | Class I | Flicker Free



220-240V | Rated Life 50,000 hrs L80 B10 @ Ta25°C

White (WH26)

DUAL CCT

Model No.	Features	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Power Factor (λ)	Dimension (mm)	Remarks
FCL71600v0-sc	1, 5	10	930 [3000K] 1000 [4000K]	93 [3000K] 100 [4000K]	120	>0.9	Ø280 x H100	10
FCL71600v0-sc+LA10175	3, 6	11	930 [3000K] 1000 [4000K]	85 [3000K] 91 [4000K]	120	>0.7	Ø280 x H100	10
FCL71600v0-sc+LA11149	2, 7	14	930 [3000K] 1000 [4000K]	66 [3000K] 71 [4000K]	120	>0.7	Ø280 x H100	10
FCL71700v0-ds/sc	1, 5, 12	14/10	1300/930 [3000K] 1400/1000 [4000K]	93/93 [3000K] 100/100 [4000K]	120	>0.9	Ø330 x H110	10
FCL71700v0-ds/sc+LA10175	3, 6, 12	15/11	1300/930 [3000K] 1400/1000 [4000K]	87/85 [3000K] 93/91 [4000K	120	>0.7	Ø330 x H110	10
FCL71700v0-ds/sc+LA11149	2, 7, 12	18/14	1300/930 [3000K] 1400/1000 [4000K]	72/66 [3000K] 78/71 [4000K]	120	>0.7	Ø330 x H110	10
FCL71700v0-ds/sc+LA10175+LA11149	4, 8, 12	19/15	1300/930 [3000K] 1400/1000 [4000K]	68/62 [3000K] 74/67 [4000K]	120	>0.7	Ø330 x H110	11
FCL71800v0-ds/sc	1, 5, 9	20/15/10	1850/1300/930 [3000K] 2000/1400/1000 [4000K]	93/87/93 [3000K] 100/93/100 [4000K]	120	>0.9	Ø390 x H115	11
FCL71800v0-ds/sc+LA10175	3, 6, 9	21/16/11	1850/1300/930 [3000K] 2000/1400/1000 [4000K]	88/81/85 [3000K] 95/88/91 [4000K]	120	>0.7	Ø390 x H115	11
FCL71800v0-ds/sc+LA11149	2, 7, 9	24/19/14	1850/1300/930 [3000K] 2000/1400/1000 [4000K]	77/68/66 [3000K] 83/74/71 [4000K]	120	>0.7	Ø390 x H115	11
FCL71800v0-ds/sc+LA10175+LA11149	4, 8, 9	25/20/15	1850/1300/930 [3000K] 2000/1400/1000 [4000K]	74/65/62 [3000K] 80/70/67 [4000K]	120	>0.7	Ø390 x H115	11

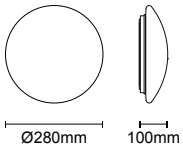
1 Standard (DUAL CCT)
2 Standard (DUAL CCT) + Emergency Kit Module
3 Standard (DUAL CCT) + Microwave Motion Sensor
4 Standard (DUAL CCT) + Emergency Kit Module + Microwave Motion Sensor
5 Working temperature of basic RENZO module: -30°C to +40°C
6 Working temperature of microwave motion sensor at -20°C to +40°C
7 Working temperature of emergency kit module at 0°C to +45°C
8 Working temperature of models with emergency kit module + microwave motion sensor at 0°C to +40°C
9 Tri-lumen output
10 Due to limited space, only compatible to either microwave motion sensor OR emergency kit module at a time
11 Compatible to microwave motion sensor AND emergency kit module at the same time
12 DUAL-lumen output

Integrated LED luminaire

MEGAMAN® RENZO

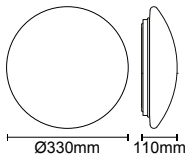
FCL71600v0
FCL71600v0+LA10175
FCL71600v0+LA11149

IP44 | Class I | Flicker Free



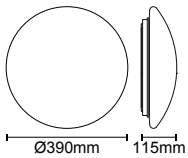
FCL71700v0-ds
FCL71700v0-ds+LA10175
FCL71700v0-ds+LA11149
FCL71700v0-ds+LA10175+LA11149

IP44 | Class I | Flicker Free



FCL71800v0-ds
FCL71800v0-ds+LA10175
FCL71800v0-ds+LA11149
FCL71800v0-ds+LA10175+LA11149

IP44 | Class I | Flicker Free



220-240V | Rated Life 50,000 hrs L80 B10 @ Ta25°C

White (WH26)

4000K only

Model No.	Features	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Power Factor (λ)	Dimension (mm)	Remarks
FCL71600v0	1, 5	10	1000	100	120	>0.9	Ø280 x H100	10
FCL71600v0+LA10175	3, 6	11	1000	91	120	>0.7	Ø280 x H100	10
FCL71600v0+LA11149	2, 7	14	1000	71	120	>0.7	Ø280 x H100	10
FCL71700v0-ds	1, 5, 12	14/10	1400/1000	100/100	120	>0.9	Ø330 x H110	11
FCL71700v0-ds+LA10175	3, 6, 12	15/11	1400/1000	93/91	120	>0.7	Ø330 x H110	11
FCL71700v0-ds+LA11149	2, 7, 12	18/14	1400/1000	78/71	120	>0.7	Ø330 x H110	11
FCL71700v0-ds+LA10175+LA11149	4, 8, 12	19/15	1400/1000	74/67	120	>0.7	Ø330 x H110	11
FCL71800v0-ds	1, 5, 9	20/15/10	2000/1400/1000	100/93/100	120	>0.9	Ø390 x H115	11
FCL71800v0-ds+LA10175	3, 6, 9	21/16/11	2000/1400/1000	95/88/91	120	>0.7	Ø390 x H115	11
FCL71800v0-ds+LA11149	2, 7, 9	24/19/14	2000/1400/1000	83/74/71	120	>0.7	Ø390 x H115	11
FCL71800v0-ds+LA10175+LA11149	4, 8, 9	25/20/15	2000/1400/1000	80/70/67	120	>0.7	Ø390 x H115	11

LA10175
Microwave Motion Sensor

LA11149
Emergency Kit Module

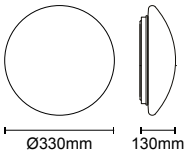
1 Standard (SINGLE CCT)
2 Standard (SINGLE CCT) + Emergency Kit Module
3 Standard (SINGLE CCT) + Microwave Motion Sensor
4 Standard (SINGLE CCT) + Emergency Kit Module + Microwave Motion Sensor
5 Working temperature of basic RENZO module: -30°C to +40°C
6 Working temperature of microwave motion sensor at -20°C to +40°C
7 Working temperature of emergency kit module at 0°C to +45°C
8 Working temperature of models with emergency kit module + microwave motion sensor at 0°C to +40°C
9 Tri-lumen output
10 Due to limited space, only compatible to either microwave motion sensor OR emergency kit module at a time
11 Compatible to microwave motion sensor and emergency kit module at the same time
12 DUAL-lumen output

Integrated LED luminaire

MEGAMAN® RENZO

FCL72600v0-ds/sc
FCL72600v0-ds/sc+LA10175
FCL72600v0-ds/sc+LA11149
FCL72600v0-ds/sc+LA10175+LA11149

IP44 | Class I | Flicker Free



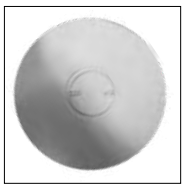
220-240V | Rated Life 50,000 hrs L80 B10 @ Ta25°C

White (WH26)

Nordic Version | DUAL CCT

Model No.	Features	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Power Factor (λ)	Dimension (mm)	Remarks
FCL72600v0-ds/sc	1, 5,12	14/10	1300/930 [3000K] 1400/1000 [4000K]	93/93 [3000K] 100/100 [4000K]	120	>0.9	Ø330 x H130	11
FCL72600v0-ds/sc+LA10175	3, 6,12	15/11	1300/930 [3000K] 1400/1000 [4000K]	87/85 [3000K] 93/91 [4000K]	120	>0.7	Ø330 x H130	11
FCL72600v0-ds/sc+LA11149	2, 7,12	18/14	1300/930 [3000K] 1400/1000 [4000K]	72/66 [3000K] 78/71 [4000K]	120	>0.7	Ø330 x H130	11
FCL72600v0-ds/sc+LA10175+LA11149	4, 8,12	19/15	1300/930 [3000K] 1400/1000 [4000K]	68/62 [3000K] 74/67 [4000K]	120	>0.7	Ø330 x H130	11

Nordic Version



The diameter fits the diagonal of junction box

Knockout for conduit connection

LA10175
Microwave Motion Sensor

LA11149
Emergency Kit Module

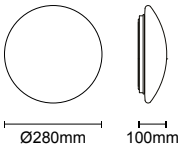
1 Standard (DUAL CCT)
2 Standard (DUAL CCT) + Emergency Kit Module
3 Standard (DUAL CCT) + Microwave Motion Sensor
4 Standard (DUAL CCT) + Emergency Kit Module + Microwave Motion Sensor
5 Working temperature of basic RENZO module: -30°C to +40°C
6 Working temperature of microwave motion sensor at -20°C to +40°C
7 Working temperature of emergency kit module at 0°C to +45°C
8 Working temperature of models with emergency kit module + microwave motion sensor at 0°C to +40°C
9 Tri-lumen output
10 Due to limited space, only compatible to either microwave motion sensor OR emergency kit module at a time
11 Compatible to microwave motion sensor and emergency kit module at the same time
12 DUAL-lumen output

Integrated LED luminaire

MEGAMAN® RENZO

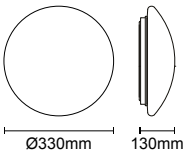
FCL73500v0-sc

IP44 | Class I | Flicker Free



FCL73600v0-ds/sc
FCL73600v0-ds/sc+LA10175

IP44 | Class I | Flicker Free



220-240V | Rated Life 50,000 hrs L80 B10 @ Ta25°C

DUAL CCT

Model No.	Features	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Power Factor (λ)	Dimension (mm)	Remarks
FCL73500v0-sc	1, 5	10	930 [3000K] 1000 [4000K]	93 [3000K] 100 [4000K]	120	>0.9	Ø280 x H110	10
FCL73600v0-ds/sc	1, 5,12	14/10	1300/930 [3000K] 1400/1100 [4000K]	93/93 [3000K] 100/100 [4000K]	120	>0.7	Ø330 x H110	10
FCL73600v0-ds/sc+LA10175	3, 6,12	15/11	1300/930 [3000K] 1400/1100 [4000K]	87/85 [3000K] 93/91 [4000K]	120	>0.7	Ø330 x H110	10

LA10175
Microwave Motion Sensor

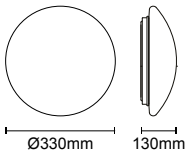
1 Standard (DUAL CCT)
2 Standard (DUAL CCT) + Emergency Kit Module
3 Standard (DUAL CCT) + Microwave Motion Sensor
4 Standard (DUAL CCT) + Emergency Kit Module + Microwave Motion Sensor
5 Working temperature of basic RENZO module: -30°C to +40°C
6 Working temperature of microwave motion sensor at -20°C to +40°C
7 Working temperature of emergency kit module at 0°C to +45°C
8 Working temperature of models with emergency kit module + microwave motion sensor at 0°C to +40°C
9 Tri-lumen output
10 Due to limited space, only compatible to either microwave motion sensor OR emergency kit module at a time
11 Compatible to microwave motion sensor and emergency kit module at the same time
12 DUAL-lumen output

i Integrated LED luminaire

MEGAMAN® RENZO

FCL72600v0-ds
FCL72600v0-ds+LA10175
FCL72600v0-ds+LA11149
FCL72600v0-ds+LA10175+LA11149

IP44 | Class I | Flicker Free



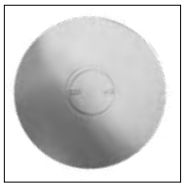
220-240V | Rated Life 50,000 hrs L80 B10 @ Ta25°C

White (WH26)

Nordic Version | 4000K only

Model No.	Features	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Power Factor (λ)	Dimension (mm)	Remarks
FCL72600v0-ds	1, 5,12	14/10	1400/1000	100/100	120	>0.9	Ø330 x H130	10
FCL72600v0-ds+LA10175	3, 6,12	15/11	1400/1000	93/91	120	>0.7	Ø330 x H130	10
FCL72600v0-ds+LA11149	2, 7,12	18/14	1400/1000	78/71	120	>0.7	Ø330 x H130	10
FCL72600v0-ds+LA10175+LA11149	4, 8,12	19/15	1400/1000	74/67	120	>0.7	Ø330 x H130	10

Nordic Version



The diameter fits the diagonal of junction box

Knockout for conduit connection

LA10175
Microwave Motion Sensor

LA11149
Emergency Kit Module

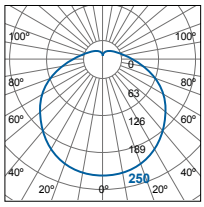
1 Standard (DUAL CCT)
2 Standard (DUAL CCT) + Emergency Kit Module
3 Standard (DUAL CCT) + Microwave Motion Sensor
4 Standard (DUAL CCT) + Emergency Kit Module + Microwave Motion Sensor
5 Working temperature of basic RENZO module: -30°C to +40°C
6 Working temperature of microwave motion sensor at -20°C to +40°C
7 Working temperature of emergency kit module at 0°C to +45°C
8 Working temperature of models with emergency kit module + microwave motion sensor at 0°C to +40°C
9 Tri-lumen output
10 Due to limited space, only compatible to either microwave motion sensor OR emergency kit module at a time
11 Compatible to microwave motion sensor and emergency kit module at the same time
12 DUAL-lumen output

Integrated LED luminaire

MEGAMAN® RENZO

RENZO Photometric Data

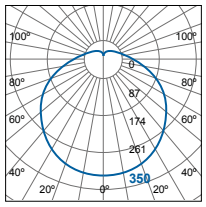
FCL71600v0-sc
FCL71600v0-sc+LA10175
FCL71600v0-sc+LA11149



m	Lux	Ø cm
0.5	1000	173
1	250	346
1.5	111	520
2	63	693

Beam angle = 120°

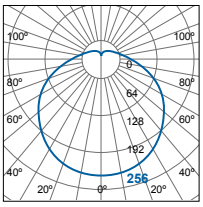
FCL71700v0-ds/sc
FCL71700v0-ds/sc+LA10175
FCL71700v0-ds/sc+LA11149
FCL71700v0-ds/sc+LA10175+LA11149



m	Lux	Ø cm
0.5	1400	173
1	350	346
1.5	156	520
2	88	693

Beam angle = 120°

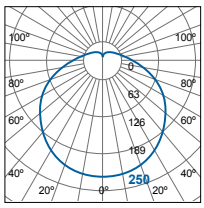
FCL71800v0-ds/sc
FCL71800v0-ds/sc+LA10175
FCL71800v0-ds/sc+LA11149
FCL71800v0-ds/sc+LA10175+LA11149



m	Lux	Ø cm
0.5	1024	173
1	256	346
1.5	114	520
2	64	693

Beam angle = 120°

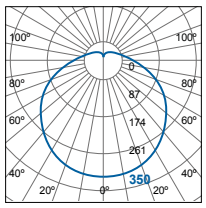
FCL71600v0
FCL71600v0+LA10175
FCL71600v0+LA11149



m	Lux	Ø cm
0.5	1000	173
1	250	346
1.5	111	520
2	63	693

Beam angle = 120°

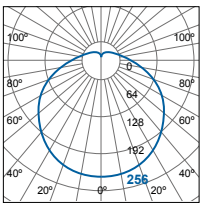
FCL71700v0-ds
FCL71700v0-ds+LA10175
FCL71700v0-ds+LA11149
FCL71700v0-ds+LA10175+LA11149



m	Lux	Ø cm
0.5	1400	173
1	350	346
1.5	156	520
2	88	693

Beam angle = 120°

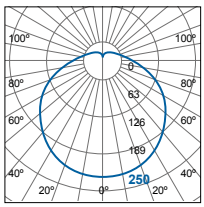
FCL71800v0-ds
FCL71800v0-ds+LA10175
FCL71800v0-ds+LA11149
FCL71800v0-ds+LA10175+LA11149



m	Lux	Ø cm
0.5	1024	173
1	256	346
1.5	114	520
2	64	693

Beam angle = 120°

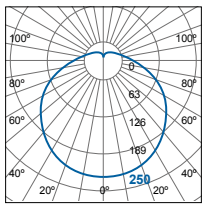
FCL72600v0-ds/sc
FCL72600v0-ds/sc+LA10175
FCL72600v0-ds/sc+LA11149
FCL72600v0-ds/sc+LA10175+LA11149



m	Lux	Ø cm
0.5	1000	173
1	250	346
1.5	111	520
2	63	693

Beam angle = 120°

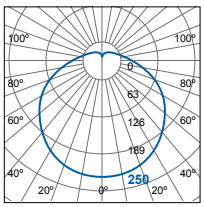
FCL72600v0-ds
FCL72600v0-ds+LA10175
FCL72600v0-ds+LA11149
FCL72600v0-ds+LA10175+LA11149



m	Lux	Ø cm
0.5	1000	173
1	250	346
1.5	111	520
2	63	693

Beam angle = 120°

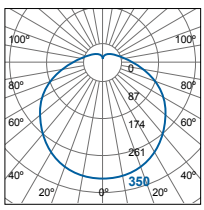
FCL73500v0-sc



m	Lux	Ø cm
0.5	1000	173
1	250	346
1.5	111	520
2	63	693

Beam angle = 120°

FCL73600v0-ds/sc
FCL73600v0-ds/sc+LA10175



m	Lux	Ø cm
0.5	1400	173
1	350	346
1.5	156	520
2	88	693

Beam angle = 120°

Integrated LED luminaire

KINFOLK
VERMEER
Miami

MEGAMAN® JOSIE

Integrated LED luminaire

MEGAMAN® JOSIE

MEGAMAN® JOSIE
Integrated LED Bulkhead

MEGAMAN® JOSIE is an integrated LED bulkhead with Ultra Slim design which offers uniform light distribution and decorative backlight. MEGAMAN® JOSIE with switch dimming function allows 3 steps dimming with memory function provides flexibility of end users. It is perfect for everyday lighting.

Features
- Step-dimming 100% 50% 20% control over ON/OFF switch with memory function
- Ultra Slim design, profile less than 23mm
- Excellent and uniform lighting performance thanks to side-lit light guide technology
- Easy installation featured with twist-and-lock
- Tool-less wiring connection design
- IP54 version available for moisture application

Step Dimming | 25000 hrs | Low Flicker

Applications
- Hotels
- Kitchens
- Corridors
- Residential

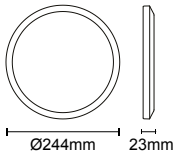
Accessories

Integrated LED luminaire

MEGAMAN® JOSIE

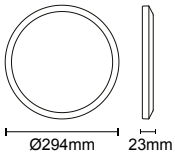
FCL72900v0-ds

IP20 | Class II | 120° | Low Flicker



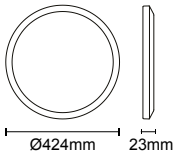
FCL73000v0-ds

IP20 | Class II | 120° | Low Flicker



FCL73100v0-ds

IP20 | Class II | 120° | Low Flicker

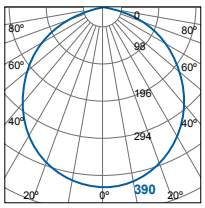


220-240V

White (WH12)

Model No.	Wattage (W)	Luminous Flux (lm)	Beam Angle (°)	Dimension (mm)	Dimming	Colour Temp. [CRI]	Rated Life at L70B50 at Ta25°C (hrs)	Materials
FCL72900v0-ds	11	1250	120	Ø244 x 23	3-step dimming 100%-50%-20%	2700K / 6500K	25000	Plastic housing + PS diffuser
FCL73000v0-ds	14.5	1600	120	Ø294 x 23	3-step dimming 100%-50%-20%	2700K / 6500K	25000	Plastic housing + PS diffuser
FCL73100v0-ds	19	2100	120	Ø424 x 23	3-step dimming 100%-50%-20%	2700K / 6500K	25000	Plastic housing + PS diffuser

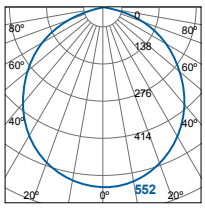
FCL72900v0-ds (2700K)



m	Lux	Ø cm
0.5	1560	173
1	390	346
1.5	173	520
2	98	693

Beam angle = 120°

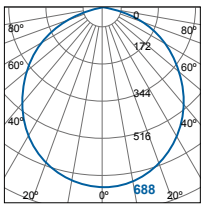
FCL73000v0-ds (2700K)



m	Lux	Ø cm
0.5	2208	173
1	552	346
1.5	245	520
2	138	693

Beam angle = 120°

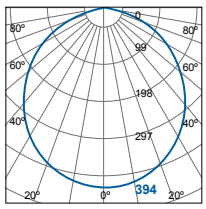
FCL73100v0-ds (2700K)



m	Lux	Ø cm
0.5	2752	173
1	688	346
1.5	306	520
2	172	693

Beam angle = 120°

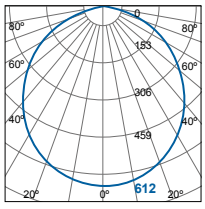
FCL72900v0-ds (6500K)



m	Lux	Ø cm
0.5	1576	173
1	394	346
1.5	175	520
2	99	693

Beam angle = 120°

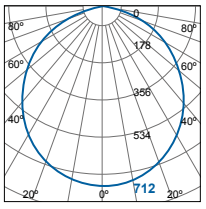
FCL73000v0-ds (6500K)



m	Lux	Ø cm
0.5	2448	173
1	612	346
1.5	272	520
2	153	693

Beam angle = 120°

FCL73100v0-ds (6500K)



m	Lux	Ø cm
0.5	2848	173
1	712	346
1.5	316	520
2	178	693

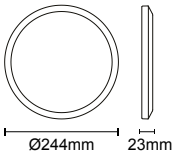
Beam angle = 120°

Integrated LED luminaire

MEGAMAN® JOSIE

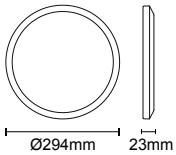
FCL73200v0-ds

IP54 | Class II | 120° | Low Flicker



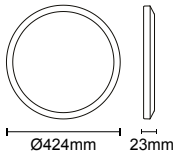
FCL73300v0-ds

IP54 | Class II | 120° | Low Flicker



FCL73400v0-ds

IP54 | Class II | 120° | Low Flicker

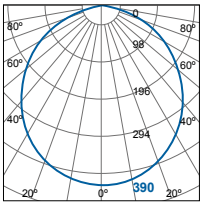


220-240V

White (WH12)

Model No.	Wattage (W)	Luminous Flux (lm)	Beam Angle (°)	Dimension (mm)	Dimming	Colour Temp. [CRI]	Rated Life at L70B50 at Ta25°C (hrs)	Materials
FCL73200v0-ds	15	1250	120	Ø244 x 23	3-step dimming 100%-50%-20%	2700K / 6500K	25000	Plastic housing + PS diffuser
FCL73300v0-ds	18	1600	120	Ø294 x 23	3-step dimming 100%-50%-20%	2700K / 6500K	25000	Plastic housing + PS diffuser
FCL73400v0-ds	22	2100	120	Ø424 x 23	3-step dimming 100%-50%-20%	2700K / 6500K	25000	Plastic housing + PS diffuser

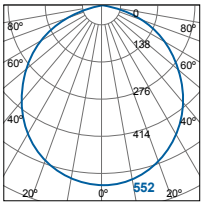
FCL73200v0-ds (2700K)



m	Lux	Ø cm
0.5	1560	173
1	390	346
1.5	173	520
2	98	693

Beam angle = 120°

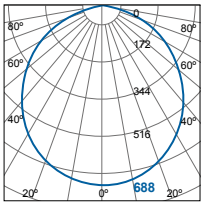
FCL73300v0-ds (2700K)



m	Lux	Ø cm
0.5	2208	173
1	552	346
1.5	245	520
2	138	693

Beam angle = 120°

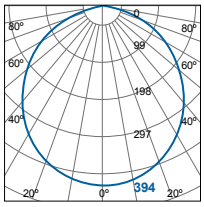
FCL73400v0-ds (2700K)



m	Lux	Ø cm
0.5	2752	173
1	688	346
1.5	306	520
2	172	693

Beam angle = 120°

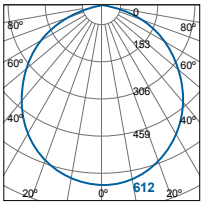
FCL73200v0-ds (6500K)



m	Lux	Ø cm
0.5	1576	173
1	394	346
1.5	175	520
2	99	693

Beam angle = 120°

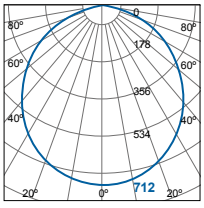
FCL73300v0-ds (6500K)



m	Lux	Ø cm
0.5	2448	173
1	612	346
1.5	272	520
2	153	693

Beam angle = 120°

FCL73400v0-ds (6500K)



m	Lux	Ø cm
0.5	2848	173
1	712	346
1.5	316	520
2	178	693

Beam angle = 120°

MEGAMAN® AATOS

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Integrated LED luminaire

MEGAMAN® AATOS

MEGAMAN® AATOS

Integrated LED Bulkhead

MEGAMAN® AATOS is an integrated ceiling mounted LED luminaire with tunable white and dimmable features. It comes with a polychromatic shade that delivers flexibility for lighting design. MEGAMAN® AATOS offers a comprehensive choices of version including two sizes that can be utilized in versatile application including living room, bedroom and rest areas which could be easily operated by a remote controller.

Features

- Tunable white colour changing from 3000K to 6500K and dimmable functions offer flexibility of lighting design
- Easy operation via a remote controller
- Up to 80% energy saving compared to standard incandescent light sources
- Seamless dimming from 100% to 5%
- 2 different finishings (white & chrome)
- With memory function

Tunable White | Dimmable | Low Flicker | 25000 hrs

Applications

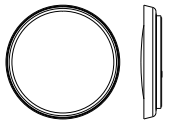
- Living room
- Bedroom
- Restaurants
- Hotels
- Lobby

Integrated LED luminaire

MEGAMAN® AATOS

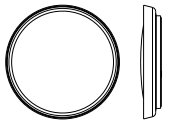
FCL73900v0-tw

IP20 | Class II | 120° | Low Flicker



FCL74000v0-tw

IP20 | Class II | 120° | Low Flicker



220-240V

White (WH12) | Gold (GD21) | Pink (PK21) | Blue (BL21) | Grey (SV24) | Wooden (WD31)

Model No.	Wattage (W)	Luminous Flux (lm)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70B50 at Ta25°C (hrs)	Materials
FCL73900v0-tw	30	2100	120	Ø430 x H80	3000K to 6500K Dimmable	25000	PMMA Diffuser + Metal Housing
FCL74000v0-tw	60	4300	120	Ø530 x H81	3000K to 6500K Dimmable	25000	PMMA Diffuser + Metal Housing

Accessories

Remote included

* 2x1.5VDC AAA battery not included

Integrated LED luminaire

MEGAMAN® AATOS STARRY

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Integrated LED luminaire

MEGAMAN® AATOS STARRY

MEGAMAN® AATOS STARRY

Integrated LED Bulkhead

MEGAMAN® AATOS STARRY is an integrated ceiling mounted LED luminaire with tunable white and colour changing features. It impresses with its fascinating starry-sky look as small stars sparkle. MEGAMAN® AATOS STARRY offers various light effect that can be utilized in versatile application including living room, lobby and rest areas which could be easily operated by a remote controller or app via mobile phone.

Features

- Tunable white and colour changing functions offer flexibility of lighting design
- Easy operation via a remote controller or app via mobile phone
- Up to 80% energy saving compared to standard incandescent light sources
- Smooth dimming from 100% to 10%
- Uniform light distribution
- Smooth surface for easy cleaning
- Night mode available
- With memory function

Tunable White | RGBW | Dimmable | Low Flicker | 25000 hrs

Applications

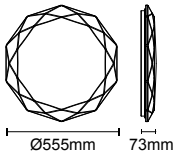
- Living room
- Lobby
- Restaurants
- Hotels

Integrated LED luminaire

MEGAMAN® AATOS STARRY

FCL74100v0-wf/ec/tw

IP20 | Class II | 120° | Low Flicker



220-240V

White (WH26)

Model No.	Wattage (W)	Luminous Flux (lm)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70B50 at Ta25°C (hrs)	Materials
FCL74100v0-wf/ec/tw	60	4200	120	Ø555 x H73	3000K to 6500K Dimmable RGB Colour Changing	25000	PMMA Diffuser + Metal Housing

Accessories

Remote included

* 2x1.5VDC AAA battery not included

Integrated LED luminaire

MEGAMAN® KATIA

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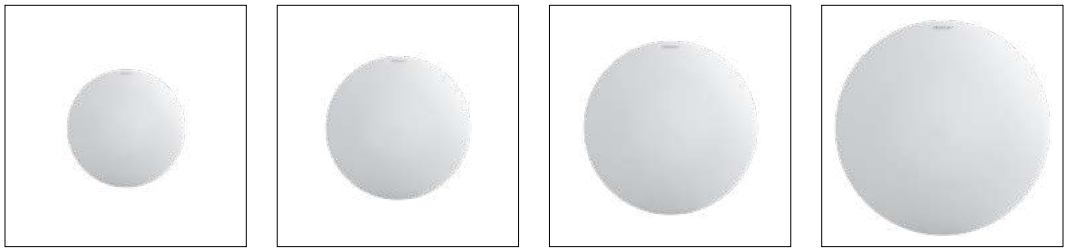
+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +



Integrated LED luminaire

MEGAMAN® KATIA

MEGAMAN® KATIA
Integrated LED Bulkhead

MEGAMAN® KATIA is a brilliant and timeless design with ultra slim housing, this stylish ceiling lamp spreads an even light that illuminates the whole room with comfort.

Features
- Round and slim profile
- Delivers wide range of lumen package for direct alternatives to traditional wall and ceiling lamp
- Easy installation and tool-less wiring
- IP40 protection
- Operation temperature -20ºC to 40ºC
- Mounting kit for junction box available

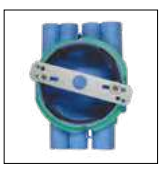
IP40 | λ >0.9 | 120º | 25000 hrs | 100lm/W

Applications
- Kitchens
- Corridors
- Residential
- Hotels

Easy Installation

Accessories

LA10209
Mounting kit for junction box



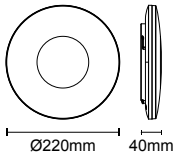
Junction box is NOT included

Integrated LED luminaire

MEGAMAN® KATIA

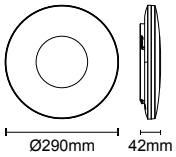
FCL74200v0

IP40 | Class II | 120°



FCL74300v0

IP40 | Class II | 120°

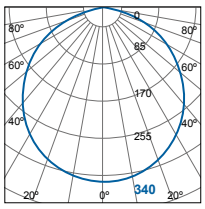


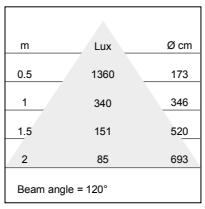
220-240V

White (WH12)

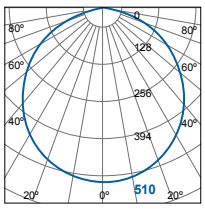
Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Colour Temp. [CRI]	Beam Angle (°)	Dimension (mm)	Rated Life at L70B50 at Ta25°C (hrs)	Materials
FCL74200v0	12	1080 [3000K] 1200 [4000K, 6500K]	90 [3000K] 100 [4000K, 6500K]	3000K / 4000K / 6500K [≥80]	120	Ø220 x H40	25000	Plastic housing and Plastic diffuser
FCL74300v0	18	1620 [3000K] 1800 [4000K, 6500K]	90 [3000K] 100 [4000K, 6500K]	3000K / 4000K / 6500K [≥80]	120	Ø290 x H42	25000	Plastic housing and Plastic diffuser

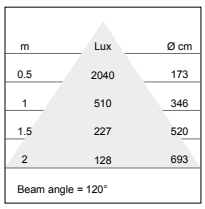
FCL74200v0





FCL74300v0



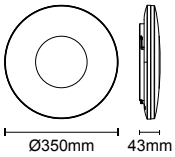


Integrated LED luminaire

MEGAMAN® KATIA

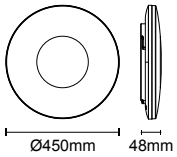
FCL74400v0

IP40 | Class II | 120°



FCL74500v0

IP40 | Class II | 120°

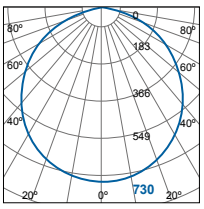


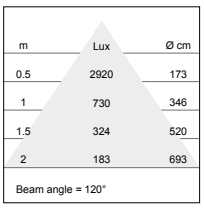
220-240V

White (WH12)

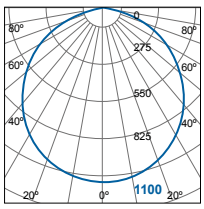
Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Colour Temp. [CRI]	Beam Angle (°)	Dimension (mm)	Rated Life at L70B50 at Ta25°C (hrs)	Materials
FCL74400v0	24	2160 [3000K] 2400 [4000K, 6500K]	90 [3000K] 100 [4000K, 6500K]	3000K / 4000K / 6500K [≥80]	120	Ø350 x H43	25000	Plastic housing and Plastic diffuser
FCL74500v0	36	3240 [3000K] 3600 [4000K, 6500K]	90 [3000K] 100 [4000K, 6500K]	3000K / 4000K / 6500K [≥80]	120	Ø450 x H48	25000	Plastic housing and Plastic diffuser

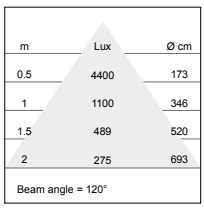
FCL74400v0





FCL74500v0





Integrated LED luminaire

MEGAMAN® RENZOLITE

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MEGAMAN® RENZOLITE

Integrated LED bulkhead

MEGAMAN® RENZOLITE is a cost-effective sustainable bulkhead designed to replace traditional CFL ceiling lamp.

Features

- Delivers wide range of lumen packages for direct alternatives to traditional wall and ceiling
- Unobtrusive and understated design for all situations
- An evenly distributed light and visual comfort
- Durable PMMA cover avoid yellowish

IP20 | IP44 | Class I | 25000 hrs

Applications

- Kitchens
- Corridors
- Residential

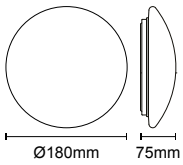
* IP44 For FCL72300v0

Integrated LED luminaire

MEGAMAN® RENZOLITE

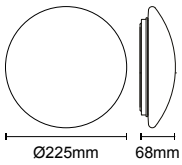
FCL72300v0

IP44 | Class I | 120°



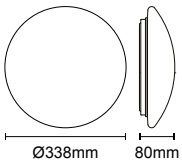
F50500SMv2

IP44 | Class I | 120°



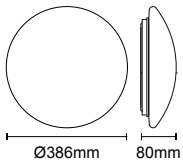
F50600SMv2

IP44 | Class I | 120°



F50700SMv2

IP44 | Class I | 120°

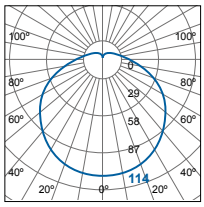


220-240V

White (WH26)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Materials
FCL72300v0	6	420	70	Ø180 x H75	3000K / 4000K / 6500K	25000	Metal Housing with PMMA cover
F50500SMv2	12	900	75	Ø225 x H68	3000K / 4000K / 6500K	25000	Metal Housing with PMMA cover
F50600SMv2	18	1350	75	Ø338 x H80	3000K / 4000K / 6500K	25000	Metal Housing with PMMA cover
F50700SMv2	24	1800	75	Ø386 x H80	3000K / 4000K / 6500K	25000	Metal Housing with PMMA cover

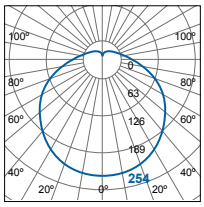
FCL72300v0



m	Lux	Ø cm
0.5	456	173
1	114	346
1.5	51	520
2	29	693

Beam angle = 120°

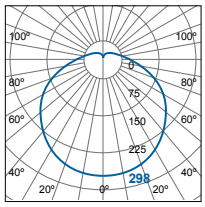
F50500SMv2



m	Lux	Ø cm
0.5	1016	173
1	254	346
1.5	113	520
2	64	693

Beam angle = 120°

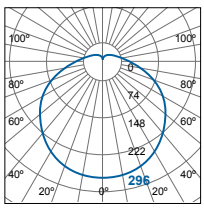
F50600SMv2



m	Lux	Ø cm
0.5	1192	173
1	298	346
1.5	132	520
2	75	693

Beam angle = 120°

F50700SMv2



m	Lux	Ø cm
0.5	1184	173
1	296	346
1.5	132	520
2	74	693

Beam angle = 120°

MEGAMAN® MILENA

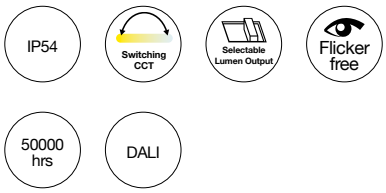
Integrated LED luminaire

MEGAMAN® MILENA

MEGAMAN® MILENA
Modular LED Downlight

MEGAMAN® MILENA is a modular downlight unit consisting of dual-lumen output & dual-CCT LED light engine, various metal housing and reflector or diffuser options, allowing tool-less assembly in-situ. The luminaire offers maximum visual comfort by high cut-off angle for better glare control and low flicker to avoid eye fatigue.

Features
- Modular downlight unit consist of dual-lumen output & dual-CCT LED light engine, reflector or diffuser module
- The modular components design allow the assembly in-situ without any tool
- Inter-changeable light engine between 6" and 8" luminaire
- The flexibility modular design enables a faster delivery period for customized requirements, which is an ideal solution for short lead time projects
- Offer high cut-off angle for better glare control
- Tool-less terminal block up to 3 x 2.5mm^2 facilitate easy installation and maintenance, and through wiring possible
- Wide range of sizes allow retrofit for many conventional downlights in existing ceiling cut-outs
- Delivery of wide and uniform light distribution
- Flicker free to avoid eye fatigue
- IP54 rated for damp location such as bathroom and kitchen



Applications
- Retails
- Bathrooms
- Hotels
- Kitchens
- Offices
- Restaurants

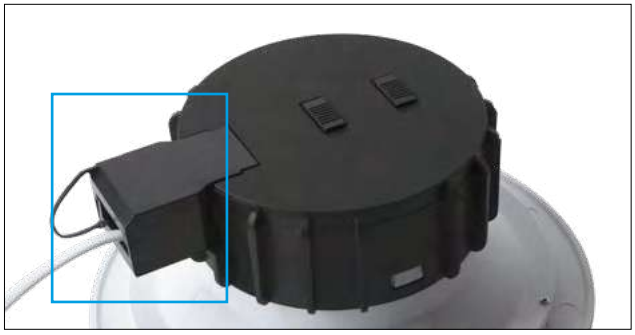
MEGAMAN® MILENA

Low output / High output

Switching CCT (3000K/4000K)

The modular design allows tool-less assembly

3 x 2.5mm² tool-less terminal block



Integrated LED luminaire

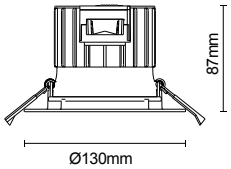
MEGAMAN® MILENA FR

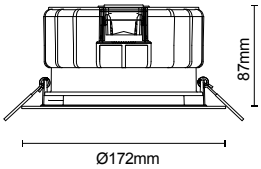
FDM70600v0-ds/sc

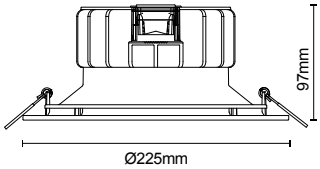
FDL71300v0-ds/sc
FDL71300v1-ds/sc
FDL71300v2-ds/sc

FDL71500v0-ds/sc
FDL71500v1-ds/sc

IP20 / IP54 | Class II | Flicker Free







220-240V

White (WH26)

Reflector | ON/OFF Version

Model No.	Wattage (W)	Luminous Flux (lm)	System Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Cut-Out (mm)	Colour Temp. [CRI]	Rated Life at L80 B10 at Ta25°C (hrs)	Power Factor (λ)	Materials
ON/OFF Version										
FDM70600v0-ds/sc	6.5/9	600/830 [3000K] 650/900 [4000K]	92/92 [3000K] 100/100 [4000K]	90	Ø130 x H87	Ø100	3000K/4000K Switchable	50000	>0.9	Aluminum & PC
FDL71300v0-ds/sc	10/16	930/1450 [3000K] 1000/1600 [4000K]	93/91 [3000K] 100/100 [4000K]	90	Ø172 x H87	Ø150	3000K/4000K Switchable	50000	>0.9	Aluminum & PC
FDL71300v1-ds/sc	18/23	1670/2230 [3000K] 1800/2400 [4000K]	97/93 [3000K] 104/100 [4000K]	90	Ø172 x H87	Ø150	3000K/4000K Switchable	50000	>0.9	Aluminum & PC
FDL71300v2-ds/sc	19.5/25	1860/2500 [3000K] 2000/2700 [4000K]	100/95 [3000K] 108/103 [4000K]	90	Ø172 x H87	Ø150	3000K/4000K Switchable	50000	>0.9	Aluminum & PC
FDL71500v0-ds/sc	18/23	1670/2230 [3000K] 1800/2400 [4000K]	97/93 [3000K] 104/100 [4000K]	90	Ø225 x H97	Ø200	3000K/4000K Switchable	50000	>0.9	Aluminum & PC
FDL71500v1-ds/sc	19.5/25	1860/2500 [3000K] 2000/2700 [4000K]	100/95 [3000K] 108/103 [4000K]	90	Ø225 x H97	Ø200	3000K/4000K Switchable	50000	>0.9	Aluminum & PC

Light engine module (NON-DIM)

LA3240
4" Light engine module
650/900lm

LA3242
6"/8" Light engine module
1000/1600lm

LA3243
6"/8" Light engine module
1800/2400lm

LA3244
6"/8" Light engine module
2000/2700lm

Bezel

LA3135
4" Facet Reflector Bezel

LA3136
6" Facet Reflector Bezel

LA3137
8" Facet Reflector Bezel

LA3138
4" Diffuser Bezel

LA3139
6" Diffuser Bezel

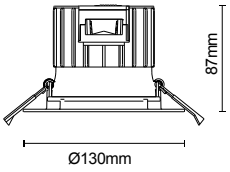
LA3140
8" Diffuser Bezel

Integrated LED luminaire

MEGAMAN® MILENA FR

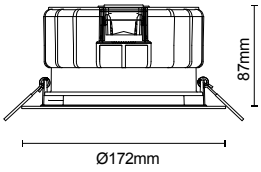
FDM70600v0-ex/sc

IP20 / IP54 | Class II | Flicker Free



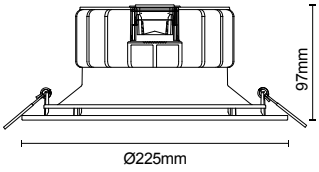
FDL71300v2-ex/sc

IP20 / IP54 | Class II | Flicker Free



FDL71500v1-ex/sc

IP20 / IP54 | Class II | Flicker Free



220-240V

White (WH26)

Reflector | DALI Version

Model No.	Wattage (W)	Luminous Flux (lm)	System Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Cut-Out (mm)	Colour Temp. [CRI]	Rated Life at L80 B10 at Ta25°C (hrs)	Power Factor (λ)	Materials
DALI Version										
FDM70600v0-ex/sc	7.8	830 [3000K] 900 [4000K]	106 [3000K] 115 [4000K]	90	Ø130 x H87	Ø100	3000K/4000K Switchable	50000	>0.9	Aluminum & PC
FDL71300v0-ex/sc	23.2	2500 [3000K] 2700 [4000K]	107 [3000K] 116 [4000K]	90	Ø172 x H87	Ø150	3000K/4000K Switchable	50000	>0.9	Aluminum & PC
FDL71500v0-ex/sc	23.2	2500 [3000K] 2700 [4000K]	107 [3000K] 116 [4000K]	90	Ø225 x H97	Ø200	3000K/4000K Switchable	50000	>0.9	Aluminum & PC

Light engine module (DALI-Dim)

LA3241
4" Light engine module
900lm (DALI)

LA3248
6"/8" Light engine module
2700lm (DALI)

Bezel

LA3135
4" Facet Reflector Bezel

LA3136
6" Facet Reflector Bezel

LA3137
8" Facet Reflector Bezel

LA3138
4" Diffuser Bezel

LA3139
6" Diffuser Bezel

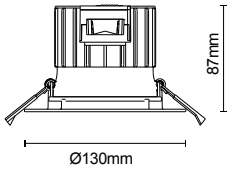
LA3140
8" Diffuser Bezel

Integrated LED luminaire

MEGAMAN® MILENA

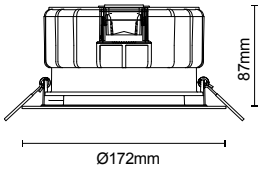
FDM70700v0-ds/sc

IP20/IP54 | Class II | Flicker Free



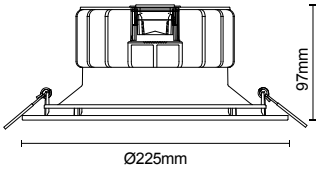
FDL71400v0-ds/sc
FDL71400v1-ds/sc
FDL71400v2-ds/sc

IP20/IP54 | Class II | Flicker Free



FDL71600v0-ds/sc
FDL71600v1-ds/sc

IP20/IP54 | Class II | Flicker Free



220-240V

White (WH26)

Diffuser | ON/OFF Version

Model No.	Wattage (W)	Luminous Flux (lm)	System Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Cut-Out (mm)	Colour Temp. [CRI]	Rated Life at L80 B10 at Ta25°C (hrs)	Power Factor (λ)	Materials
ON/OFF Version										
FDM70700v0-ds/sc	6.5/9	560/770 [3000K] 600/830 [4000K]	86/92 [3000K] 86/92 [4000K]	100	Ø130 x H87	Ø100	3000K/4000K Switchable	50000	>0.9	Aluminum & PC
FDL71400v0-ds/sc	10/16	930/1450 [3000K] 1000/1600 [4000K]	93/91 [3000K] 100/100 [4000K]	100	Ø172 x H87	Ø150	3000K/4000K Switchable	50000	>0.9	Aluminum & PC
FDL71400v1-ds/sc	18/23	1670/2230 [3000K] 1800/2400 [4000K]	93/93 [3000K] 100/100 [4000K]	100	Ø172 x H87	Ø150	3000K/4000K Switchable	50000	>0.9	Aluminum & PC
FDL71400v2-ds/sc	19.5/25	1860/2500 [3000K] 2000/2700 [4000K]	93/93 [3000K] 100/100 [4000K]	100	Ø172 x H87	Ø150	3000K/4000K Switchable	50000	>0.9	Aluminum & PC
FDL71600v0-ds/sc	18/23	1670/2230 [3000K] 1800/2400 [4000K]	93/93 [3000K] 100/100 [4000K]	100	Ø225 x H97	Ø200	3000K/4000K Switchable	50000	>0.9	Aluminum & PC
FDL71600v1-ds/sc	19.5/25	1860/2500 [3000K] 2000/2700 [4000K]	93/93 [3000K] 100/100 [4000K]	100	Ø225 x H97	Ø200	3000K/4000K Switchable	50000	>0.9	Aluminum & PC

Light engine module (NON-DIM)

LA3240
4" Light engine module
650/900lm

LA3242
6"/8" Light engine module
1000/1600lm

LA3243
6"/8" Light engine module
1800/2400lm

LA3244
6"/8" Light engine module
2000/2700lm

Bezel

LA3135
4" Facet Reflector Bezel

LA3136
6" Facet Reflector Bezel

LA3137
8" Facet Reflector Bezel

LA3138
4" Diffuser Bezel

LA3139
6" Diffuser Bezel

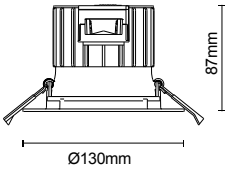
LA3140
8" Diffuser Bezel

Integrated LED luminaire

MEGAMAN® MILENA

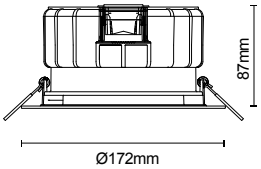
FDM70700v0-ex/sc

IP20/IP54 | Class II | Flicker Free | DALI



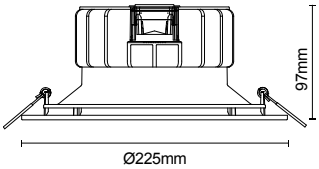
FDL71400v2-ex/sc

IP20/IP54 | Class II | Flicker Free | DALI



FDL71600v1-ex/sc

IP20/IP54 | Class II | Flicker Free | DALI



220-240V

White (WH26)

Diffuser | DALI Version

Model No.	System Wattage (W)	Luminous Flux (lm)	System Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Cut-Out (mm)	Colour Temp. [CRI]	Rated Life at L80 B10 at Ta25°C (hrs)	Power Factor (λ)	Materials
DALI Version										
FDM70700v0-ex/sc	7.8	770 [3000K] 830 [4000K]	99 [3000K] 106 [4000K]	100	Ø130 x H87	Ø100	3000K/4000K Switchable	50000	>0.9	Aluminum & PC
FDL71400v0-ex/sc	23.2	2320 [3000K] 2500 [4000K]	100 [3000K] 107 [4000K]	100	Ø172 x H87	Ø150	3000K/4000K Switchable	50000	>0.9	Aluminum & PC
FDL71600v0-ex/sc	23.2	2320 [3000K] 2500 [4000K]	100 [3000K] 107 [4000K]	100	Ø225 x H97	Ø200	3000K/4000K Switchable	50000	>0.9	Aluminum & PC

Light engine module (DALI-Dim)

LA3241
4" Light engine module
900lm (DALI)

LA3248
6"/8" Light engine module
2700lm (DALI)

Bezel

LA3135
4" Facet Reflector Bezel

LA3136
6" Facet Reflector Bezel

LA3137
8" Facet Reflector Bezel

LA3138
4" Diffuser Bezel

LA3139
6" Diffuser Bezel

LA3140
8" Diffuser Bezel

Integrated LED luminaire

Cashier
3
8

MEGAMAN® RICO HR

Integrated LED luminaire

MEGAMAN® RICO HR

MEGAMAN® RICO HR

Ultra slim LED downlight

In response to the market needs for ultra slim LED downlight, MEGAMAN® RICO HR is the perfect solution for the ceiling recess with limited depth. MEGAMAN® RICO HR is designed for optimal lighting performance, great functionality and consistency in design. The cut-out is 68 mm, as well as the standard 36° beam angle and adjustable 25° tilting angle. The luminaire is suitable for various kinds of applications.

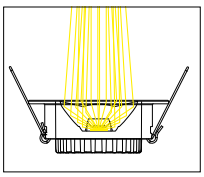
Features:

- Ideal for any ceiling recess with limited path
- Suitable for small cabinets and furniture lighting where space is restricted
- Uses an external driver with industry standard constant current levels
- Compatible with a wide range of drivers available on the market
- Allows use with standard dimming drivers such as DALI, DSL or 1-10V for linear dimming
- IP44 protection enables the use in humid and damp areas such as bathrooms or kitchens
- Minimizes storage and transportation costs

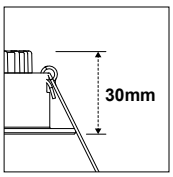
IP44 | Ultra RichColour | RichColour | Dim to WARM

Applications

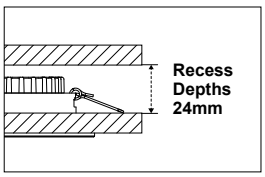
- Shops
- Offices
- Hotels
- Corridors
- Shopping malls
- Workstations
- Study rooms
- Display shelves
- Kitchen cabinets and counters
- Bathrooms
- Wardrobes



The latest MEGAMAN® Hybrid Reflector technology delivers excellent optical efficacy, better beam control and less spill light



Designed with a height of only 30mm, making it ideal for limited recess depths



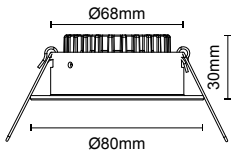
Ultra-Low Profile version together with extra small drivers are now available, perfect for limited recess depths with only 24mm, such as furniture and cabinet lightings

Integrated LED luminaire

MEGAMAN® RICO HR

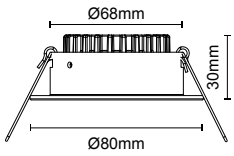
F53500RC / F53500RCv2

IP44 | IP20/IP54 | Class II | 25°



F53500RC-w/ru

IP44 | IP20/IP54 | Class II | 25°

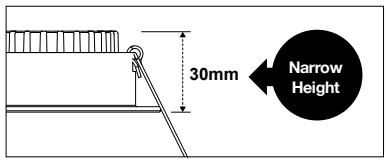


DC16-21V

White (WH26) | Silver (SV26) | Nickel (NI53)

Standard Version

Model No.	Input Current (mA)	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Max. Luminous Intensity (cd)	Dimension (mm)	Cut-Out (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Dimmable	Materials	Suggested Driver
F53500RC	350	6.5	500	77	36	1100	Ø80 x H30	Ø68	2800K / 4000K [>Ra80]	25000	Dimmable [2]	Metal housing with hybrid reflector	LD0509x1d-C350 U-DIM
F53500RC-w/ru Dim to WARM Ra95	350	6.5	500	77	36	1100	Ø80 x H30	Ø68	3000K- 1800K [>Ra80]	50000	Dimmable [2] (3000K-1800K)	Metal housing with hybrid reflector	LD0509x1d-C350 U-DIM
F53500RCv2	500	9	900	100	36	2400	Ø80 x H30	Ø68	2800K / 4000K [>Ra80]	50000 [1]	Dimmable [2]	Metal housing with hybrid reflector	LD0512x1d-C500 U-DIM

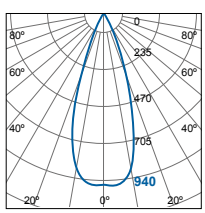


U-DIM™

Compatible with BOTH Leading-edge and Trailing-edge Conventional Dimmers for 100-5% Linear Dimming

when MEGAMAN® RICO HR working with MEGAMAN® drivers LD0509x1d-C350 and LD0512x1d-C500

F53500RC



m	Lux	Ø cm
0.5	3760	32
1	940	65
1.5	418	97
2	235	130

Beam angle = 36°

F53500RC-w/ru

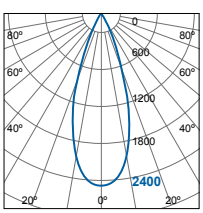
m	Lux	Ø cm
0.5	4471	32
1	1118	65
1.5	497	97
2	280	130

Beam angle = 36°

m	Lux	Ø cm
0.5	9600	32
1	2400	65
1.5	1067	97
2	600	130

Beam angle = 36°

F53500RCv2



m	Lux	Ø cm
0.5	9600	32
1	2400	65
1.5	1067	97
2	600	130

Beam angle = 36°

External driver with output current and nominal voltage corresponding to the input current and nominal voltage of the luminaire is required.
For example, the external driver with output current of 350mA and nominal voltage of DC16-21V is required for F53500RC.

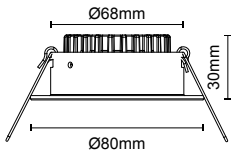
[1] The rated life of F53500RC-w/ru and F53500RCv2 is 50,000hrs at L80B50@Ta25°C and L70B50@Ta25°C respectively.
[2] Capable of linear dimming when working with DALI, DSI or 1-10V dimming drivers, and the dimming performance depends on the specification of driver.

Integrated LED luminaire

MEGAMAN® RICO HR

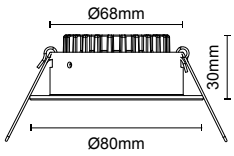
F62300RC-r9 / F62300RCv1-r9

IP44 | IP20/IP54 | Class II | 25°



F62300RC-w/ru

IP44 | IP20/IP54 | Class II | 25°

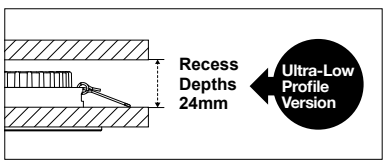


DC15-19V

White (WH26) | Silver (SV26) | Nickel (NI53)

Ultra-Low Profile Version

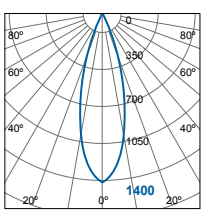
Model No.	Input Current (mA)	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Max. Luminous Intensity (cd)	Dimension (mm)	Cut-Out (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Dimmable	Materials	Suggested Driver
F62300RC-r9 Ra95	350	6.5	500	77	36	1100	Ø80 x H30	Ø68	2800K / 4000K [>Ra95]	25000	Dimmable [2]	Metal housing with hybrid reflector	LD0509x1d-C350 U-DIM
F62300RCv1-r9 Ra95	500	9	700	78	36	1650	Ø80 x H30	Ø68	2800K / 4000K [>Ra95]	25000	Dimmable [2]	Metal housing with hybrid reflector	LD0509x1d-C350 U-DIM
F62300RC-w/ru Dim to WARM	350	6	500	83	36	1100	Ø80 x H30	Ø68	3000K- 1800K [>Ra97]	50000	Dimmable [2] (3000K-1800K)	Metal housing with hybrid reflector	LD0509x1d-C350 U-DIM



U-DIM™
Compatible with BOTH Leading-edge and Trailing-edge Conventional Dimmers for 100-5% Linear Dimming

when MEGAMAN® RICO HR working with MEGAMAN® drivers LD0509x1d-C350 and LD0512x1d-C500

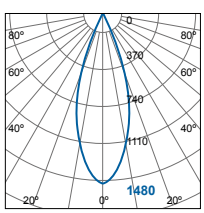
F62300RC-r9



m	Lux	Ø cm
0.5	5600	32
1	1400	65
1.5	622	97
2	350	130

Beam angle = 36°

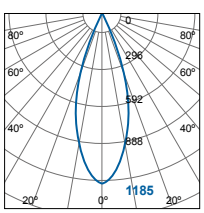
F62300RCv1-r9



m	Lux	Ø cm
0.5	5920	32
1	1480	65
1.5	658	97
2	370	130

Beam angle = 36°

F62300RC-w/ru



m	Lux	Ø cm
0.5	4740	32
1	1185	65
1.5	527	97
2	296	130

Beam angle = 36°

External driver with output current and nominal voltage corresponding to the input current and nominal voltage of the luminaire is required.
For example, the external driver with output current of 350mA and nominal voltage of DC16-21V is required for F53500RC.

[1] The rated life of F53500RC-w/ru and F62300RCv2 is 50000hrs at L70 B50 at Ta25°C
[2] Capable of linear dimming when working with DALI, DSI or 1-10V dimming drivers, and the dimming performance depends on the specification of driver.

Integrated LED luminaire

MEGAMAN® TEGO

MEGAMAN® TEGO

Fire Rated LED Downlight

Up to 88 lm/W

IP65

MEGAMAN ® TEGO provides fire protection that protects the integrity of the ceiling and prevents the spread of fire and smoke into the room above. MEGAMAN TEGO is compliant to BS476 Part 21 and is designed to withstand fire for up to 30, 60 and 90 minutes.
With features of easy installation and stock management, this series provides flexibility and convenience at the same time with thoughtful design.

Features

- Fully complaint to the building regulations requirement "Approved Document B" and fire tested in accordance with BS476-21
- Fully Fire-rated for 30, 60 and 90 minute ceilings
- IP65 version allows to use in bathroom
- Integrated version enhance easy installation and wiring
- Unique tool-less wiring block and push-in terminal ensure easy installation
- Loop in/Loop out feature enable one to one quick connection
- Robust spring clip
- Triac dimmable as standard
- Up to 88 lm/W
- 3000K and 4000K colour temperature switching in-situ
- Interchangeable bezel with 3 finishing (White, Chrome & Brush Nickel) enable flexibility of stock

Applications

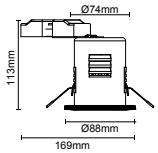
- Restaurants
- Hotels
- Offices
- Kitchens
- Corridors

Integrated LED luminaire

MEGAMAN® TEGO

FDS71900v0-dm/sc
FDS72000v0-dm/sc
FDS72100v0-dm/sc

36° | IP20 / IP65 | Class II

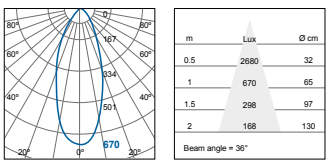


220-240V

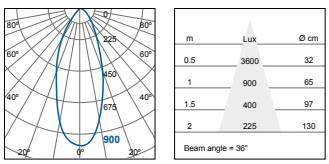
White (WH12)

Model No.	Wattage (W)	Luminous Flux (lm)	Beam Angle (°)	Dimension (mm)	Cut-Out (mm)	Colour Temp* (CCT Swtiching)	CRI	Rated Life at L70 B50 at Ta25°C (hrs)	IP Rating	Dimmable *Triac	Materials	Remarks
FDS71900v0-dm/sc	5	420	36	Ø85 x H70	Ø73	3000K/ 4000K	≥80	30,000	IP65	100-10%	Steel + Plastic	Fixed
FDS72000v0-dm/sc	5	420	36	Ø85 x H70	Ø73	3000K/ 4000K	≥80	30,000	IP20	100-10%	Steel + Plastic	Adjustable
FDS72100v0-dm/sc	7.5	630	36	Ø85 x H70	Ø73	3000K/ 4000K	≥80	30,000	IP65	100-10%	Steel + Plastic	Fixed

FDS71900v0-dm/sc
FDS72000v0-dm/sc



FDS72100v0-dm/sc



Accessory

LA10130/CH
Bezel in CH
(Fixed)

LA10130/BN
Bezel in BN
(Fixed)

LA10131/CH
Bezel in CH
(Adjustable)

LA10131/BN
Bezel in BN
(Adjustable)

Interchangeable bezel with 3 finishing (White, Chrome & Brush Nickel) enable flexibility of stock

Integrated LED luminaire

MEGAMAN® TEGO 2

MEGAMAN® TEGO 2

Integrated LED Downlight

MEGAMAN® TEGO 2 integrated LED downlight comes with the Dual Beam Technology which offers a flexible choice of two beam angles in one luminaire. Switching CCT as well as dimmable function provides flexibility and convenience at the same time with thoughtful design. MEGAMAN® TEGO 2 with features of easy installation and stock management.

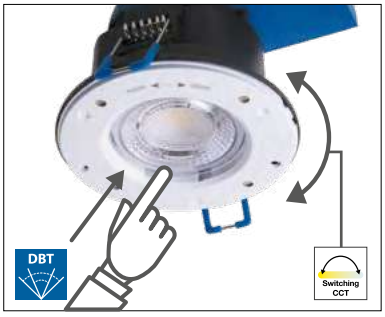
Features

- MEGAMAN® Dual Beam Technology (DBT) downlight, two beam angles in one fitting, 36° & 60°
- Dual CCT 2800K & 4000K and can be switched by tuning the front bezel
- Both beam angle and CCT can be changed in-situ, according to lighting requirements
- Universal dimming (U-dim) caters both leading edge and trailing edge dimmer with linear performance
- IP54 rated perfect to use in moisture area, e.g. bathroom
- 5 front covers option (White, Chrome, Brushed Nickel, Matt Black and Gold) available & can be interchanged
- Long lifetime 50,000hrs L80B10
- Tool-less wiring installation with loop in/loop out function
- Flicker free
- Ideal replacement for 75W halogen lamp

DBT | U-DIM | IP54 | Flicker free | Up to 87lm/W

Applications

- Restaurants
- Hotels
- Offices
- Kitchens
- Corridors

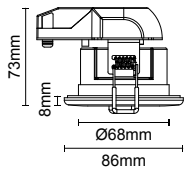


Integrated LED luminaire

MEGAMAN® TEGO 2

FDS72300v0-dm/db/sc

36° 60° IP54 Class II λ >0.9 Flicker Free

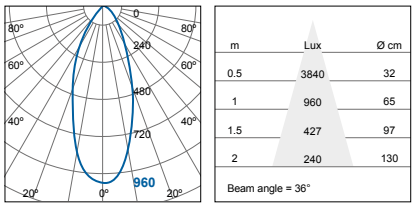


220-240V

White (WH26) Chrome (CH52) Nickel (NI53) Matt Black (BK22) Gold (GD53)

Model No.	Wattage (W)	Luminous Flux (lm)	Lm/W	Beam Angle (°)	CD	Dimension (mm)	Cut-Out (mm)	Colour Temp.	CRI	Rated Life at L80 B10 at Ta40°C (hrs)	Dimmable	Materials
FDS72300v0-dm/db/sc	7.5	600 [2800K] 650 [4000K]	80 [2800K] 87 [4000K]	36/60	960 [36°] 665 [60°]	Ø80 x H72	Ø68	2800K/4000K Switchable	≥80	50000	Universal dimming	Plastic Housing + Metal

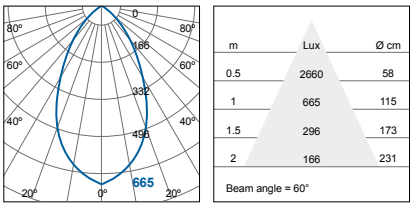
FDS72300v0-dm/db/sc-36°



m	Lux	Ø cm
0.5	3840	32
1	960	65
1.5	427	97
2	240	130

Beam angle = 36°

FDS72300v0-dm/db/sc-60°



m	Lux	Ø cm
0.5	2660	58
1	665	115
1.5	296	173
2	166	231

Beam angle = 60°

Interchangeable bezel with 5 finishing (White, Chrome, Brushed Nickel, Matt Black & Gold) enable flexibility of stock

Accessory

LA8085/WH
Bezel
(White)

LA8085/CH
Bezel
(Chrome)

LA8085/NI
Bezel
(Brush Nickel)

LA8085/BK
Bezel
(Matt Black)

LA8085/GD
Bezel
(Gold)

Integrated LED luminaire

MEGAMAN® TEGO 2 FRD

MEGAMAN® TEGO 2 FRD

Fire-rated LED Downlight

MEGAMAN® TEGO 2 FRD provides fire protection that protects the integrity of the ceiling and prevents the spread of fire and smoke into the room above. MEGAMAN® TEGO 2 FRD complies to BS476 Part 21 and is designed to withstand fire for up to 30, 60 and 90 minutes. MEGAMAN® TEGO 2 FRD comes with the Dual Beam Technology (DBT) which offers a flexible choice of two beam angles in one luminaires, switching CCT, as well as a dimmable function provides the flexibility and convenience at the same time with thoughtful design.

Features

- Fire-rated, achieved BS 476-20:1987+AC:2014 -Part 20 and BS 476-21:1987+AC:2014 -Part 20 Part 21, ≥30mins, ≥60mins, ≥90mins.
- MEGAMAN® Dual Beam Technology (DBT) downlight, two beam angles in one fitting, 36° & 60°
- Dual CCT 2800K & 4000K and can be switched by tuning the front bezel
- Both beam angle and CCT can be changed in-situ, according to lighting requirements
- Universal dimming (U-dim) caters both leading edge and trailing edge dimmer with linear performance
- IP65 rated perfect to use in moisture area, e.g. bathroom
- 5 front cover options are (White, Chrome, Brushed Nickel, Matt Black and Gold) available and interchangeable
- Long lifetime 50,000hrs L80B10
- Tool-less wiring installation with loop in/loop out function
- Flicker free
- Ideal replacement for 75W halogen lamp

DBT | U-DIM | Switching CCT | Flicker free | IP65 | Up to 87lm/W

Applications

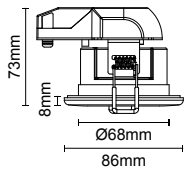
- Restaurants
- Hotels
- Offices
- Kitchens
- Corridors

Integrated LED luminaire

MEGAMAN® TEGO 2 FRD

FDS72400v0-dm/db/sc

36° 60° IP54 Class II λ >0.9 Flicker Free

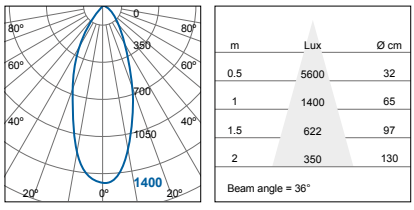


220-240V

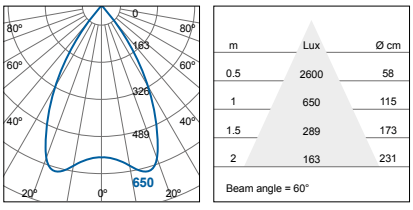
White (WH12) Chrome (CH52) Nickel (NI53) Matt Black (BK22) Gold (GD53)

Model No.	Wattage (W)	Luminous Flux (lm)	Lm/W	Beam Angle (°)	CD	Dimension (mm)	Cut-Out (mm)	Colour Temp.	CRI	Rated Life at L80 B10 at Ta25°C (hrs)	Dimmable	Materials
FDS72400v0-dm/db/sc	7.5	600 [2800K] 650 [4000K]	80 [2800K] 87 [4000K]	36/60	1400 [36°] 650 [60°]	Ø90 x H72	Ø68	2800K/4000K Switchable	≥80	50000	Universal dimming	Plastic Housing + Metal

FDS72400v0-dm/db/sc-36°



FDS72400v0-dm/db/sc-60°



Interchangeable bezel with 5 finishing (White, Chrome, Brushed Nickel, Matt Black & Gold) enable flexibility of stock

Accessory

LA8111/WH
Bezel
(White)

LA8111/CH
Bezel
(Chrome)

LA8111/NI
Bezel
(Brush Nickel)

LA8111/BK
Bezel
(Matt Black)

LA8111/GD
Bezel
(Gold)

Integrated LED luminaire

MEGAMAN® TEGO 3

MEGAMAN® TEGO 3

Integrated LED downlight

MEGAMAN® TEGO 3 integrated LED downlight comes with the Dual Beam Technology with offers a flexibility choice of two beam angles in one luminaire. Switching CCT as well as dimmable function provided flexibility and convenience at the same time with smart design. Optional thermal insulation guard available for using under thermal ceiling installation.

Features

- MEGAMAN® Dual Beam Technology (DBT) downlight, two beam angles (36° & 60°) in one fitting
- Dual CCT 2800K & 4000K and can be switched by tuning the lens
- Both beam angle and CCT can be changed in-situ, according to lighting requirements
- Universal dimming with smooth performance
- IP54 rated perfect to use in moisture area, e.g. bathroom
- Optional thermal insulation guard available for using under thermal ceiling installation
- Optional 5 finishing bezels (White, Black, Gold, Chrome & Brushed Nickel) available & can be easily interchanged
- Long lifetime 50,000hrs L70B50 @ Ta25°C
- Tool-less wiring installation with loop in/loop out function

DBT | U-DIM | Switching CCT | Flicker free | IP54 | Up to 87lm/W

Applications

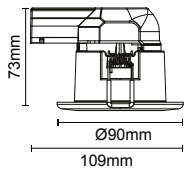
- Restaurants
- Hotels
- Offices
- Bathrooms
- Corridors

Integrated LED luminaire

MEGAMAN® TEGO 3

FDS73200v0-dm/db/sc+036D060D

36° 60° IP20/IP54 Class II λ >0.9 Flicker Free

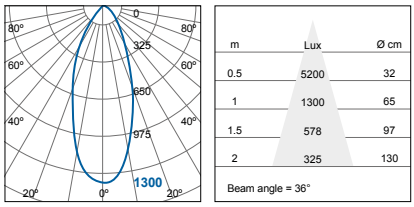


220-240V

White (WH12) Chrome (CH52) Brushed Nickel (NI53) Matt Black (BK22) Gold (GD53)

Model No.	Wattage (W)	Luminous Flux (lm)	Lm/W	Beam Angle (°)	CD	Dimension (mm)	Cut-Out (mm)	Colour Temp.	CRI	Rated Life at L70 B50 at Ta25°C (hrs)	Dimmable	Materials
FDS73200v0-dm/db/sc +036D060D	7.5	600 [2800K] 650 [4000K]	80 [2800K] 87 [4000K]	36/60	1300 [36°] 650 [60°]	Ø90 x 109 x 73	Ø68	2800K/4000K Switchable	≥80	50000	Universal dimming	Plastic housing and Plastic diffuser

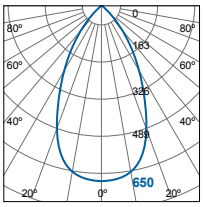
FDS73200v0-dm/db/sc+36°



m	Lux	Ø cm
0.5	5200	32
1	1300	65
1.5	578	97
2	325	130

Beam angle = 36°

FDS73200v0-dm/db/sc+60°



m	Lux	Ø cm
0.5	2600	58
1	650	115
1.5	289	173
2	163	231

Beam angle = 60°

Accessory

LA8111/WH Bezel (White)

LA8111/CH Bezel (Chrome)

LA8111/NI Bezel (Brushed Nickel)

LA8111/BK Bezel (Matt Black)

LA8111/GD Bezel (Gold)

Interchangeable bezel with 5 finishing (White, Chrome, Brushed Nickel, Matt Black & Gold) enable flexibility of stock

Integrated LED luminaire

MEGAMAN® TEGO SLIM

essentials MEGAMAN®
+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +

MEGAMAN® TEGO SLIM

Fire Rated LED Downlight

MEGAMAN® TEGO SLIM provides fire protection that protects the integrity of the ceiling and prevents the spread of fire and smoke into the room above. MEGAMAN® TEGO SLIM is compliant to BS476 Part 21 and is designed to withstand fire for up to 30, 60 and 90 minutes. MEGAMAN® TEGO SLIM is a full fire-rated downlight comes with Universal dimming which caters both leading edge and trailing edge dimmer with linear dimming performance also with features of easy installation and stock management.

Features

- Fully comply to the building regulations requirement "Approved Document B" and fire tested in accordance with BS476-21
- Full fire-rated for 30, 60 and 90 minutes ceilings
- IP65 rated perfect to use in moisture area, e.g. bathroom
- Compact and Slim design, ideal for ceiling with limited depth
- Universal dimming (U-dim) caters both leading edge and trailing edge dimmer with linear dimming performance
- Flexible cord between luminaire and terminal block that facilitates easy installation
- Optional thermal insulation guard available for using under thermal ceiling installation
- Tool-less wiring installation with loop in/loop out quick connection
- Interchangeable bezel with 3 finishing (White, Chrome and Brushed Nickel) enable stock flexibility

U-DIM | IP65 | Flicker Free | 25000 hrs

Applications

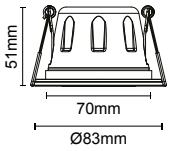
- Conference rooms
- Shops
- Restaurants
- Hotels
- Offices
- Corridors

Integrated LED luminaire

MEGAMAN® TEGO SLIM

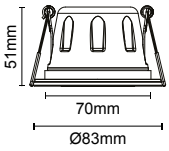
FDS73100v0-dm

90° IP20/IP65 Class II Flicker Free λ >0.8



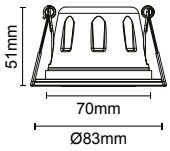
FDS73100v0-dm-N152

90° IP20/IP65 Class II Flicker Free λ >0.8



FDS73100v0-dm-CH53

90° IP20/IP65 Class II Flicker Free λ >0.8

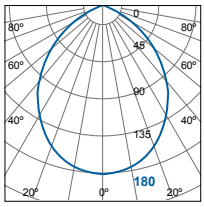


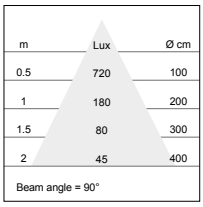
220-240V

White (WH11) Chrome (CH53) Brushed Nickel (NI52)

Model No.	Wattage (W)	Luminous Flux (lm)	Beam Angle (°)	Dimension (mm)	Cut-Out (mm)	Colour Temp.	Rated Lifetime L70B50@Ta25°C (hrs)	Materials
FDS73100v0-dm	5.5	450	90	Ø83 x 51	Ø70	2800K / 4000K	25000	Metal + Plastic housing Plastic diffuser
FDS73100v0-dm-N152	5.5	450	90	Ø83 x 51	Ø70	2800K / 4000K	25000	Metal + Plastic housing Plastic diffuser
FDS73100v0-dm-CH53	5.5	450	90	Ø83 x 51	Ø70	2800K / 4000K	25000	Metal + Plastic housing Plastic diffuser

FDS73100v0-dm





Accessories

LA8125
Thermal insulation guard

Integrated LED luminaire

MEGAMAN® ANNA

essentials MEGAMAN®
+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +

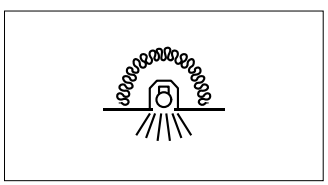
MEGAMAN® ANNA

Integrated LED downlight

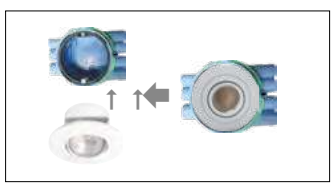
MEGAMAN® ANNA is a cost effective integrated LED downlight solution that is an ideal replacement for halogen PAR16 and GX53 downlights. In response to the market need for high-quality light effects, RichColour and U-dim options are also available. MEGAMAN® ANNA's compact design, with built-in driver, can be used with a prefabricated junction box for easy installation. Furthermore, due to MEGAMAN® ANNA's excellent thermal management it is suitable for mounting directly in thermally insulated ceiling recesses.

Features

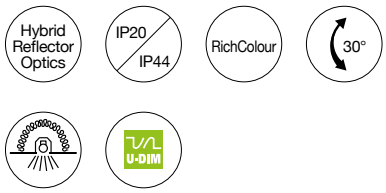
- Compatible to install with prefabricated junction box and recess mounting
- MEGAMAN® ANNA can be covered by thermal insulation materials for recessed installation.
- With MEGAMAN® U-DIM™ feature, which are compatible with both lead-edge and trailing-edge conventional dimmers and enhanced dimming range of 100% to 5%
- Magnetic for mounting cover, offers flexibility to change different trim, minimize inventory and transportation costs
- Options available in RichColour
- Colour rending index of 90 with MEGAMAN® Richcolour



Can be covered by thermal insulation materials for recessed installation



Compatible with prefabricated ABB AU67 junction box



Applications

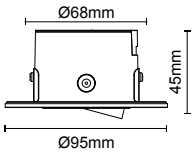
- Retails
- Hotels
- Restaurants
- Offices

Integrated LED luminaire

MEGAMAN® ANNA

FDS70000v0-dm/r9

36° 30° IP20/IP44 Class II



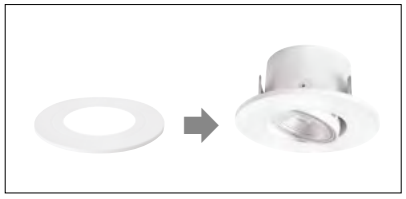
220-240V

Silver (SV26)

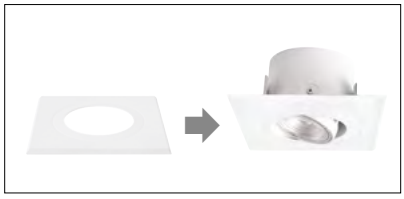
White (WH26)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Cut-out (mm)	Colour Temp.	CRI	Rated Life at L70 B50 at Ta25°C (hrs)	Power Factor (λ)	Material
FDS70000v0-dm/r9 U-DIM	5	350	70	36	Ø95 x H45	Ø68	2800K/4000K	Ra90	35000	>0.7	Polycarbonate

Accessory



LA10052
Circular Cover



LA10053
Square Cover

Integrated LED luminaire

MEGAMAN® KANA

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Integrated LED luminaire

MEGAMAN® KANA

MEGAMAN® KANA

Integrated LED downlight

MEGAMAN® KANA is a cost-effective sustainable downlight solution designed to replace traditional CFL downlights. Featuring LED technology allows further energy-saving and uniform light distribution. MEGAMAN® KANA with a compact design which suitable for limited ceiling depths installation.

Features

- Replacement for traditional CFL downlights
- No external driver required which facilitates easy installation and maintenance
- Delivers uniform light distribution
- Range of sizes allowing retrofit for many conventional downlights in existing ceiling cut-outs
- Slim design suitable for limited ceiling depths

IP40 | Flicker Free | Class II | λ >0.9 | 30000 hrs

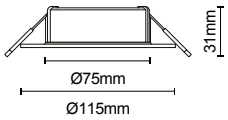
Applications

- Retails
- Bathrooms
- Hotels
- Kitchens
- Offices
- Restaurants

MEGAMAN® KANA

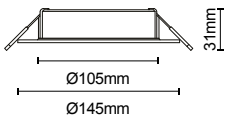
FDM72300v0

IP40 | Class II | Flicker Free



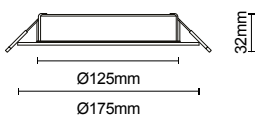
FDL74600v0

IP40 | Class II | Flicker Free



FDL74700v0

IP40 | Class II | Flicker Free

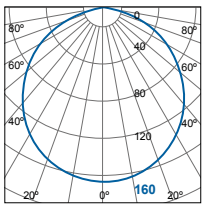


220-240V

White (WH12)

Model No.	Wattage (W)	Luminous Flux (lm)	Beam Angle (°)	Power Factor (λ)	Dimension (mm)	Cutout (mm)	Colour Temp. [CRI]	Rated Life at L70B50 at Ta25°C (hrs)	Materials
FDM72300v0	7	530 [3000K] 560 [4000K]	120	>0.9	Ø115 x H31	Ø75-90	3000K / 4000K [≥80]	30000	Plastic housing + PS diffuser
FDL74600v0	10	760 [3000K] 800 [4000K]	120	>0.9	Ø145 x H31	Ø105-125	3000K / 4000K [≥80]	30000	Plastic housing + PS diffuser
FDL74700v0	13	990 [3000K] 1040 [4000K]	120	>0.9	Ø175 x H32	Ø125-150	3000K / 4000K [≥80]	30000	Plastic housing + PS diffuser

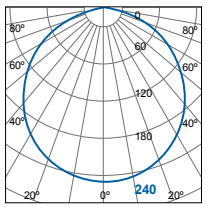
FDM72300v0



m	Lux	Ø cm
0.5	640	173
1	160	346
1.5	71	520
2	40	693

Beam angle = 120°

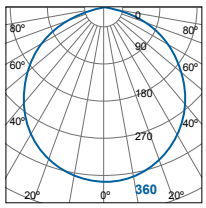
FDL74600v0



m	Lux	Ø cm
0.5	960	173
1	240	346
1.5	107	520
2	60	693

Beam angle = 120°

FDL74700v0



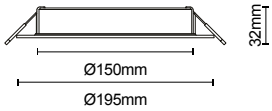
m	Lux	Ø cm
0.5	1440	173
1	360	346
1.5	160	520
2	90	693

Beam angle = 120°

MEGAMAN® KANA

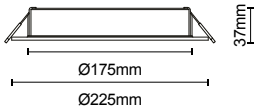
FDL74800v0

IP40 | Class II | Flicker Free



FDL74900v0

IP40 | Class II | Flicker Free

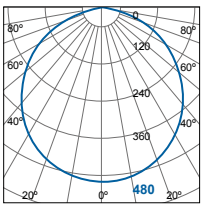


220-240V

White (WH12)

Model No.	Wattage (W)	Luminous Flux (lm)	Beam Angle (°)	Power Factor (λ)	Dimension (mm)	Cutout (mm)	Colour Temp. [CRI]	Rated Life at L70B50 at Ta25°C (hrs)	Materials
FDL74800v0	19	1440 [3000K] 1520 [4000K]	120	>0.9	Ø195 x H32	Ø150-175	3000K / 4000K [≥80]	30000	Plastic housing + PS diffuser
FDL74900v0	25	1900 [3000K] 2000 [4000K]	120	>0.9	Ø225 x H37	Ø175-200	3000K / 4000K [≥80]	30000	Plastic housing + PS diffuser

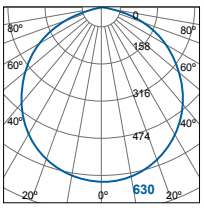
FDL74800v0



m	Lux	Ø cm
0.5	1920	173
1	480	346
1.5	213	520
2	120	693

Beam angle = 120°

FDL74900v0



m	Lux	Ø cm
0.5	2520	173
1	630	346
1.5	280	520
2	158	693

Beam angle = 120°

Integrated LED luminaire

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Integrated LED luminaire

MEGAMAN® PLANEX

MEGAMAN® PLANEX

Downlight

Ideal for any ceiling with limited depth, MEGAMAN® PLANEX has an ultra slim profile for small cabinets and furniture lighting where space is restricted. Working with LED GX53 lamps, it delivers excellent light output with up to 25,000 hours lifetime without the disadvantages of the extreme heat of halogens such as overheating, discolouration and deformation to furniture and display items.

Features

- Slim design with a recess depth of only 28mm for ultra low profile use
- Perfect for restricted spaces as well as conventional recessed applications
- Adjustable head (±20° tilt angle) for a subtle directional effect
- Can be built in to furniture
- End user serviceable GX53 LED lamp
- Lamp life up to 25,000 hours

Applications

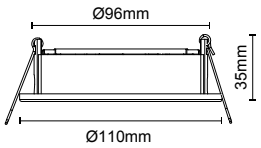
- Restricted depth recessed ceilings
- Moodlighting in both domestic and hospitality use
- Furniture lighting
- Kitchen cabinets

Integrated LED luminaire

MEGAMAN® PLANEX

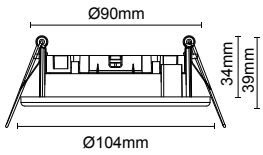
FDS70618v0

±20° IP20 Class II



L0504RC

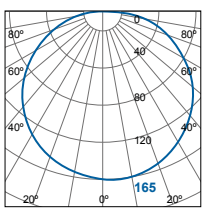
IP33 Class II



220-240V

Gold (GD41) Nickel (NI52) White (WH12) Silver (SV22) Black (BK12)

Model No.	Max. Wattage (W)	Dimension (mm)	Cut-Out (mm)	Light Source	Lamp Base	Materials
FDS70618v0	7	Ø110 x H35	Ø96	LED GX53	GX53	Polycarbonate
L0504RC	9	Ø104 x H39	Ø90	LED GX53	GX53	Polycarbonate



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Integrated LED luminaire

MEGAMAN® MILENALITE

MEGAMAN® MILENALITE

Integrated LED downlight

MEGAMAN® MILENALITE is a cost-effective sustainable downlight solution designed to replace traditional CFL downlights. Featuring LED technology for high luminous efficacy, it allows further energy-saving and uniform light distribution. MEGAMAN® MILENALITE does not require external driver facilitate easy installation and maintenance. The compact design is suitable for limited ceiling depths.

Features

- A range of recessed integrated LED downlights with different optics, including diffuser, reflector and lens version
- No external driver required which facilitates easy installation and maintenance
- Delivers uniform light distribution
- Range of sizes allowing retrofit for many conventional downlights in existing ceiling cut-outs
- Slim design suitable for limited ceiling depths

Flicker free | 25000 hrs | IP20 | Class II

Applications

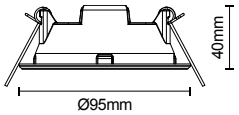
- Retails
- Bathrooms
- Hotels
- Kitchens
- Offices
- Restaurants

Integrated LED luminaire

MEGAMAN® MILENALITE

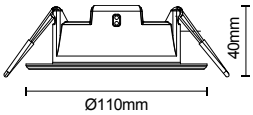
FDS72600v0

120° IP20 Class II Flicker Free



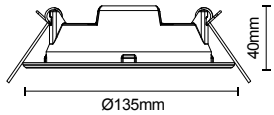
FDS72700v0

120° IP20 Class II Flicker Free



FDM71500v0

120° IP20 Class II Flicker Free



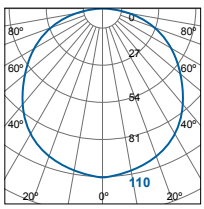
220-240V

White (WH12)

Diffuser

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Cut-Out (mm)	Colour Temp. [CRI]	Rated life at L70 B50 at Ta25°C (hrs)	Materials
FDS72600v0	5	370 [3000K] 400 [4000K/6500K]	74 [3000K] 80 [4000K/6500K]	120	Ø95 x H40	Ø75	3000K/4000K/6500K [≥Ra80]	25000	Polycarbonate
FDS72700v0	7	520 [3000K] 560 [4000K/6500K]	74 [3000K] 80 [4000K/6500K]	120	Ø110 x H40	Ø90	3000K/4000K/6500K [≥Ra80]	25000	Polycarbonate
FDM71500v0	9	670 [3000K] 720 [4000K/6500K]	74 [3000K] 80 [4000K/6500K]	120	Ø135 x H40	Ø110	3000K/4000K/6500K [≥Ra80]	25000	Polycarbonate

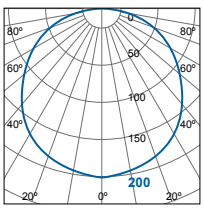
FDS72600v0



m	Lux	Ø cm
0.5	440	173
1	110	346
1.5	49	520
2	28	693

Beam angle = 120°

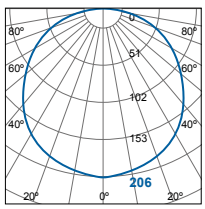
FDS72700v0



m	Lux	Ø cm
0.5	800	173
1	200	346
1.5	89	520
2	50	693

Beam angle = 120°

FDM71500v0



m	Lux	Ø cm
0.5	824	173
1	206	346
1.5	92	520
2	52	693

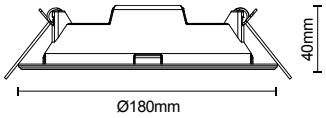
Beam angle = 120°

i Integrated LED luminaire

MEGAMAN® MILENALITE

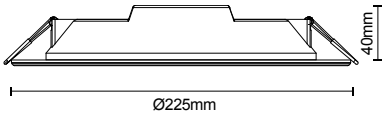
FDL73400v0

120° IP20 Class II Flicker Free



FDL73500v0

120° IP20 Class II Flicker Free



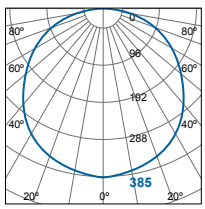
220-240V

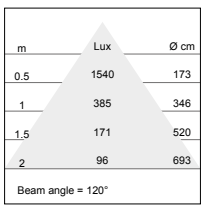
White (WH12)

Diffuser

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Cut-Out (mm)	Colour Temp. [CRI]	Rated life at L70 B50 at Ta25°C (hrs)	Materials
FDL73400v0	15	1200 [3000K] 1300 [4000K/6500K]	80 [3000K] 87 [4000K/6500K]	120	Ø180 x H40	Ø150	3000K/4000K/6500K [≥Ra80]	25000	Polycarbonate
FDL73500v0	22	1670 [3000K] 1800 [4000K/6500K]	76 [3000K] 82 [4000K/6500K]	120	Ø225 x H40	Ø200	3000K/4000K/6500K [≥Ra80]	25000	Polycarbonate

FDL73400v0





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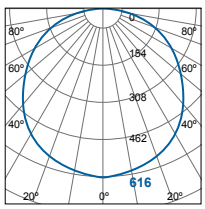
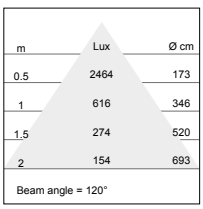


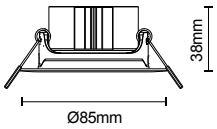


i Integrated LED luminaire

MEGAMAN® MILENALITE

FDS72800v0
FDS72800v1

36° 25° IP20 Class II Flicker Free



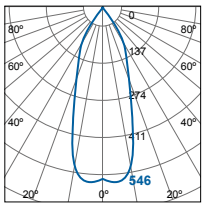
220-240V

White (WH12)

Reflector

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Cut-Out (mm)	Colour Temp. [CRI]	Rated life at L70 B50 at Ta25°C (hrs)	Materials
FDS72800v0	5	300 [3000K] 330 [4000K/6500K]	60 [3000K] 66 [4000K/6500K]	36	Ø85 x H38	Ø70	3000K/4000K/6500K [≥Ra80]	25000	PBT
FDS72800v1	7	430 [3000K] 460 [4000K/6500K]	61 [3000K] 66 [4000K/6500K]	36	Ø85 x H38	Ø70	3000K/4000K/6500K [≥Ra80]	25000	PBT

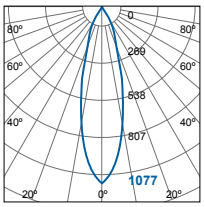
FDS72800v0



m	Lux	Ø cm
0.5	2184	32
1	546	65
1.5	243	97
2	137	130

Beam angle = 36°

FDS72800v1



m	Lux	Ø cm
0.5	4308	32
1	1077	65
1.5	479	97
2	269	130

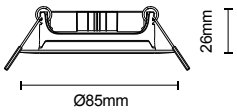
Beam angle = 36°

Integrated LED luminaire

MEGAMAN® MILENALITE

FDS72900v0
FDS72900v1

36° | 25° | IP20 | Class II | Flicker Free



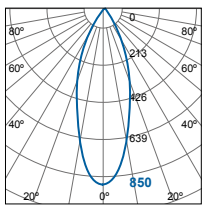
220-240V

White (WH12)

Lens

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Cut-Out (mm)	Colour Temp. [CRI]	Rated life at L70 B50 at Ta25°C (hrs)	Materials
FDS72900v0	5	400 [3000K] 430 [4000K/6500K]	80 [3000K] 86 [4000K/6500K]	36	Ø85 x H26	Ø70	3000K/4000K/6500K [≥Ra80]	25000	PBT
FDS72900v1	7	560 [3000K] 600 [4000K/6500K]	80 [3000K] 86 [4000K/6500K]	36	Ø85 x H26	Ø70	3000K/4000K/6500K [≥Ra80]	25000	PBT

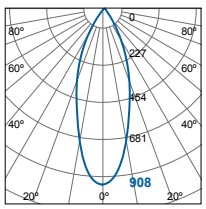
FDS72900v0



m	Lux	Ø cm
0.5	3400	32
1	850	65
1.5	378	97
2	213	130

Beam angle = 36°

FDS72900v1



m	Lux	Ø cm
0.5	3632	32
1	908	65
1.5	404	97
2	227	130

Beam angle = 36°

Integrated LED luminaire

MEGAMAN® MIA

essentials MEGAMAN®
+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +

Integrated LED luminaire

MEGAMAN® MIA

MEGAMAN® MIA

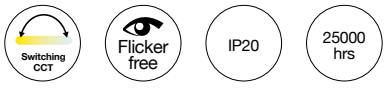
Integrated LED downlight

MEGAMAN® MIA, a compact and slim profile integrated downlight with single CCT and dual CCT options, enabling users to flexibly change light colours. MEGAMAN® MIA has three different mounting methods, including recess mounted, surface mounted with screw or Velcro fasteners, its design enables quick and easy installation.

MEGAMAN® MIA is available in three different colours of housing, white, black and brushed nickel, which can easily be matched with any interior designs for commercial or residential purposes.

Features

- Both single CCT and Dual CCT version offer flexibility of lighting design
- Compact slim profile for easy and quick installation
- 3 mounting methods including recess mounted, surface mounted with Screw or Velcro
- Ultra-slim with only 17.5mm height for recessed and 21mm for surface-mounted
- 3 colours housing option (White, Black and Brushed Nickel)
- Operating temperature from -30°C to +40°C
- Flicker free



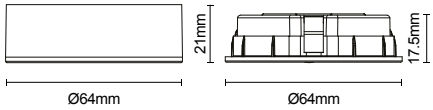
Applications

- Under-cabinet
- Kitchens
- Restaurants
- Hotels
- Retails
- Offices

MEGAMAN® MIA

FDS73600v0
FDS73600v0-sc

IP20 | Flicker Free

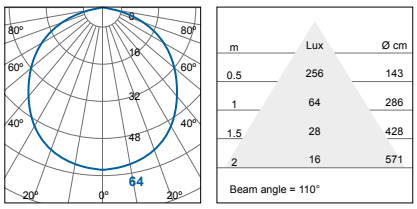


220-240V

White (WH12) | Brushed Nickel (NI52) | Black (BK12)

Model No.	Wattage (W)	Luminous Flux (lm)	Lm/W	Beam Angle (°)	Dimension (mm)	Dimension (mm) Surface mounted	Cutout (mm)	Colour Temp. [CRI]	Rated Life at L70B50 at Ta25°C (hrs)	Materials
FDS73600v0	2	160lm @ 3000K 170lm @ 4000K	80lm @ 3000K 85lm @ 4000K	110	Ø64 x H17.5	Ø64 x H21	60	3000K 4000K	25000	Plastic
FDS73600v0-sc	2.2	160lm @ 3000K 170lm @ 4000K	73lm @ 3000K 77lm @ 4000K	110	Ø64 x H17.5	Ø64 x H21	60	3000K / 4000K switchable	25000	Plastic

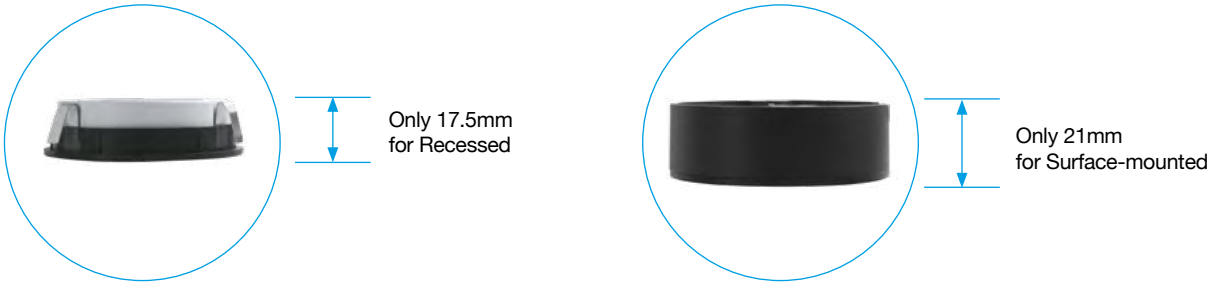
FDS73600v0 / FDS73600v0-sc



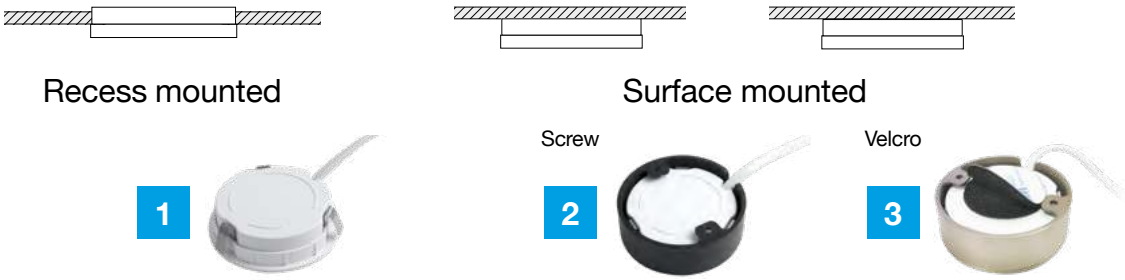
Accessories

MEGAMAN® MIA

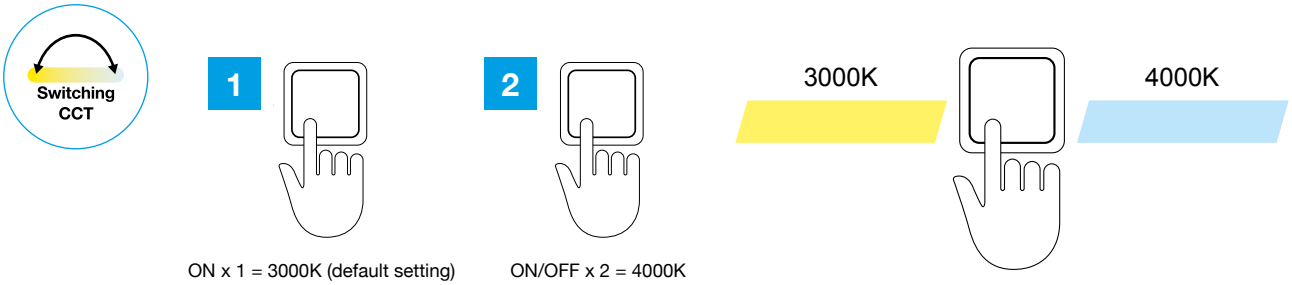
Ultra-slim



Mounting methods



Switching CCT with memory function by any standard wall switch



MEGAMAN® GEO 2

Integrated LED luminaire

MEGAMAN® GEO 2

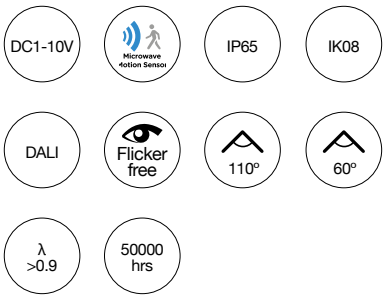
MEGAMAN® GEO 2

High bay

MEGAMAN® GEO 2 is an innovative high bay design compared with traditional high bay, with passive cooling structure. Its single point installation with a hook mounting makes it as an ideal replacement of existing chain suspension units. Reflector & refractor are available for better glare control and traditional appearance.

Features

- Best value for money high bay solution
- Passive cooling structure with light design and reducing noise level
- Excellent heat dissipation with graphene housing
- Easy installation with single point hook mounting design
- IP65 protection
- 50,000hrs L70B50 at Ta40°C
- Compatible with microwave sensor
- Flicker free to avoid stroboscopic effect in which get rid of danger of rotating machines
- Attachable DALI module available
- High vandal resistant with IK08
- Reflector & refractor as optional accessories
- High system luminous efficacy of 165lm/W for significant energy savings compared to traditional high bays



Applications

- High-ceiling areas
- Halls
- Warehouses
- General manufacturing

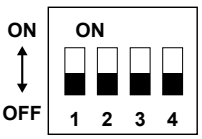
Integrated LED luminaire

MEGAMAN® GEO 2

With IP65 cable gland

Optional accessories
Microwave Sensor Module

5 Selectable outputs



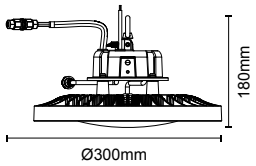
PIN1	PIN2	PIN3	PIN4	Power for FHB71000v0	Power for FHB71000v1
OFF	OFF	OFF	OFF	150W	165W
ON	OFF	OFF	OFF	125W	125W
OFF	**ON**	OFF	OFF	100W	115W
OFF	OFF	**ON**	OFF	90W	90W
OFF	OFF	OFF	**ON**	70W	80W

Integrated LED luminaire

MEGAMAN® GEO 2

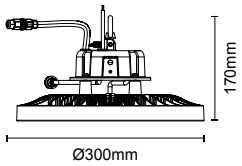
FHB71000v0-dc/ds+110D
FHB71000v1-dc/ds+110D

110° | IP65 | IK08 | λ >0.9 | Flicker Free



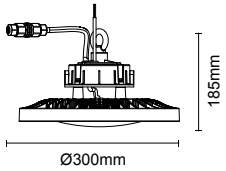
FHB71000v0-dc/ds+060D

60° | IP65 | IK08 | λ >0.9 | Flicker Free



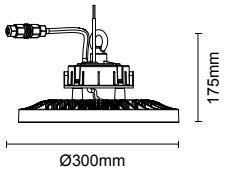
FHB71000v0-da+110D
FHB71000v1-da+110D

110° | IP65 | IK08 | λ >0.9 | Flicker Free



FHB71000v0-da+060D

60° | IP65 | IK08 | λ >0.9 | Flicker Free



220-240V

Black (BK12)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70B50 at Ta40°C (hrs)	Dimmable	Power Factor (λ)	Materials
FHB71000v0-dc/ds+110D	150/125/100/90/70	21000/18900/15000/13500/10500	150 140 at 150W	Ø300 x H180	4000K [Ra80]	50000	0-10V*	> 0.9	Graphene Housing, PC diffuser
FHB71000v0-dc/ds+060D	150/125/100/90/70	21000/18900/15000/13500/10500	150 140 at 150W	Ø300 x H170	4000K [Ra80]	50000	0-10V*	> 0.9	Graphene Housing, PC diffuser
FHB71000v1-dc/ds+110D	165/125/115/90/80	27200/21000/18900/15000/13500	165	Ø300 x H180	4000K [Ra80]	50000	0-10V*	> 0.9	Graphene Housing, PC diffuser
FHB71000v0-da+110D	150	21000	140	Ø300 x H185	4000K [Ra80]	50000	DALI 2	> 0.9	Graphene Housing, PC diffuser
FHB71000v0-da+060D	150	21000	140	Ø300 x H175	4000K [Ra80]	50000	DALI 2	> 0.9	Graphene Housing, PC diffuser
FHB71000v1-da+110D	165	27200	165	Ø300 x H185	4000K [Ra80]	50000	DALI 2	> 0.9	Graphene Housing, PC diffuser

Accessory

LA3133
90° Aluminum reflector
(Ø396 x H80mm)

LA3134
70° PC Refractor
(Ø414 x H180mm)

LA11189
Microwave motion sensor kit

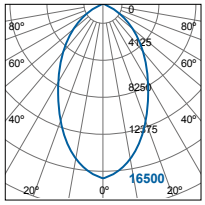
LA11170
Motion Sensor Remote Control

LA3156
0-10V Dimming wire

Integrated LED luminaire

MEGAMAN® GEO 2

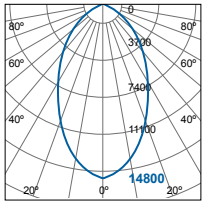
FHB71000v0-dc/ds+060D (150W)
FHB71000v0-da+060D (150W)



m	Lux	Ø cm
0.5	66000	58
1	16500	115
1.5	7333	173
2	4125	231

Beam angle = 60°

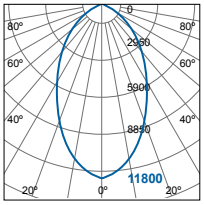
FHB71000v0-dc/ds+060D (125W)
FHB71000v0-da+060D (125W)



m	Lux	Ø cm
0.5	59200	58
1	14800	115
1.5	6578	173
2	3700	231

Beam angle = 60°

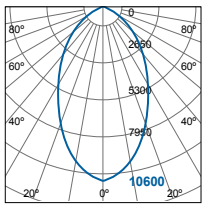
FHB71000v0-dc/ds+060D (100W)
FHB71000v0-da+060D (1100W)



m	Lux	Ø cm
0.5	47200	58
1	11800	115
1.5	5244	173
2	2950	231

Beam angle = 60°

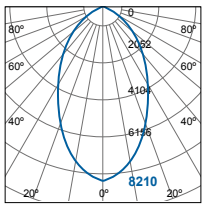
FHB71000v0-dc/ds+060D (90W)
FHB71000v0-da+060D (90W)



m	Lux	Ø cm
0.5	42400	58
1	10600	115
1.5	4711	173
2	2650	231

Beam angle = 60°

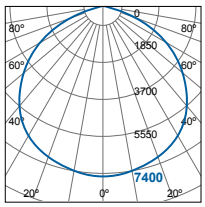
FHB71000v0-dc/ds+060D (70W)
FHB71000v0-da+060D (70W)



m	Lux	Ø cm
0.5	32840	58
1	8210	115
1.5	3649	173
2	2053	231

Beam angle = 60°

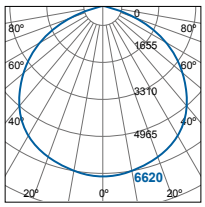
FHB71000v0-dc/ds+110D (150W)
FHB71000v0-da+110D (150W)



m	Lux	Ø cm
0.5	29600	143
1	7400	286
1.5	3289	428
2	1850	571

Beam angle = 110°

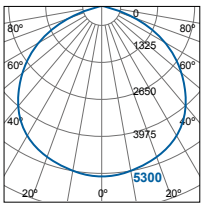
FHB71000v0-dc/ds+110D (125W)
FHB71000v0-da+110D (125W)



m	Lux	Ø cm
0.5	26780	143
1	6620	286
1.5	2942	428
2	1655	571

Beam angle = 110°

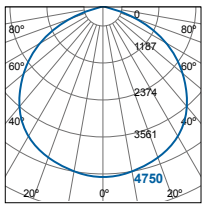
FHB71000v0-dc/ds+110D (100W)
FHB71000v0-da+110D (100W)



m	Lux	Ø cm
0.5	21200	143
1	5300	286
1.5	2356	428
2	1325	571

Beam angle = 110°

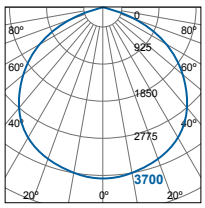
FHB71000v0-dc/ds+110D (90W)
FHB71000v0-da+110D (90W)



m	Lux	Ø cm
0.5	19000	143
1	4750	286
1.5	2111	428
2	1188	571

Beam angle = 110°

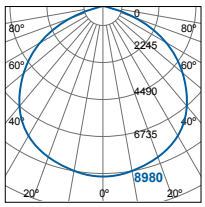
FHB71000v0-dc/ds+110D (70W)
FHB71000v0-da+110D (70W)



m	Lux	Ø cm
0.5	14800	143
1	3700	286
1.5	1644	428
2	925	571

Beam angle = 110°

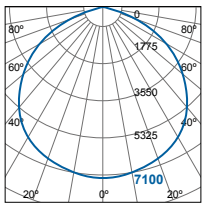
FHB71000v1-dc/ds+110D (165W)
FHB71000v1-da+110D (165W)



m	Lux	Ø cm
0.5	35920	143
1	8980	286
1.5	3991	428
2	2245	571

Beam angle = 110°

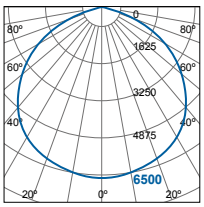
FHB71000v1-dc/ds+110D (125W)
FHB71000v1-da+110D (125W)



m	Lux	Ø cm
0.5	28400	143
1	7100	286
1.5	3156	428
2	1775	571

Beam angle = 110°

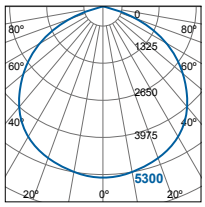
FHB71000v1-dc/ds+110D (115W)
FHB71000v1-da+110D (115W)



m	Lux	Ø cm
0.5	26000	143
1	6500	286
1.5	2889	428
2	1625	571

Beam angle = 110°

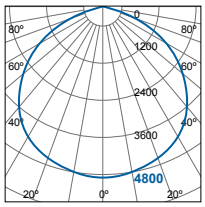
FHB71000v1-dc/ds+110D (90W)
FHB71000v1-da+110D (90W)



m	Lux	Ø cm
0.5	21200	143
1	5300	286
1.5	2356	428
2	1325	571

Beam angle = 110°

FHB71000v1-dc/ds+110D (80W)
FHB71000v1-da+110D (80W)



m	Lux	Ø cm
0.5	19200	143
1	4800	286
1.5	2133	428
2	1200	571

Beam angle = 110°

Integrated LED luminaire

MEGAMAN® KEO

essentials MEGAMAN®
+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +

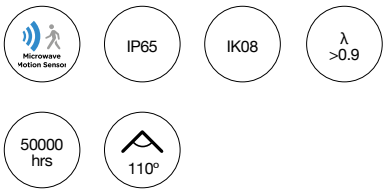
Integrated LED luminaire

MEGAMAN® KEO

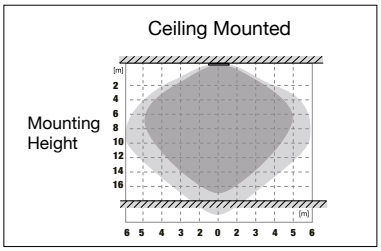
MEGAMAN® KEO
High bay

MEGAMAN® KEO is a cost effective high bay design with durable die-cast aluminium housing in anti-corrosion coating. Modular plug and play microwave motion sensor with standby dimming which configuring by optional remote controller for energy saving and safety consideration.

Features
- Replacement for traditional high bay in durable die-cast aluminium with anti-corrosion powder coating
- High luminous efficacy with up to 135lm/W
- Easy installation with single point hook mounting design
- IP65 protection and high vandal resistant with IK08
- 50,000hrs@L70B50 @Ta40°C
- Modular plug and play microwave motion sensor, with standby dimming (configuring by optional remote controller).
- Surface mounted bracket as optional accessory
- Equipped with 100cm length H05RN-F 3*1.0mm² power cable
- High surge protection level: 4000V (L-N) ; 6000V (L,N-PE)
- Operation temperature -30°C to +50°C



Applications
- High-ceiling areas
- Halls
- Warehouses
- General manufacturing

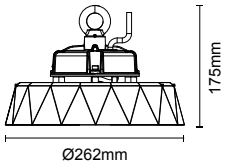


MEGAMAN® KEO microwave sensor detects movement within around 5-6m radius horizontally and / or 10-12m vertically beneath sensor, and only lights up when movement detected for energy saving.

MEGAMAN® KEO

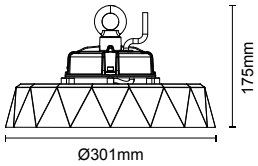
FHB71600v0

110° IP65 IK08 λ >0.9 Flicker Free



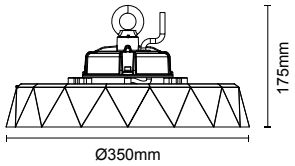
FHB71700v0

110° IP65 IK08 λ >0.9 Flicker Free



FHB71800v0

110° IP65 IK08 λ >0.9 Flicker Free

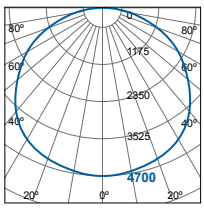


220-240V

Black (BK13)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Colour Temp. [CRI]	Beam Angle(°)	Power Factor (λ)	Rated Life at L70B50 at Ta40°C (hrs)	Dimension (mm)	Material
FHB71600v0	100	13500	135	4000K [Ra80]	110	0.9	50000	Ø262 x H175	Aluminium Diecast housing + Polycarbonate diffuser
FHB71700v0	150	20300	135	4000K [Ra80]	110	0.9	50000	Ø301 x H175	Aluminium Diecast housing + Polycarbonate diffuser
FHB71800v0	200	27000	135	4000K [Ra80]	110	0.9	50000	Ø350 x H175	Aluminium Diecast housing + Polycarbonate diffuser

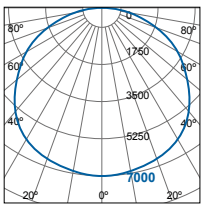
FHB71600v0



m	Lux	Ø cm
0.5	18800	143
1	4700	286
1.5	2089	428
2	1175	571

Beam angle = 110°

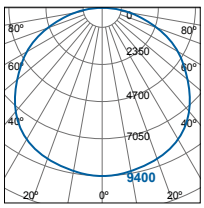
FHB71700v0



m	Lux	Ø cm
0.5	28000	143
1	7000	286
1.5	3111	428
2	1750	571

Beam angle = 110°

FHB71800v0



m	Lux	Ø cm
0.5	37600	143
1	9400	286
1.5	4178	428
2	2350	571

Beam angle = 110°

Accessory

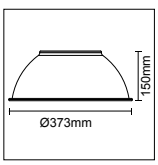
LA3168
Surface Mounting Bracket 100W (FHB71600v0)

LA3169
Surface Mounting Bracket 150W (FHB71700v0)

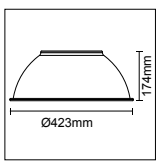
LA3170
Surface Mounting Bracket 200W (FHB71800v0)

LA11202
Remote controller for Microwave Motion Sensor

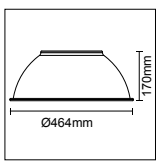
LA11201
Microwave Motion Sensor



LA10214
Reflector for FHB71600v0



LA10215
Reflector for FHB71700v0



LA10216
Reflector for FHB71800v0

Integrated LED luminaire

MEGAMAN® TONO 2

Integrated LED luminaire

MEGAMAN® TONO 2

MEGAMAN® TONO 2

Integrated LED batten

MEGAMAN® TONO 2 is a cost-effective and reliable indoor LED batten minimizing the initial investment without compromising flexibility. The luminaire is not only saving much energy costs compared to traditional battens, but also offering a longer lifetime. This results in significantly lower operational costs, ensuring a payback that meets the needs of the specification market.

Features

- MEGAMAN® TONO 2 is an integrated LED batten, as an ideal alternative to T5 and T8 fluorescent fittings
- UK BESA connection box compatible
- Compliant with the building regulation, approved document B “Fire Safety” – Classification TP(b)
- Available in 5 different sizes, i.e.: 600mm, 900mm, 1200mm, 1500mm and 1800mm
- Enhancing efficacy up to 117lm/W
- Long life time (50,000hrs@L70B50 at Ta25°C)
- Flicker free

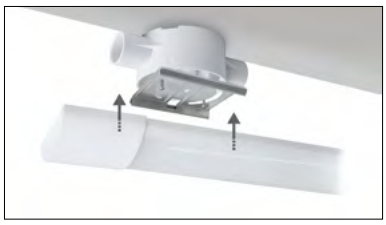
Up to 117 lm/W

50000 hrs

Flicker free

Applications

- Residential lighting
- Under cabinet
- Staircases
- Corridors
- Factories
- Warehouse

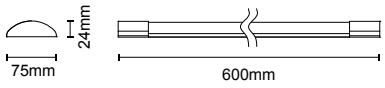


UK BESA box compatible

MEGAMAN® TONO 2

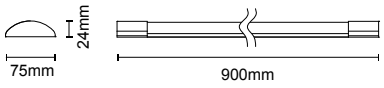
FIB70500v2

λ >0.9 | Class II | Flicker Free



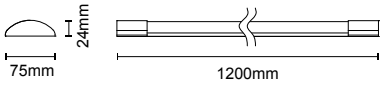
FIB73300v0

λ >0.9 | Class II | Flicker Free



FIB70600v2

λ >0.9 | Class II | Flicker Free

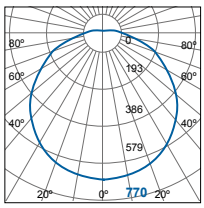


220-240V | IP20

White (WH12)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Material
FIB70500v2	20	2050 [3000K]	103 [3000K]	110	L600 x W75 x H24	3000K [≥80]	50000	Polycarbonate
FIB70500v2	20	2200 [4000K]	110 [4000K]	110	L600 x W75 x H24	4000K [≥80]	50000	Polycarbonate
FIB73300v0	29	3050 [3000K]	105 [3000K]	110	L900 x W75 x H24	3000K [≥80]	50000	Polycarbonate
FIB73300v0	29	3300 [4000K]	114 [4000K]	110	L900 x W75 x H24	4000K [≥80]	50000	Polycarbonate
FIB70600v2	38	4050 [3000K]	107 [3000K]	110	L1200 x W75 x H24	3000K [≥80]	50000	Polycarbonate
FIB70600v2	38	4350 [4000K]	114 [4000K]	110	L1200 x W75 x H24	4000K [≥80]	50000	Polycarbonate

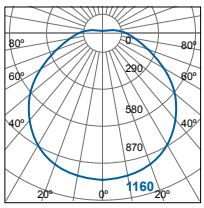
FIB70500v2



m	Lux	Ø cm
0.5	3080	143
1	770	286
1.5	342	428
2	193	571

Beam angle = 110°

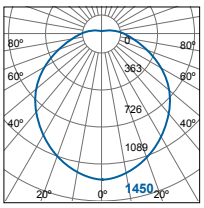
FIB73300v0



m	Lux	Ø cm
0.5	4640	143
1	1160	286
1.5	516	428
2	290	571

Beam angle = 110°

FIB70600v2



m	Lux	Ø cm
0.5	5800	143
1	1450	286
1.5	644	428
2	363	571

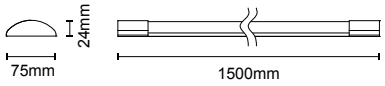
Beam angle = 110°

Integrated LED luminaire

MEGAMAN® TONO 2

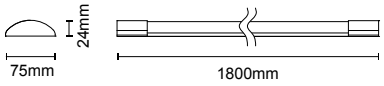
FIB70700v2

λ >0.9 | Class II | Flicker Free



FIB73400v0

λ >0.9 | Class II | Flicker Free

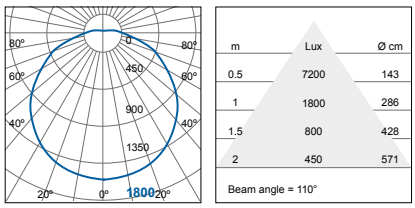


220-240V | IP20

White (WH12)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Material
FIB70700v2	48	5200 [3000K]	108 [3000K]	110	L1500 x W75 x H24	3000K [≥80]	50000	Polycarbonate
FIB70700v2	48	5600 [4000K]	117 [4000K]	110	L1500 x W75 x H24	4000K [≥80]	50000	Polycarbonate
FIB70700v2	48	5600 [6500K]	117 [6500K]	110	L1500 x W75 x H24	6500K [≥80]	50000	Polycarbonate
FIB73400v0	56	6100 [3000K]	109 [3000K]	110	L1800 x W75 x H24	3000K [≥80]	50000	Polycarbonate
FIB73400v0	56	6550 [4000K]	117 [4000K]	110	L1800 x W75 x H24	4000K [≥80]	50000	Polycarbonate
FIB73400v0	56	6550 [6500K]	117 [6500K]	110	L1800 x W75 x H24	6500K [≥80]	50000	Polycarbonate

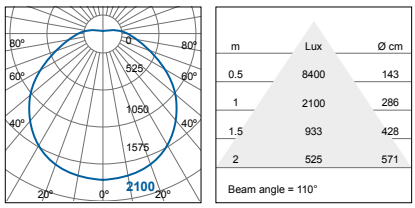
FIB70700v2



m	Lux	Ø cm
0.5	7200	143
1	1800	286
1.5	800	428
2	450	571

Beam angle = 110°

FIB73400v0



m	Lux	Ø cm
0.5	8400	143
1	2100	286
1.5	933	428
2	525	571

Beam angle = 110°

Integrated LED luminaire

MEGAMAN® FARRON

Standard Version

Emergency Version

Integrated LED luminaire

MEGAMAN® FARRON

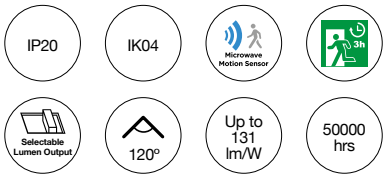
MEGAMAN® FARRON

Integrated LED batten

MEGAMAN® FARRON is a basic solution for general lighting that provide quality of light, substantial energy and maintenance saving. It is an ideal replacement for conventional indoor batten with optional features of built in microwave sensor and 3 hour emergency kit to provide functional flexibility with a consistent outlook.

Features

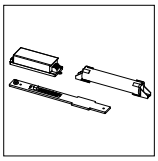
- Direct 1 to 1 replacement of conventional indoor batten in LED solution
- Slim and versatile outlook
- 2-step lumen output in one fitting
- 0-10V dimming available
- Built in Microwave sensor & emergency kit provide a consistent outlook with standard version
- White powder coating
- Capable to connect with conduit at both end by Ø25mm knockout
- Click in opal diffuser into metal mounting base
- Easy and tool-less installation & wiring
- Selectable lumen, Sensor & Emergency kit options available
- Capable to mount in UK Beza box



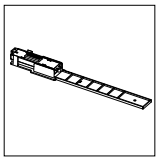
Applications

- Residential lighting
- Schools
- Public area
- Factories
- Corridors
- Warehouse

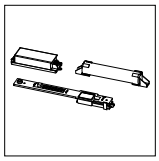
Accessory



LA11161
Emergency module



LA11162
Microwave Motion Sensor



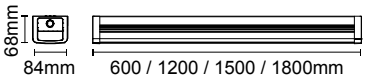
LA11163
Microwave Motion Sensor Emergency module

Integrated LED luminaire

MEGAMAN® FARRON

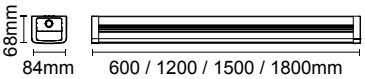
FIB73500v0-ds
FIB73600v0-ds
FIB73700v0-ds
FIB73800v0-ds

IP20 | IK04 | Class I | 120°



FIB73500v0-ds/ms
FIB73600v0-ds/ms
FIB73700v0-ds/ms
FIB73800v0-ds/ms

IP20 | IK04 | Class I | 120°

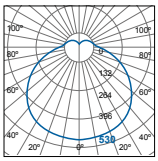


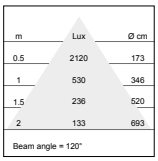
220-240V | λ >0.9

White (WH12)

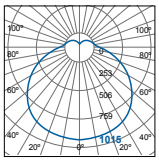
Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L80 B10 at Ta25ºC	Materials
Standard Version							
FIB73500v0-ds	10/21	930/1950 [3000K] 1000/2100 [4000K/6500K]	93 [3000K] 100 [4000K/6500K]	L600 x W84 x H68	3000K/4000K/6500K [>Ra80]	50000	Steel housing + Polycarbonate diffuser
FIB73600v0-ds	20/40	1850/3700 [3000K] 2000/4000 [4000K/ 6500K]	93 [3000K] 100 [4000K/6500K]	L1200 x W84 x H68	3000K/4000K/6500K [>Ra80]	50000	Steel housing + Polycarbonate diffuser
FIB73700v0-ds	22/52	2400/4800 [3000K] 2600/5200 [4000K/ 6500K]	109/92 [3000K] 118/100 [4000K/6500K	L1500 x W84 x H68	3000K/4000K/6500K [>Ra80]	50000	Steel housing + Polycarbonate diffuser
FIB73800v0-ds	26/52	3100/5900 [3000K] 3400/6400 [4000K/ 6500K]	119/113 [3000K] 131/123 [4000K/6500K]	L1800 x W84 x H68	3000K/4000K/6500K [>Ra80]	50000	Steel housing + Polycarbonate diffuser
With Microwave Sensor							
FIB73500v0-ds/ms	10/21	930/1950 [3000K] 1000/2100 [4000K/6500K]	93 [3000K] 100 [4000K/6500K]	L600 x W84 x H68	3000K/4000K/6500K [>Ra80]	50000	Steel housing + Polycarbonate diffuser
FIB73600v0-ds/ms	20/40	1850/3700 [3000K] 2000/4000 [4000K/ 6500K]	93 [3000K] 100 [4000K/6500K]	L1200 x W84 x H68	3000K/4000K/6500K [>Ra80]	50000	Steel housing + Polycarbonate diffuser
FIB73700v0-ds/ms	22/52	2400/4800 [3000K] 2600/5200 [4000K/ 6500K]	109/92 [3000K] 118/100 [4000K/6500K]	L1500 x W84 x H68	3000K/4000K/6500K [>Ra80]	50000	Steel housing + Polycarbonate diffuser
FIB73800v0-ds/ms	26/52	3100/5900 [3000K] 3400/6400 [4000K/ 6500K]	119/113 [3000K] 131/123 [4000K/6500K]	L1800 x W84 x H68	3000K/4000K/6500K [>Ra80]	50000	Steel housing + Polycarbonate diffuser

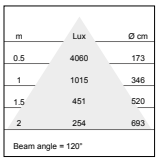
FIB73500v0-ds
FIB73500v0-ds/ms





FIB73600v0-ds
FIB73600v0-ds/ms





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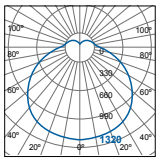
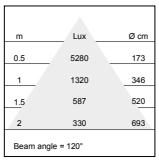
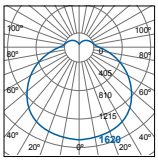
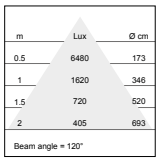




FIB73800v0-ds
FIB73800v0-ds/ms





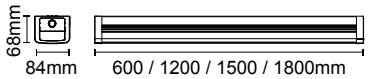
* Operation temperature from -30ºC to +45ºC; White models emergency modular is 0ºC to +35ºC

Integrated LED luminaire

MEGAMAN® FARRON

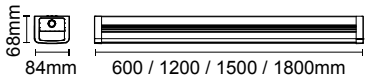
FIB73500v0-ds/em
FIB73600v0-ds/em
FIB73700v0-ds/em
FIB73800v0-ds/em

IP20 | IK04 | Class I | 120°



FIB73500v0-ds/em/ms
FIB73600v0-ds/em/ms
FIB73700v0-ds/em/ms
FIB73800v0-ds/em/ms

IP20 | IK04 | Class I | 120°

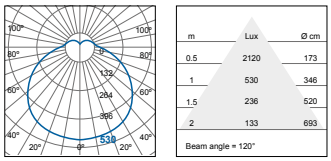


220-240V | λ >0.9

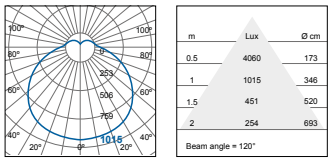
White (WH12)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L80 B10 at Ta25°C	Materials
With Emergency							
FIB73500v0-ds/em	14/25	930/1950 [3000K] 1000/2100 [4000K/6500K]	66/78 [3000K] 71/84 [4000K/6500K]	L600 x W84 x H68	3000K/4000K/6500K [>Ra80]	50000	Steel housing + Polycarbonate diffuser
FIB73600v0-ds/em	24/44	1850/3700 [3000K] 2000/4000 [4000K/ 6500K]	77/84 [3000K] 83/91 [4000K/6500K]	L1200 x W84 x H68	3000K/4000K/6500K [>Ra80]	50000	Steel housing + Polycarbonate diffuser
FIB73700v0-ds/em	26/56	2400/4800 [3000K] 2600/5200 [4000K/ 6500K]	92/86 [3000K] 100/93 [4000K/6500K]	L1500 x W84 x H68	3000K/4000K/6500K [>Ra80]	50000	Steel housing + Polycarbonate diffuser
FIB73800v0-ds/em	30/56	3100/5900 [3000K] 3400/6400 [4000K/ 6500K]	103/105 [3000K] 113/114 [4000K/6500K]	L1800 x W84 x H68	3000K/4000K/6500K [>Ra80]	50000	Steel housing + Polycarbonate diffuser
With Microwave Sensor							
FIB73500v0-ds/em/ms	14/25	930/1950 [3000K] 1000/2100 [4000K/6500K]	66/78 [3000K] 71/84 [4000K/6500K]	L600 x W84 x H68	3000K/4000K/6500K [>Ra80]	50000	Steel housing + Polycarbonate diffuser
FIB73600v0-ds/em/ms	24/44	1850/3700 [3000K] 2000/4000 [4000K/ 6500K]	77/84 [3000K] 83/91 [4000K/6500K]	L1200 x W84 x H68	3000K/4000K/6500K [>Ra80]	50000	Steel housing + Polycarbonate diffuser
FIB73700v0-ds/em/ms	26/56	2400/4800 [3000K] 2600/5200 [4000K/ 6500K]	92/86 [3000K] 100/93 [4000K/6500K]	L1500 x W84 x H68	3000K/4000K/6500K [>Ra80]	50000	Steel housing + Polycarbonate diffuser
FIB73800v0-ds/em/ms	30/56	3100/5900 [3000K] 3400/6400 [4000K/ 6500K]	103/105 [3000K] 113/114 [4000K/6500K]	L1800 x W84 x H68	3000K/4000K/6500K [>Ra80]	50000	Steel housing + Polycarbonate diffuser

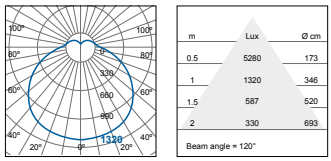
FIB73500v0-ds/em
FIB73500v0-ds/em/ms



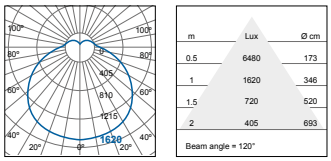
FIB73600v0-ds/em
FIB73600v0-ds/em/ms



FIB73700v0-ds/em
FIB73700v0-ds/em/ms



FIB73800v0-ds/em
FIB73800v0-ds/em/ms



* Operation temperature from -30°C to +45°C; White models emergency modular is 0°C to +35°C

Integrated LED luminaire

MEGAMAN® GARRON

essentials MEGAMAN®
+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +

Integrated LED luminaire

MEGAMAN® GARRON

MEGAMAN® GARRON

Integrated LED batten

MEGAMAN® GARRON is an ideal replacement for conventional indoor batten with optional features of built in microwave sensor and 3 hours emergency kit to provide functional flexibility as a solution for general lighting that provide quality of light.

Features

- Replacement for conventional indoor batten
- Built in Microwave sensor and emergency kit provide a consistent outlook with standard version
- 4 different length 600mm, 1200mm, 1500mm and 1800mm
- Easy installation and Tool-less wiring
- Sensor and Emergency options available
- Capable to mount in UK Beza box

IP20 | Microwave Motion Sensor | 3h | 110° | 30000 hrs | Flicker free

Applications

- Residential lighting
- Schools
- Factories
- Corridors
- Warehouses

Integrated LED luminaire

MEGAMAN® GARRON

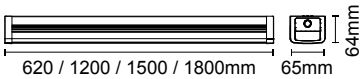
FIB76200v0
FIB76300v0
FIB76400v0
FIB76500v0

FIB76200v0-ms
FIB76300v0-ms
FIB76400v0-ms
FIB76500v0-ms

FIB76200v0-em
FIB76300v0-em
FIB76400v0-em
FIB76500v0-em

FIB76200v0-em/ms
FIB76300v0-em/ms
FIB76400v0-em/ms
FIB76500v0-em/ms

110° IP20



220-240V λ >0.9

White (WH12)

Single Tube Replacement

Model No.	Wattage (W)	Luminous Flux (lm)	Efficiency (lm/W)	Colour Temp. (CRI)	Beam Angle (°)	Dimension (mm)	Rated Life @L70B50 @ Ta25°C (hrs)	Materials
Standard Version								
FIB76200v0	10	1200	120	4000K [≥80]	110	L620 x W64 x H65	30000	Metal housing + PC diffuser
FIB76300v0	20	2400	120	4000K [≥80]	110	L1200 x W64 x H65	30000	Metal housing + PC diffuser
FIB76400v0	30	3600	120	4000K [≥80]	110	L1500 x W64 x H65	30000	Metal housing + PC diffuser
FIB76500v0	40	4800	120	4000K [≥80]	110	L1800 x W64 x H65	30000	Metal housing + PC diffuser
With Microwave Sensor								
FIB76200v0-ms	11	1200	109	4000K [≥80]	110	L620 x W64 x H65	30000	Metal housing + PC diffuser
FIB76300v0-ms	21	2400	114	4000K [≥80]	110	L1200 x W64 x H65	30000	Metal housing + PC diffuser
FIB76400v0-ms	31	3600	116	4000K [≥80]	110	L1500 x W64 x H65	30000	Metal housing + PC diffuser
FIB76500v0-ms	41	4800	117	4000K [≥80]	110	L1800 x W64 x H65	30000	Metal housing + PC diffuser
With Emergency								
FIB76200v0-em	11	1200	109	4000K [≥80]	110	L620 x W64 x H65	30000	Metal housing + PC diffuser
FIB76300v0-em	21	2400	114	4000K [≥80]	110	L1200 x W64 x H65	30000	Metal housing + PC diffuser
FIB76400v0-em	31	3600	116	4000K [≥80]	110	L1500 x W64 x H65	30000	Metal housing + PC diffuser
FIB76500v0-em	41	4800	117	4000K [≥80]	110	L1800 x W64 x H65	30000	Metal housing + PC diffuser
With Microwave Sensor and Emergency								
FIB76200v0-em/ms	12	1200	100	4000K [≥80]	110	L620 x W64 x H65	30000	Metal housing + PC diffuser
FIB76300v0-em/ms	22	2400	109	4000K [≥80]	110	L1200 x W64 x H65	30000	Metal housing + PC diffuser
FIB76400v0-em/ms	32	3600	113	4000K [≥80]	110	L1500 x W64 x H65	30000	Metal housing + PC diffuser
FIB76500v0-em/ms	42	4800	114	4000K [≥80]	110	L1800 x W64 x H65	30000	Metal housing + PC diffuser

MEGAMAN® GARRON

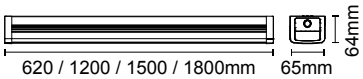
FIB76200v1
FIB76300v1
FIB76400v1
FIB76500v1

FIB76200v1-ms
FIB76300v1-ms
FIB76400v1-ms
FIB76500v1-ms

FIB76200v1-em
FIB76300v1-em
FIB76400v1-em
FIB76500v1-em

FIB76200v1-em/ms
FIB76300v1-em/ms
FIB76400v1-em/ms
FIB76500v1-em/ms

110° IP20



220-240V λ >0.9

White (WH12)

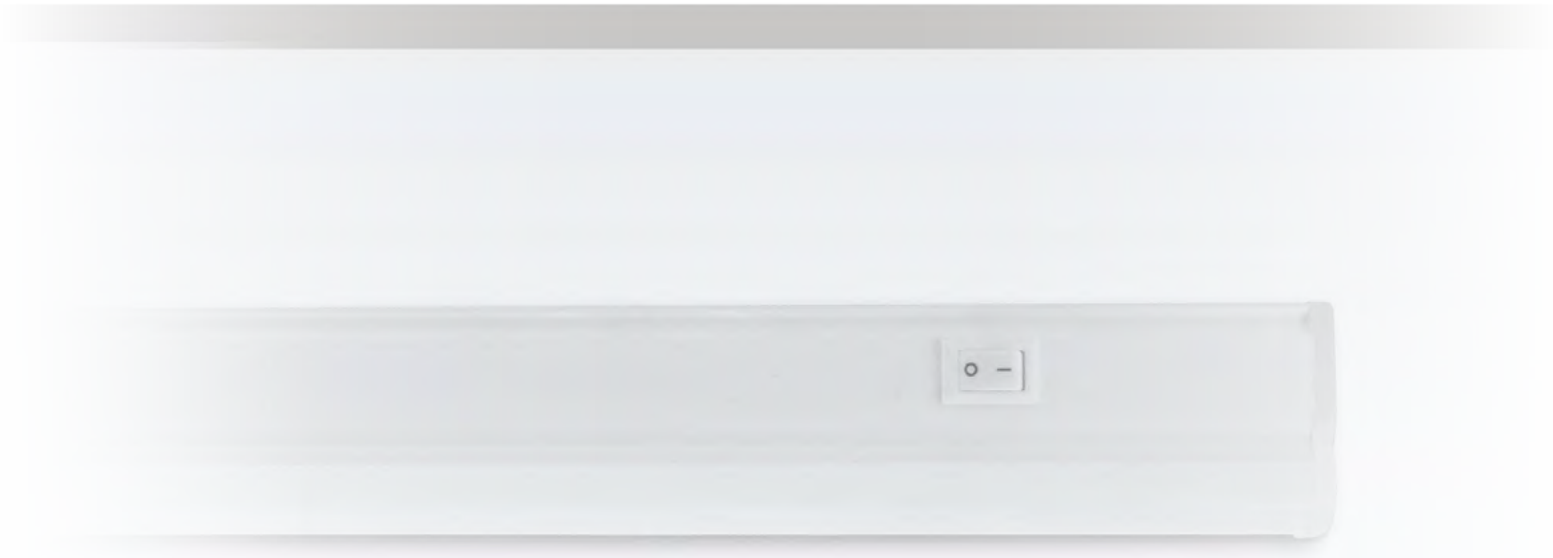
Double Tube Replacement

Model No.	Wattage (W)	Luminous Flux (lm)	Efficiency (lm/W)	Colour Temp. (CRI)	Beam Angle (°)	Dimension (mm)	Rated Life @L70B50 @ Ta25°C (hrs)	Materials
Standard Version								
FIB76200v1	17	2040	120	4000K [≥80]	110	L620 x W64 x H65	30000	Metal housing + PC diffuser
FIB76300v1	40	4800	120	4000K [≥80]	110	L1200 x W64 x H65	30000	Metal housing + PC diffuser
FIB76400v1	60	7200	120	4000K [≥80]	110	L1500 x W64 x H65	30000	Metal housing + PC diffuser
FIB76500v1	65	7800	120	4000K [≥80]	110	L1800 x W64 x H65	30000	Metal housing + PC diffuser
With Microwave Sensor								
FIB76200v1-ms	18	2040	113	4000K [≥80]	110	L620 x W64 x H65	30000	Metal housing + PC diffuser
FIB76300v1-ms	41	4800	117	4000K [≥80]	110	L1200 x W64 x H65	30000	Metal housing + PC diffuser
FIB76400v1-ms	61	7200	118	4000K [≥80]	110	L1500 x W64 x H65	30000	Metal housing + PC diffuser
FIB76500v1-ms	66	7800	118	4000K [≥80]	110	L1800 x W64 x H65	30000	Metal housing + PC diffuser
With Emergency								
FIB76200v1-em	18	2040	113	4000K [≥80]	110	L620 x W64 x H65	30000	Metal housing + PC diffuser
FIB76300v1-em	41	4800	117	4000K [≥80]	110	L1200 x W64 x H65	30000	Metal housing + PC diffuser
FIB76400v1-em	61	7200	118	4000K [≥80]	110	L1500 x W64 x H65	30000	Metal housing + PC diffuser
FIB76500v1-em	66	7800	118	4000K [≥80]	110	L1800 x W64 x H65	30000	Metal housing + PC diffuser
With Microwave Sensor and Emergency								
FIB76200v1-em/ms	19	2040	107	4000K [≥80]	110	L620 x W64 x H65	30000	Metal housing + PC diffuser
FIB76300v1-em/ms	42	4800	114	4000K [≥80]	110	L1200 x W64 x H65	30000	Metal housing + PC diffuser
FIB76400v1-em/ms	62	7200	116	4000K [≥80]	110	L1500 x W64 x H65	30000	Metal housing + PC diffuser
FIB76500v1-em/ms	67	7800	116	4000K [≥80]	110	L1800 x W64 x H65	30000	Metal housing + PC diffuser

Integrated LED luminaire

MEGAMAN® PINOLITE 2

essentials MEGAMAN®
+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +



Integrated LED luminaire

MEGAMAN® PINOLITE 2

MEGAMAN® PINOLITE 2

Integrated LED batten

MEGAMAN® PINOLITE 2 is the right choice for recessed wall wash, display shelf lighting and concealed linear lighting applications. The integrated LED linear tube design with high system luminous efficacy of up to 134lm/W is a true replacement for traditional T5 battens.

Features

- Energy saving LED linear batten to replace conventional T5 Batten
- Tool-less installation. Plug-and-play connection
- Long life, low maintenance cost
- Durable and economical solution
- Offers various lengths for flexible solutions: 0.3m, 0.6m, 0.9m, 1.2m and 1.5m
- Integrated connector makes allows easy in line connection for continuous runs
- Translucent end caps reduce dark zones
- Built in ON/OFF switch
- Accessories included: patch cord, mounting clips, power cord and continuous connector
- Optional accessories: adjustable mounting clips can be adjustable 90° with adjustable mounting clips

Translucent end-cap design that eliminates the dark zone between the batten connections

Extension connector

15cm patch cord to cater angular connection

IP20 | Flicker free | λ >0.9 | 30000 hrs

Applications

- Shops and boutiques
- Display shelves
- Wall lighting
- Light troughs
- Offices

Default accessories:

Extension connector x 1, raw plug x 1 and mounting kit (mounting clips x 2, screws x 2, expansion screws x 2)

Optional accessories:

LA8126
Adjustable mounting clip

LA8132
15cm Patch cord

LA8130
1.8m EU plug Power cord

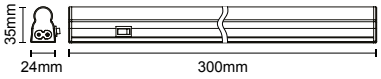
LA8131
1.8m UK plug Power cord

Integrated LED luminaire

MEGAMAN® PINOLITE 2

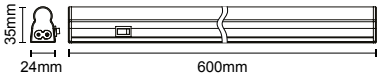
FIB75500v0

IP20 | Class II | Flicker Free



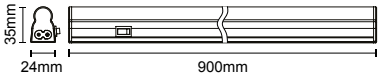
FIB75600v0

IP20 | Class II | Flicker Free



FIB75700v0

IP20 | Class II | Flicker Free

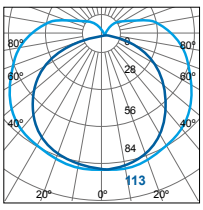


220-240V

White (WH13)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Power Factor (λ)	Rated Life at L70 B50 at Ta25°C (hrs)	Material
FIB75500v0	5	550 [3000K] 600 [4000K / 6500K]	110 [3000K] 120[4000K / 6500K]	150	L300 x W24 x H35	3000K / 4000K / 6500K	>0.9	30000	Polycarbonate housing + Polycarbonate diffuser
FIB75600v0	9	1000 [3000K] 1100 [4000K / 6500K]	111 [3000K] 122 [4000K / 6500K]	150	L600 x W24 x H35	3000K / 4000K / 6500K	>0.9	30000	Polycarbonate housing + Polycarbonate diffuser
FIB75700v0	13	1500 [3000K] 1650 [4000K / 6500K]	115 [3000K] 127 [4000K / 6500K]	150	L900 x W24 x H35	3000K / 4000K / 6500K	>0.9	30000	Polycarbonate housing + Polycarbonate diffuser

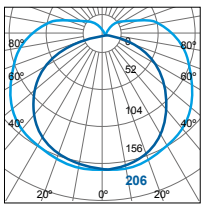
FIB75500v0 (3000K)



m	Lux	Ø cm
0.5	452	373
1	113	746
1.5	50	1120
2	28	1493

Beam angle = 150°

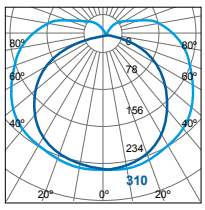
FIB75600v0 (3000K)



m	Lux	Ø cm
0.5	824	373
1	206	746
1.5	92	1120
2	52	1493

Beam angle = 150°

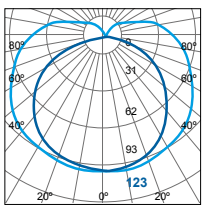
FIB75700v0 (3000K)



m	Lux	Ø cm
0.5	1240	373
1	310	746
1.5	138	1120
2	78	1493

Beam angle = 150°

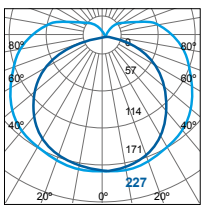
FIB75500v0 (4000K / 6500K)



m	Lux	Ø cm
0.5	492	373
1	123	746
1.5	55	1120
2	31	1493

Beam angle = 150°

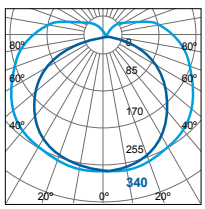
FIB75600v0 (4000K / 6500K)



m	Lux	Ø cm
0.5	908	373
1	227	746
1.5	101	1120
2	57	1493

Beam angle = 150°

FIB75700v0 (4000K / 6500K)



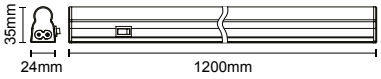
m	Lux	Ø cm
0.5	1360	373
1	340	746
1.5	151	1120
2	85	1493

Beam angle = 150°

MEGAMAN® PINOLITE 2

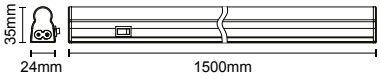
FIB75800v0

IP20 | Class II | Flicker Free



FIB75900v0

IP20 | Class II | Flicker Free

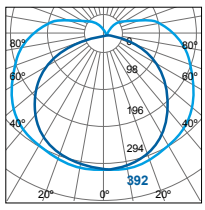


220-240V

White (WH13)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Power Factor (λ)	Rated Life at L70 B50 at Ta25°C (hrs)	Material
FIB75800v0	16	1900 [3000K] 2150 [4000K / 6500K]	119 [3000K] 134 [[4000K / 6500K]	150	L1200 x W24 x H35	3000K / 4000K / 6500K	>0.9	30000	Polycarbonate housing + Polycarbonate diffuser
FIB75900v0	21	2400 [3000K] 2600 [4000K / 6500K]	114 [3000K] 124 [4000K / 6500K]	150	L1500 x W24 x H35	3000K / 4000K / 6500K	>0.9	30000	Polycarbonate housing + Polycarbonate diffuser

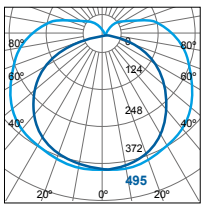
FIB75800v0 (3000K)



m	Lux	Ø cm
0.5	1568	373
1	392	746
1.5	174	1120
2	98	1493

Beam angle = 150°

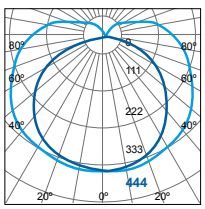
FIB75900v0 (3000K)



m	Lux	Ø cm
0.5	1980	373
1	495	746
1.5	220	1120
2	124	1493

Beam angle = 150°

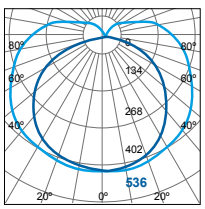
FIB75800v0 (4000K / 6500K)



m	Lux	Ø cm
0.5	1776	373
1	444	746
1.5	197	1120
2	111	1493

Beam angle = 150°

FIB75900v0 (4000K / 6500K)



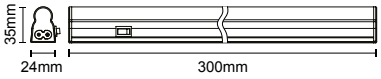
m	Lux	Ø cm
0.5	2144	373
1	536	746
1.5	238	1120
2	134	1493

Beam angle = 150°

MEGAMAN® PINOLITE 2

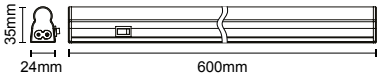
FIB75500v1-pt

IP20 | Class II | Flicker Free



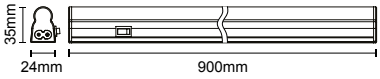
FIB75600v1-pt

IP20 | Class II | Flicker Free



FIB75600v1-pt

IP20 | Class II | Flicker Free



220-240V

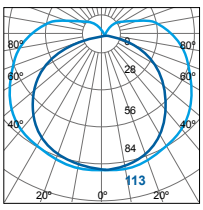
White (WH13)

Plant Lamp

Model No.	Wattage (W)	Photon Flux (µmol/s)	Photon Flux / watt (µmol/J)	Beam Angle (°)	Dimension (mm)	Rated Lifetime L70B50@Ta25°C	IP Rating	Material
FIB75500v1-pt	5	10*	2*	150	L300 x W24 x H35	30000	IP20	Polycarbonate housing + Polycarbonate diffuser
FIB75600v1-pt	9	18*	2*	150	L600 x W24 x H35	30000	IP20	Polycarbonate housing + Polycarbonate diffuser
FIB75800v1-pt	16	32*	2*	150	L1200 x W24 x H35	30000	IP20	Polycarbonate housing + Polycarbonate diffuser

* Preliminary data

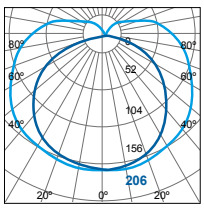
FIB75500v1-pt



m	Lux	Ø cm
0.5	452	373
1	113	746
1.5	50	1120
2	28	1493

Beam angle = 150°

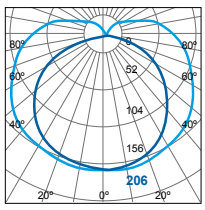
FIB75600v1-pt



m	Lux	Ø cm
0.5	824	373
1	206	746
1.5	92	1120
2	52	1493

Beam angle = 150°

FIB75800v1-pt



m	Lux	Ø cm
0.5	824	373
1	206	746
1.5	92	1120
2	52	1493

Beam angle = 150°

PINOLITE 2 Plant Lamp

- Different lengths (0.3m / 0.6m / 1.2m) of battens available for various horticulture applications
- Energy saving with high efficacy of up to 2.0µmol/J
- Offer the most suitable illumination intensity and photosynthetically active region (PAR) in deep blue 450nm and hyper red 660nm that the crops need for photosynthesis
- Excellent light uniformity to shorten the production cycle by enhancing the seeding rate and survival rate, as a result of achieving a higher return of each crop
- Suitable for tomato, cabbage, baby leaf lettuce, kale plants, lettuce, green onions, etc.

Integrated LED luminaire

MEGAMAN® FORD

essentials MEGAMAN®
+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +

MEGAMAN® FORD

Integrated LED batten

MEGAMAN® FORD is the ideal batten choice for true replacements of traditional T5 and T8 with up to 44% energy saving, providing high quality lighting in designated area.

Features

- Compact design, Integrated driver with built-in LED that facilitates easy installation and servicing
- Loop through connection enhancing the flexibility of installations
- Surface-mounted or wire suspension options available

λ >0.9

120°

Applications

- Residential lighting
- Factories
- Corridors
- Warehouses

Integrated LED luminaire

MEGAMAN® FORD

FIB74100v0 / FIB74200v0
FIB74300v0

λ >0.9 | Class II

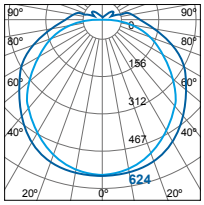
Ø600/1200/1500mm 58mm

220-240V | IP20

Silver (SV16)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Material
FIB74100v0	30	2400	80	120	L600 x W58 x H46	3000K / 4000K / 6500K	25000	Polycarbonate
FIB74200v0	45	3600	80	120	L1200 x W58 x H46	3000K / 4000K / 6500K	25000	Polycarbonate
FIB74300v0	60	4800	80	120	L1500 x W58 x H46	3000K / 4000K / 6500K	25000	Polycarbonate

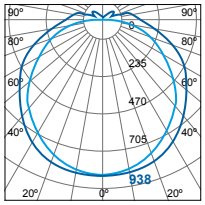
FIB74100v0 (3000K)



m	Lux	Ø cm
0.5	2496	173
1	624	346
1.5	277	520
2	156	693

Beam angle = 120°

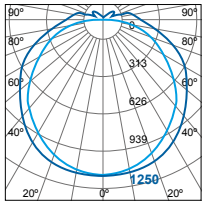
FIB74200v0 (3000K)



m	Lux	Ø cm
0.5	3752	173
1	938	346
1.5	417	520
2	235	693

Beam angle = 120°

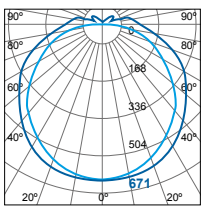
FIB74300v0 (3000K)



m	Lux	Ø cm
0.5	5000	173
1	1250	346
1.5	556	520
2	313	693

Beam angle = 120°

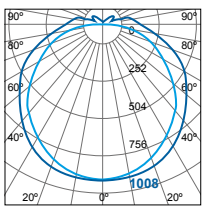
FIB74100v0 (4000K, 6500K)



m	Lux	Ø cm
0.5	2684	173
1	671	346
1.5	298	520
2	168	693

Beam angle = 120°

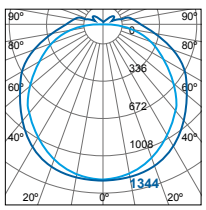
FIB74200v0 (4000K, 6500K)



m	Lux	Ø cm
0.5	4032	173
1	1008	346
1.5	448	520
2	252	693

Beam angle = 120°

FIB74300v0 (4000K, 6500K)



m	Lux	Ø cm
0.5	5376	173
1	1344	346
1.5	597	520
2	336	693

Beam angle = 120°

MEGAMAN® MILO

essentials MEGAMAN®
+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +

Integrated LED luminaire

MEGAMAN® MILO

MEGAMAN® MILO

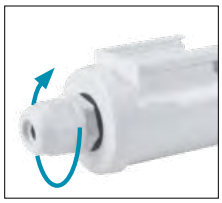
Integrated Waterproof Batten

MEGAMAN® MILO is a cost-effective and reliable LED batten minimizing the initial investment. It comes with sliding stainless steel clips for easy and tool-less installation. MEGAMAN® MILO is an ideal luminaire for applications such as car parks and warehouses, while delivering a significant lighting performance.

Features

- Light in weight and compact slim profile of batten delivers easy and quick installation
- Designed for both indoor or moisture environments
- IP65 protection against water ingress
- High impact resistant of IK08
- Diffused and uniformed light
- Sliding stainless steel clips make surface mounted installation simple, quick and neat
- Withstand in high working temperature up to 50°C with operating temperature from -30°C to +50°C
- Low flickering ≤ 8%

Tool-less wiring



Flicker free | IP65 | IK08

Applications

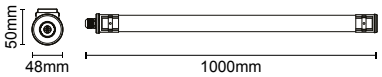
- Household garage
- Car parks
- Workshops
- Underground areas

Integrated LED luminaire

MEGAMAN® MILO

FOB77300v0

IP65 | IK08 | Class II | Flicker Free

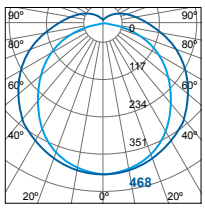


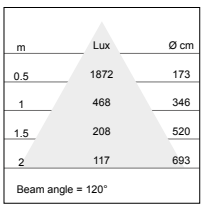
220-240V

White (WH26)

Model No.	Wattage (W)	Luminous Flux (lm)	Lm/W	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70B50 at Ta25°C (hrs)	Materials
FOB77300v0	21	1800	86	120	L1030 x W48 x H56	4000K (≥80)	15000	Polycarbonate

FOB77300v0



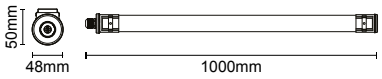


Integrated LED luminaire

MEGAMAN® MILO

FOB77300v1-pt
FOB77300v1-pt+LA8142

IP65 | IK03 | Class II | Flicker Free



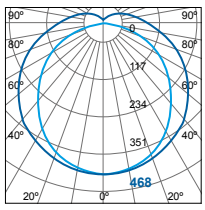
220-240V

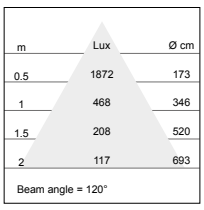
White (WH26)

Plant Lamp

Model No.	Wattage (W)	Photon Flux (µmol/s)	Photon Flux / watt (µmol/J)	Beam Angle (°)	Dimension (mm)	Rated Lifetime L70B50@Ta25°C	Material
FOB77300v1-pt	19	36	2.0	120	L1000 x W48 x H50	25,000	Polycarbonate
FOB77300v1-pt +LA8142	19	36	2.0	120	L1000 x W48 x H50	25,000	Polycarbonate

FOB77300v1-pt
FOB77300v1-pt +LA8142





MILO Plant Lamp

- MILO Plant lamp version available for various horticulture applications
- Energy saving with high efficacy of up to 2.0µmol/J
- Offer the most suitable illumination intensity and photosynthetically active region (PAR) in deep blue 450nm and hyper red 660nm that the crops need for photosynthesis
- Excellent light uniformity to shorten the production cycle by enhancing the seeding rate and survival rate, as a result of achieving a higher return of each crop
- Suitable for tomato, cabbage, baby leaf lettuce, kale plants, lettuce, green onions, etc.

Accessories:

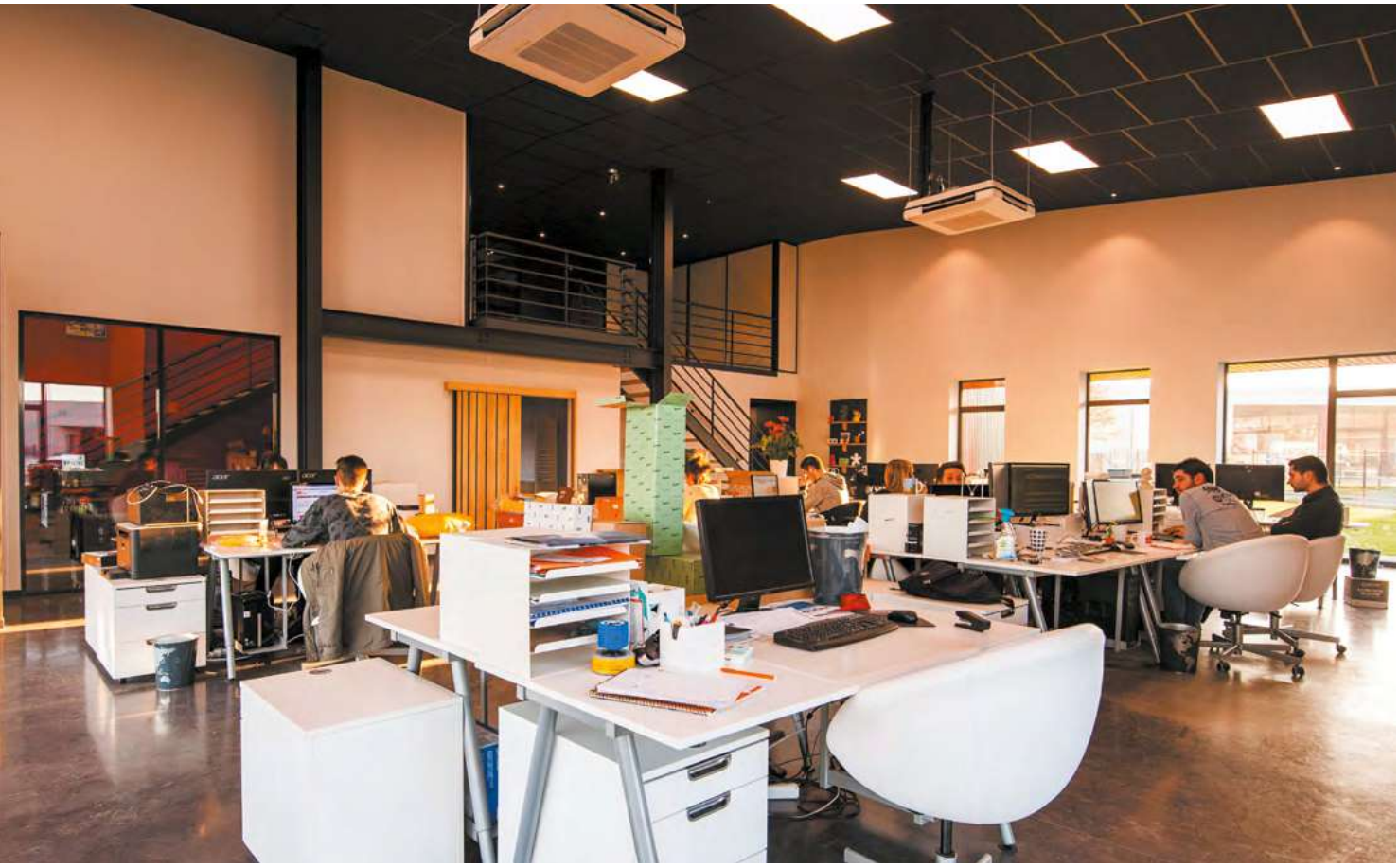
LA8142
1.8M cable with EU plug

Integrated LED luminaire

MEGAMAN® BERTO SIDELIT

Integrated LED luminaire

MEGAMAN® BERTO SIDELIT



MEGAMAN® BERTO SIDELIT

LED Panel

MEGAMAN® BERTO is an ultra slim integrated lighting solution that facilitates easy installation and maintenance. It delivers luminous efficacy at 100lm/W – matching the lighting levels of 3 x 18W T8 and 3 x 24W HE T5 fluorescent modular fittings.

These luminaires have a long life and provide uniform light distribution for general lighting applications. The prismatic diffuser option with Unified Glare Rating (UGR) of ≤19 offers a high level of visual comfort and avoids fatigue to the eyes, ideal for use in offices, classrooms and corridors.

Features

- Slim integrated panel lighting design facilitates easy installation and maintenance
- Efficacy at 100lm/W
- High uniformity of Light that delivers wide light and uniform panel
- Equipped with flicker free driver in both options UGR≤19 and UGR≤22 avoid eye strain & discomfort
- Mircoprismatic diffuser options with UGR≤19, less glare to provide visual comfort
- Enhance product reliability which are manufactured by fully automatic assembly line
- Screwless assembly design which can reach IP40 rating
- Driver with loop through function to further enhance ease of installation
- Excellent quality of light guide panel materials deliver excellent lumen output throughout product life
- Easy Plug & Play connector
- Ceiling frame and surface mounting kits to cater different installation methods

Flicker Free | UGR ≤19 | 50000 hrs

Applications

- Conference rooms
- Offices
- Classrooms
- Corridors

Flicker Free Performance

Other LED panel with flicker

BERTO LED panel with flicker free and uniform lighting distribution

Screwless Assembly Design

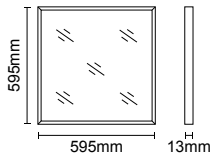
Screwless design which reach IP40 rating

Integrated LED luminaire

MEGAMAN® BERTO SIDELIT

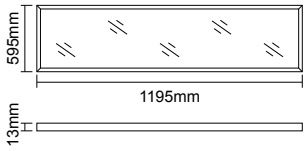
FPL70300v1ex+LD226036-C0950

IP20/IP40 | Class II | UGR ≤19 | 90° | Flicker Free



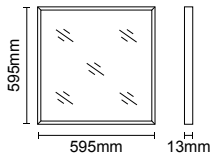
FPL70700v1-ex+LD226036-C0950

IP20/IP40 | Class II | UGR ≤19 | 90° | Flicker Free



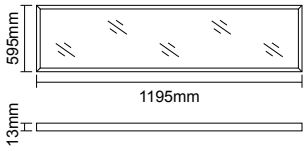
FPL70400v3-ex+LD226036-C0950
FPL70400v4-ex/tb+LD230036/mc-C0950

IP20/IP40 | Class II | UGR ≤19 | 110° | Flicker Free



FPL70500v1-ex+LD226036-C0950
FPL72800v0-ex/tb+LD227054-C1300

IP20/IP40 | Class II | UGR ≤19 | 110° | Flicker Free



220-240V

White (WH26)

Model No.	Input Current (mA)	Luminaire Wattage (W)	System Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life (hrs)	Materials
UGR≤19										
FPL70300v1-ex+LD226036-C0950	950	32.4	36	3350 [3000K] 3600 [4000K/6500K]	93 [3000K] 100 [4000K/6500K]	90	W595 x L595 x H13	3000K/4000K/6500K [Ra80]	50,000hrs L80B10@ Ta25°C	Aluminum housing + PMMA LGP
FPL70700v1-ex+LD226036-C0950	950	32.4	36	3350 [3000K) 3600 [4000K/6500K)	93 [3000K] 100 [4000K/6500K]	90	W1195 x L595 x H13	3000K/4000K/6500K [Ra80]	50,000hrs L80B10@ Ta25°C	Aluminium housing + PMMA LGP
UGR≤22										
FPL70400v3-ex+LD226036-C0950	950	32.4	36	3350 [3000K] 3600 [4000K/6500K)	93 [3000K] 100 [4000K/6500K]	110	W595 x L595 x H13	3000K/4000K/6500K [Ra80]	50000 (L70 B50@ Ta25°C)	Aluminium housing + PS
FPL70500v1-ex+LD226036-C0950	950	32.4	36	3350 3000K] 3600 [4000K/6500K]	93 [3000K] 100 [4000K/6500K]	110	W1195 x L595 x H13	3000K/4000K/6500K [Ra80]	50000 (L70 B50@ Ta25°C)	Aluminium housing + PS
FPL70400v4-ex/tb+LD230036/mc-C0950	950	36	36	3350 [3000K] 3600 [4000K/6500K]	93 [3000K] 100 [4000K/6500K]	110	W595 x L595 x H13	3000K/4000K/6500K [Ra80]	50000 (L70 B50@ Ta25°C)	Aluminium housing + PS
FPL72800v0-ex/tb+LD227054-C1300	1300	50	54	5000 [4000K/6500K]	100 [4000K/6500K]	110	W1195 x L595 x H13	3000K/4000K/6500K [Ra80]	50000 (L70 B50@ Ta25°C)	Aluminium housing + PS

Accessory

LA6039
Loopthrough adaptor for LD230036/mc-C0950 LD226036-C0750

LA10139
Surface Mounting frame 600 x 600mm

LA10140
Surface Mounting frame 620 x 620mm

LA10141
Surface Mounting frame 1200 x 300mm

LA10120
Safety kit, including 1.0m safety cable x1
V shape hooker x1
Screw ST4*9 x2

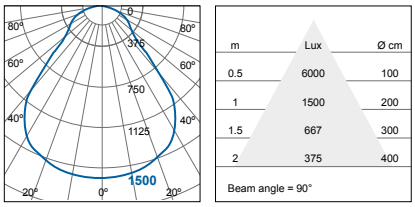
LA10121
Suspension kit, including 1.8m Type I cable x4
V shape hooker x4
Screw ST4*9 x8

Integrated LED luminaire

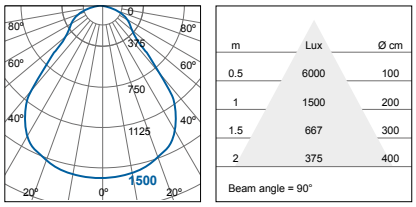
MEGAMAN® BERTO SIDELIT

BERTO SIDELIT Photometric Data

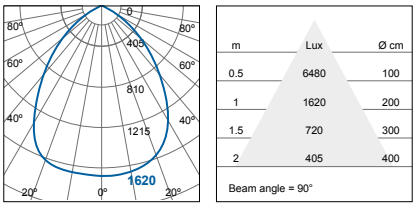
FPL70300v1ex+LD226036-C0950



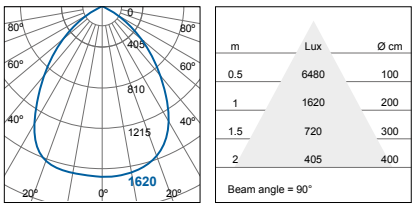
FPL70400v3-ex+LD226036-C0950



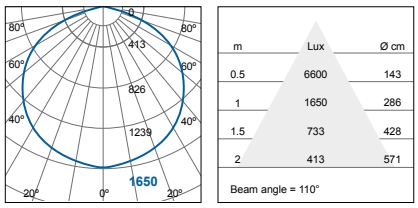
FPL70500v1-ex+LD226036-C0950



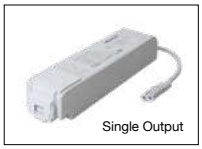
FPL70700v1-ex+LD226036-C0950



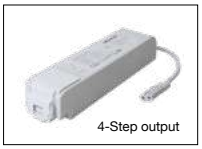
FPL72800v0-ex/tb+LD227054-C1300



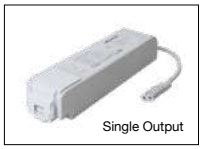
LD226036-C0950



LD230036/mc-C0950



LD227054-C1300



LD232037/da/mc-C0950

Driver Model	Main Voltage Input	Output Current (Constant) (mA)	Output Voltage Range (V)	System Power	Power Factor	Dimmability	Dimension (mm)	Cable Thickness Range (mm²)
LD226036-C0950	220-240 VAC	950	30-45	36	>0.9	Non-dimmable	L177.5 x W34 XH29	2 x (0.75 - 1.5mm2)
LD230036/mc-C0950	220-240 VAC	950/850/750/650	30-39	36/33/29/25	>0.9	Non-dimmable	L176 x W42.5 x H32	2 x (0.75 - 1.5mm2)
LD227054-C1300	220-240 VAC	1300	30-42	54	>0.9	Non-dimmable	L235 x W42.5 x H32	2 x (0.75 - 1.5mm2)
LD232037/da/mc-C0950	220-240 VAC	950	30-39	37	>0.9	DALI 2.0	L200 x W64 x H32	5 x (0.75 - 2.5mm2)

MEGAMAN® ESTELA 2

Integrated LED luminaire

MEGAMAN® ESTELA 2

MEGAMAN® ESTELA 2

LED Panel

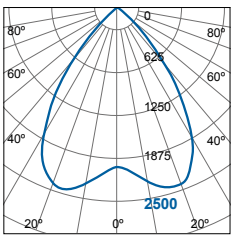
Flicker free | UGR ≤19 | Up to 120 lm/W | 50000 hrs

Features

- Perfect solution for office lighting with new generation of LED louvre panel
- Special double asymmetric optics deliver high level of uniformity of light in a workplace
- Exchangeable clipped-in LED modules offer flexibility to satisfy customers' requirement (e.g.: change of CCT, CRI, etc.) with short lead time
- External driver offers the flexible compatibility with ON/OFF driver with 4 lumen output or DALI dimming
- UGR19 with high cut off angle louvre
- Flicker free
- Long life time 50,000hrs L80B10 at Ta25°C
- Light in weight for easy installation

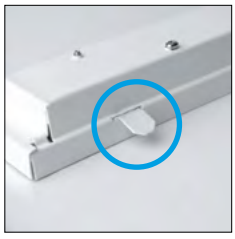
Applications

- Offices
- Department stores
- Schools



Double asymmetric photometric distribution for maximum uniformity

I-beam construction at the back plate for reinforcing the structural robustness and ensuring flatness of panel



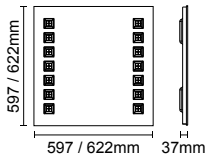
Interlocking system between the LED tray and metal plate

Integrated LED luminaire

MEGAMAN® ESTELA 2

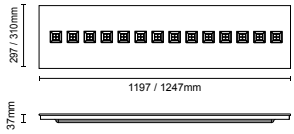
FPL73400v1-ex+LD220036/mc-C0950
FPL73600v1-ex+LD220036/mc-C0950

90° | IP20 | UGR ≤19 | SDCM ≤4 | Flicker Free



FPL73500v1-ex+LD220036/mc-C0950
FPL73700v1-ex+LD220036/mc-C0950

90° | IP20 | UGR ≤19 | SDCM ≤4 | Flicker Free



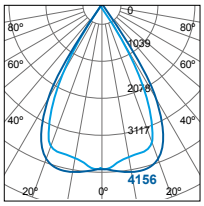
220-240V

White (WH26)

ON/ OFF driver with 4-lumen Output

Model No.	System Wattage (W)	Lumen (lm)	Lm/W	Dimension (mm)	Rated Life at L80 B10 at Ta25°C (hrs)	Materials
FPL73400v1-ex+LD220036/mc-C0950	36/32/28/24	3900/3580/3160/2800 [3000K] 4200/3850/3400/3000 [4000K]	108/112/113/117 [3000K] 117/120/121/125 [4000K]	W597 x L597 x H37	50000	PC/ PMMA Diffuser
FPL73500v1-ex+LD220036/mc-C0950	36/32/28/24	3900/3580/3160/2800 [3000K] 4200/3850/3400/3000 [4000K]	108/112/113/117 [3000K] 117/120/121/125 [4000K]	W297 x L1197 x H37	50000	PC/ PMMA Diffuser
FPL73600v1-ex+LD220036/mc-C0950	36/32/28/24	3900/3580/3160/2800 [3000K] 4200/3850/3400/3000 [4000K]	108/112/113/117 [3000K] 117/120/121/125 [4000K]	W622 x L622 x H37	50000	PC/ PMMA Diffuser
FPL73700v1-ex+LD220036/mc-C0950	36/32/28/24	3900/3580/3160/2800 [3000K] 4200/3850/3400/3000 [4000K]	108/112/113/117 [3000K] 117/120/121/125 [4000K]	W310 x L1247 x H37	50000	PC/ PMMA Diffuser

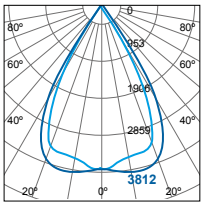
36W
FPL73400v1-ex+LD220036mc-C0950
FPL73500v1-ex+LD220036/mc-C0950
FPL73600v1-ex+LD220036/mc-C0950
FPL73700v1-ex+LD220036/mc-C0950



m	Lux	Ø cm
0.5	16624	77
1	4156	153
1.5	1847	230
2	1039	307

Beam angle = 75°

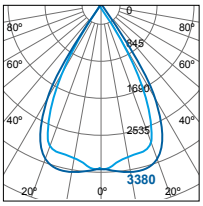
32W
FPL73400v1-ex+LD220036mc-C0950
FPL73500v1-ex+LD220036/mc-C0950
FPL73600v1-ex+LD220036/mc-C0950
FPL73700v1-ex+LD220036/mc-C0950



m	Lux	Ø cm
0.5	16624	77
1	4156	153
1.5	1847	230
2	1039	307

Beam angle = 75°

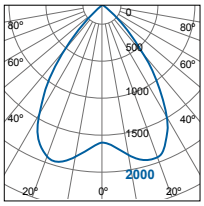
28W
FPL73400v1-ex+LD220036mc-C0950
FPL73500v1-ex+LD220036/mc-C0950
FPL73600v1-ex+LD220036/mc-C0950
FPL73700v1-ex+LD220036/mc-C0950



m	Lux	Ø cm
0.5	13520	77
1	3380	153
1.5	1502	230
2	845	307

Beam angle = 75°

24W
FPL73400v1-ex+LD220036mc-C0950
FPL73500v1-ex+LD220036/mc-C0950
FPL73600v1-ex+LD220036/mc-C0950
FPL73700v1-ex+LD220036/mc-C0950



m	Lux	Ø cm
0.5	11920	77
1	2980	153
1.5	1324	230
2	745	307

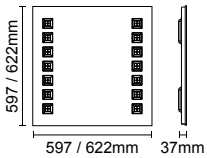
Beam angle = 75°

Integrated LED luminaire

MEGAMAN® ESTELA 2

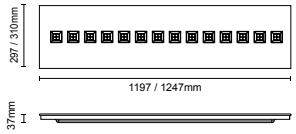
FPL73400v1-ex+LD232037/da/mc-C0950
FPL73600v1-ex+LD232037/da/mc-C0950

90° IP20 UGR ≤19 SDCM ≤4 Flicker Free DALI



FPL73500v1-ex+LD232037/da/mc-C0950
FPL73700v1-ex+LD232037/da/mc-C0950

90° IP20 UGR ≤19 SDCM ≤4 Flicker Free DALI



220-240V

White (WH26)

DALI Driver

Model No.	System Wattage (W)	Lumen (lm)	Lm/W	Dimension (mm)	Rated Life at L80 B10 at Ta25°C (hrs)	Materials
FPL73400v1-ex+LD232037/da/mc-C0950	36	3900 [3000K] 4200 [4000K/ 6500K]	108 [3000K] 117 [4000K]	W597 x L597 x H37	50000	PC/ PMMA Diffuser
FPL73500v1-ex+LD232037/da/mc-C0950	36	3900 [3000K] 4200 [4000K/ 6500K]	108 [3000K] 117 [4000K]	W297 x L1197 x H37	50000	PC/ PMMA Diffuser
FPL73600v1-ex+LD232037/da/mc-C0950	36	3900 [3000K] 4200 [4000K/ 6500K]	108 [3000K] 117 [4000K]	W622 x L622 x H37	50000	PC/ PMMA Diffuser
FPL73700v1ex+LD232037/da/mc-C0950	36	3900 [3000K] 4200 [4000K/ 6500K]	108 [3000K] 117 [4000K]	W310 x L1247 x H37	50000	PC/ PMMA Diffuser

Integrated LED luminaire

MEGAMAN® BERTO BACKLIT

essentials MEGAMAN®
+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +

Integrated LED luminaire

MEGAMAN® BERTO BACKLIT

MEGAMAN® BERTO BACKLIT

LED Panel

MEGAMAN® BERTO BACKLIT is an integrated lighting solution that facilitates easy installation and maintenance. It delivers a high luminous efficacy up to 120lm/W – matching the lighting levels of 3 x 18W T8 and 3 x 24W HE T5 fluorescent modular fittings.

These luminaires have a long life and provide uniform light distribution for general lighting applications. Microprismatic diffuser option with Unified Glare Rating (UGR) of ≤19 offers a high level of visual comfort and avoids fatigue to the eyes, ideal for use in offices, classrooms and corridors.

Features

- Backlit technology offers high uniformity of light output
- Equipped with flicker free driver in both options UGR≤19* and UGR≤22 avoid eye strain & discomfort
- Microprismatic diffuser options with UGR≤19, less glare to provide visual comfort
- Efficacy up to 110lm/W
- TP(a) rated thermoplastic diffuser as an option
- Long lifetime with 50,000hrs L70B50 @Ta 25°C
- Operating temperature -30°C to +45°C
- IP40 rated
- Easy Plug & Play connector
- Loop through adaptor enhance ease of installation

* UGR≤19 valid for 4000K-3600/3200/2800lm, UGR≤20 for 4000lm

Flicker Free | UGR ≤19 | Up to 120 lm/W | 50000 hrs

Applications

- Conference rooms
- Offices
- Classrooms
- Corridors

Flicker Free Performance

Other LED panel with flicker

BERTO LED panel with flicker free and uniform lighting distribution

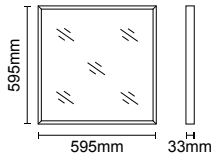
Integrated LED luminaire

MEGAMAN® BERTO BACKLIT

essentials MEGAMAN®
+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +

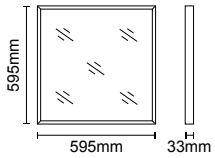
FPL71900v2ex+LD226036-C0800

IP20/IP40 | Class II | UGR ≤19 | 90° | Flicker Free



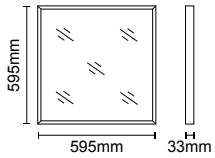
FPL71900v1-ex+LD230036/mc-C0950

IP20/IP40 | Class II | UGR ≤19 | 90° | Flicker Free



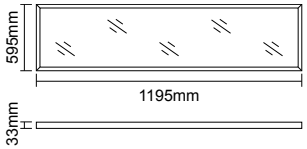
FPL71800v0-ex/ta+LD226036-C0750

IP20/IP40 | Class II | UGR ≤22 | 90° | Flicker Free



FPL73800v0-ex/ta+LD236046-C1100

IP20/IP40 | Class II | UGR ≤22 | 90° | Flicker Free

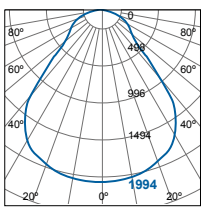


220-240V

White (WH26)

Model No.	Input Current (mA)	Luminaire Wattage (W)	System Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Rated Life (hrs)	Materials
UGR≤19									
FPL71900v2-ex+LD226036-C0800	800	30	36	3350 [3000K] 3600 [4000K/6500K]	112 [3000K] 120 [4000K/6500K)]	90	W595 x L595 x H33	50,000hrs L70B50@Ta25°C	Metal housing + microprismatic diffuser
FPL71900v1-ex+LD230036/mc-C0950	950	32/29/26/23	36/33/29/25	3700/3350/2950/2550 [3000K] 4000/3600/3200/2750 [4000K]	103/102/102/102 [3000K] 111/109/110/110 [4000K/6500K]	90	W595 x L595 x H33	50,000hrs L70B50@Ta25°C	Metal housing + microprismatic diffuser
UGR≤22									
FPL71800v0-ex/ta+LD226036-C0750	750	32.4	36	3350 [3000K] 3600 [4000K/6500K]	93 [3000K] 100 [4000K/6500K]	110	W595 x L595 x H33	50,000hrs L70B50@Ta25°C	Metal housing + PC diffuser
FPL73800v0-ex/ta+LD236046-C1100	1100	43	46	4560 [3000K] 5000 [4000K/6500K]	107 [3000K] 116 [4000K]	110	W1195 x L595 x H33	50,000hrs L70B50@Ta25°C	Metal housing + PC diffuser

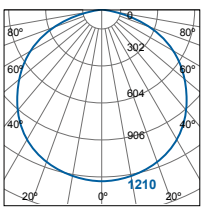
FPL71900v1-ex+LD230036/mc-C0950



m	Lux	Ø cm
0.5	7976	100
1	1994	200
1.5	886	300
2	499	400

Beam angle = 90°

FPL71800v0-ex/ta+LD226036-C0750



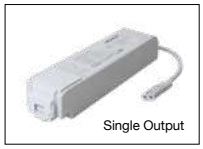
m	Lux	Ø cm
0.5	4840	143
1	1210	286
1.5	538	428
2	303	571

Beam angle = 110°

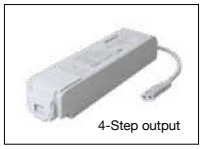
Integrated LED luminaire

MEGAMAN® BERTO BACKLIT

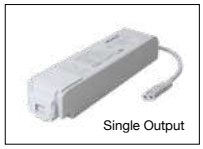
LD226036-C0750



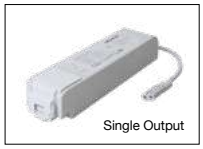
LD226036-C0800



LD236046-C1100



LD230036/mc-C0950



LD232037/da/mc-C0950

Driver Model	Main Voltage Input	Output Current (Constant) (mA)	Output Voltage Range (V)	System Power	Power Factor	Dimmability	Dimension (mm)	Cable Thickness Range (mm^2)
LD226036-C0750	220-240 VAC	750	42	36	>0.9	Non-dimmable	L178 x W35 x H29	2 x (0.75 - 1.5mm2)
LD226036-C0800	220-240 VAC	800	30-45	36	>0.9	Non-dimmable	L177.5 x W34 XH29	2 x (0.75 - 1.5mm2)
LD236046-C1100	220-240 VAC	1100	55	46	>0.9	Non-dimmable	L235 x W43 H33	2 x (0.75 - 1.5mm2)
LD230036/mc-C0950	220-240 VAC	950/850/750/650	30-39	36/33/29/25	>0.9	Non-dimmable	L176 x W42.5 x H32	2 x (0.75 - 1.5mm2)
LD232037/da/mc-C0950	220-240 VAC	950	30-39	37	>0.9	DALI 2.0	L200 x W64 x H32	5 x (0.75 - 2.5mm2)

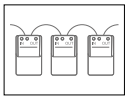
Accessory

LA6039
Loopthrough adaptor for
LD230036/mc-C0950
LD226036-C0750

LA10120
Safety kit, including 1.0m
safety cable x1
V shape hooker x1
Screw ST4*9 x2

LA10121
Suspension kit, including
1.8m Type I cable x4
V shape hooker x4
Screw ST4*9 x8

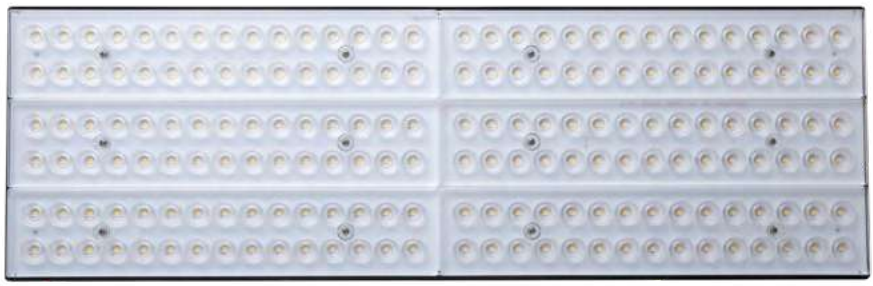
LA8107
Surface mount frame
595 x 595mm



Loop through wiring

Integrated LED luminaire

MEGAMAN® XAVIER



Integrated LED luminaire

MEGAMAN® XAVIER

MEGAMAN® XAVIER

LED Track Panel

Lighting play an important role in retail atmosphere to attract customers. MEGAMAN® Xavier is a complete Track system especially design for shop and retail application. Thanks for the optimized LED system and modular optics design, Xavier delivers up to 9600lm with variety beam angle to ensure the perfect light distribution and uniformity on the aisle between shelves to enhance the shopping experience. 3-phase track mounting system provide high efficiency on installation and high flexibility for repositioning along the track.

Features

- Modular optic system offers the flexibility for the beam angle
- Double Asymmetrical & lambertian distribution
- The optics modules design for "ready to change", it enhance the flexibility of light requirement
- Slim design and light in weight
- Dual power for different lumen output
- High lumen output up to 9600lm
- Superb efficacy up to 160lm/W
- Long life time 50,000hrs L80B10@Ta25°C
- More flexible when compared with the trucking system
- 3-phase connection track adaptor
- DALI dimming will be available soon

Flicker free | 50000 hrs | IP20 | IK03 | SDCM <4

Applications

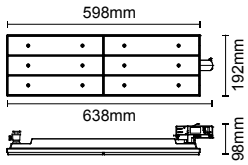
- Retails
- Supermarkets
- Warehouses and similar applications

Integrated LED luminaire

MEGAMAN® XAVIER

FTK71700v0-ds+090D
FTK71700v0-ds+028A028A
FTK71700v1-da+090D
FTK71700v1-da+028A028A

λ >0.9 | Class I | IP20 | IK03 | Flicker Free



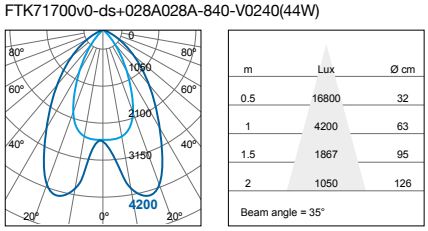
220-240V

Black (BK12)

Model No.	Wattage (W)	Luminous Flux (lm)	Lm/W	Beam Angle	Colour Temp.	CRI	Dimension (mm)	Rated Life at L80 B10 at Ta25°C (hrs)	Materials
FTK71700v0-ds+090D	60/44	7700/5600 [3000K] 8400/6200 [4000K/6500K]	128/127 [3000K] 140/141 [4000K/6500K]	90°	3000K/4000K/ 6500K	≥80	W190 x L598 x H97	50000	PMMA Diffuser + Polycarbonate Housing
FTK71700v0-ds+028A028A	60/44	7700/5600 [3000K] 8400/6200 [4000K]	128/127 [3000K] 140/141 [4000K/6500K]	Double asymmetrical	3000K/4000K/ 6500K	≥80	W190 x L598 x H97	50000	PMMA Diffuser + Polycarbonate Housing
FTK71700v1-da+090D*	60	8900 [3000K] 9600 [4000K/6500K]	148 [3000K] 160 [4000K/6500K]	90°	3000K/4000K/ 6500K	≥80	W190 x L598 x H97	50000	PMMA Diffuser + Polycarbonate Housing
FTK71700v1-da+028A028A*	60	8900 [3000K] 9600 [4000K/6500K]	148 [3000K] 160 [4000K/6500K]	Double asymmetrical	3000K/4000K/ 6500K	≥80	W190 x L598 x H97	50000	PMMA Diffuser + Polycarbonate Housing

* DALI dimming will be available soon

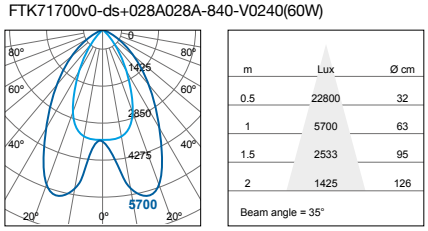
FTK71700v0-ds+028A028A-840-V0240(44W)



m	Lux	Ø cm
0.5	16800	32
1	4200	63
1.5	1867	95
2	1050	126

Beam angle = 35°

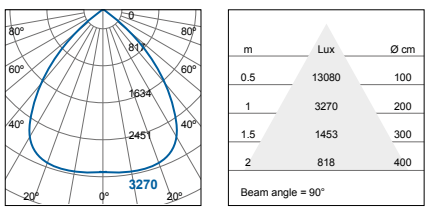
FTK71700v0-ds+028A028A-840-V0240(60W)



m	Lux	Ø cm
0.5	22800	32
1	5700	63
1.5	2533	95
2	1425	126

Beam angle = 35°

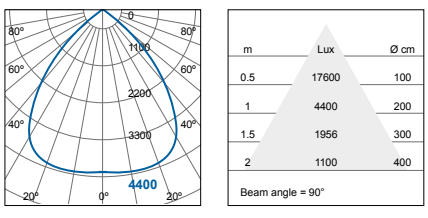
FTK71700v0-ds+090D-840-V240(44W)



m	Lux	Ø cm
0.5	13080	100
1	3270	200
1.5	1453	300
2	818	400

Beam angle = 90°

FTK71700v0-ds+090D-840-V240(60W)



m	Lux	Ø cm
0.5	17600	100
1	4400	200
1.5	1956	300
2	1100	400

Beam angle = 90°

Integrated LED luminaire

HORMONE & STEROID FREE
HUMANELY RAISED ON FAMILY FARMS
ANTIBIOTIC FREE
B.C. PORK
GRAIN FED
HORMONE & STEROID FREE
HUMANELY RAISED ON FAMILY FARMS
ANTIBIOTIC FREE
JERKY
TURKEY

MEGAMAN® MARCO

Integrated LED luminaire

MEGAMAN® MARCO

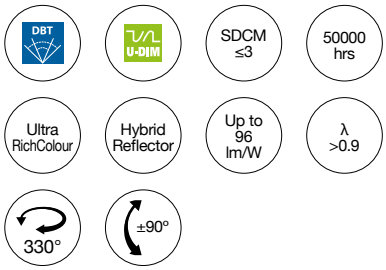
MEGAMAN® MARCO

Integrated LED tracklight

MEGAMAN® MARCO is a range of LED track light designed with excellent lighting performance, great functionality and consistency in design. Equipped with MEGAMAN® groundbreaking LED lighting technology – the Dual Beam Technology (DBT), it is dedicated to enhance the flexibility of beam angles in one single luminaire and help to facilitate inventory management. DBT is an innovative approach for switching the size of the light spot with a finger press on lens. With this technology one can shape the light spot of the lamp / luminaire from a narrow beam angle to a wider beam angle. In addition and Ultra Richcolour options are also available within the range.

Features

- Offer the flexibility of changing the beam angle on site, beneficial to lighting designers & visual merchandisers to cater different scene setting
- Combined MEGAMAN® patented Dual Beam Technology (DBT), capable to switching two beam angles in one luminaire
- Enable keep less stock and reduce the storage space & management
- Compact LED tracklight with an understanding class design and concealed driver
- Excellent colour rendering index of 97 with MEGAMAN® Ultra RichColour option
- High efficacies up to 92lm/W
- High colour consistency SDCM ≤ 3
- Long life of up to 50,000hrs at L70B50 at Ta25°C



Applications

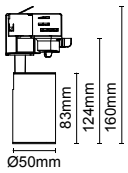
- Shop lighting
- Hotels
- Showrooms
- Restaurants
- Museums

Integrated LED luminaire

MEGAMAN® MARCO MINI

FTK70000v0+012D
FTA70000v0+012D

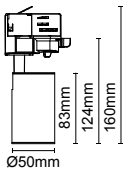
12° 330° 90° λ >0.9 Class II



FTK70000v0-r9+012D
FTA70000v0-r9+012D

Ra90

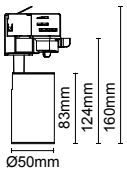
12° 330° 90° λ >0.9 Class II



FTK70000v0-db+024D036D
FTA70000v0-db+024D036D

DBT

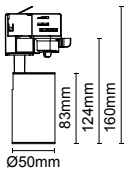
12° 330° 90° λ >0.9 Class II



FTK70000v0-db/ru+024D036D
FTA70000v0-db/ru+024D036D

Ra97 DBT

12° 330° 90° λ >0.9 Class II

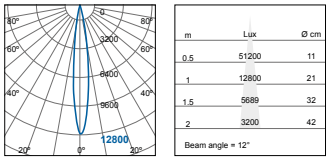


220-240V IP20 SCDM ≤3

White (WH26) Silver (SV28) Black (BK24)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Max. Luminous Intensity (cd)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Power Factor (λ)	Material
FTK70000v0+012D FTA70000v0+012D	12	900 [2800K] 950 [4000K]	75 [2800K] 79 [4000K]	12	12800	Ø50 x L160	2800K/4000K [≥Ra80]	25000	>0.9	Aluminium
FTK70000v0-r9+012D FTA70000v0-r9+012D Ra90	12	720 [2800K] 760 [4000K]	60 [2800K] 63 [4000K]	12	9600	Ø50 x L160	2800K/4000K [Ra90]	25000	>0.9	Aluminium
FTK70000v0-db+024D036D FTA70000v0-db+024D036D DBT	12	950 [2800K] 1000 [4000K]	79 [2800K] 83 [4000K]	24 36	4900 [24°] 2260 [36°]	Ø50 x L160	2800K/4000K [≥Ra80]	25000	>0.9	Aluminium
FTK70000v0-db/ru+024D036D FTA70000v0-db/ru+024D036D DBT Ra97	12	750 [2800K] 800 [4000K]	63 [2800K] 67 [4000K]	24 36	4000 [24°] 1600 [36°]	Ø50 x L160	2800K/4000K [Ra97]	25000	>0.9	Aluminium

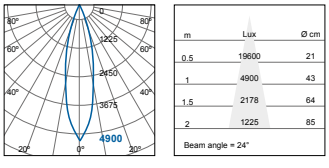
FTK70000v0+012D / FTA70000v0+012D



m	Lux	Ø cm
0.5	51200	11
1	12800	21
1.5	5689	32
2	3200	42

Beam angle = 12°

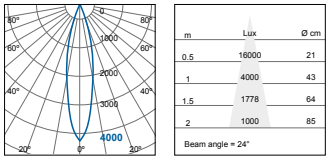
FTK70000v0-db+024D / FTA70000v0-db+024D



m	Lux	Ø cm
0.5	19600	21
1	4900	43
1.5	2178	64
2	1225	85

Beam angle = 24°

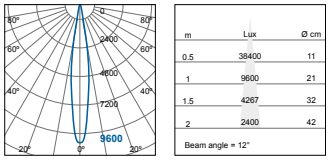
FTK70000v0-db/ru+024D / FTA70000v0-db/ru+024D



m	Lux	Ø cm
0.5	16000	21
1	4000	43
1.5	1778	64
2	1000	85

Beam angle = 24°

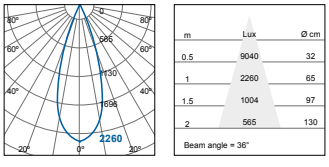
FTK70000v0-r9+012D / FTA70000v0-r9+012D



m	Lux	Ø cm
0.5	38400	11
1	9600	21
1.5	4267	32
2	2400	42

Beam angle = 12°

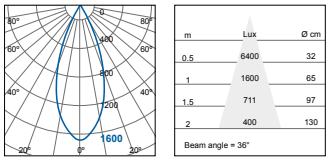
FTK70000v0-db+036D / FTA70000v0-db+036D



m	Lux	Ø cm
0.5	9040	32
1	2260	65
1.5	1004	97
2	565	130

Beam angle = 36°

FTK70000v0-db/ru+036D / FTA70000v0-db/ru+036D



m	Lux	Ø cm
0.5	6400	32
1	1600	65
1.5	711	97
2	400	130

Beam angle = 36°

Accessory

LA10087
Honeycomb louvre for Marco Mini Non-DBT version

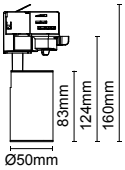
LA10187
Honeycomb Louvre for Marco Mini DBT version

Integrated LED luminaire

Integrated LED luminaire

MEGAMAN® MARCO MINI DIMMABLE

FTK70000v0-dm/db+024D036D
FTA70000v0-dm/db+024D036D

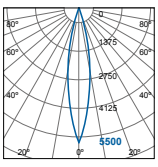


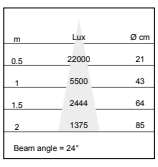
220-240V | IP20 | SCDM ≤3

White (WH26) | Silver (SV28) | Black (BK24)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Max. Luminous Intensity (cd)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Power Factor (λ)	Material
FTK70000v0-dm/db+024D036D FTA70000v0-dm/db+024D036D	13	950 [2800K] 1000 [4000K]	73 [2800K] 77 [4000K]	24 / 36	5500 [24°] 2650 [36°]	Ø50 x L160	2800K/4000K [≥Ra80]	25000	>0.9	Aluminium

FTK70000v0-dm/db+024D
FTA70000v0-dm/db+024D

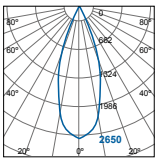


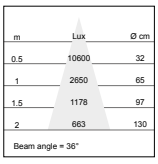


m	Lux	Ø cm
0.5	22000	21
1	5500	43
1.5	2444	64
2	1375	85

Beam angle = 24°

FTK70000v0-dm/db+036D
FTA70000v0-dm/db+036D





m	Lux	Ø cm
0.5	10600	32
1	2650	65
1.5	1178	97
2	663	130

Beam angle = 36°

Accessory

LA10087
Honeycomb louvre for Marco Mini Non-DBT version

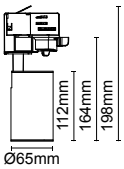
LA10187
Honeycomb Louvre for Marco Mini DBT version

Integrated LED luminaire

MEGAMAN® MARCO MIDI

FTK70800v0+012D
FTA70800v0+012D

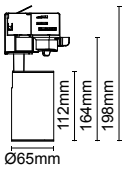
12° 330° 90° λ >0.9 Class II



FTK70800v0-ru+012D
FTA70800v0-ru+012D

Ra97

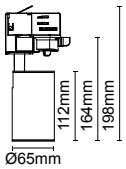
12° 330° 90° λ >0.9 Class II



FTK70800v0-db+025D045D
FTA70800v0-db+025D045D

DBT

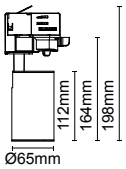
12° 330° 90° λ >0.9 Class II



FTK70800v0-db/ru+025D045D
FTA70800v0-db/ru+025D045D

Ra97 DBT

12° 330° 90° λ >0.9 Class II

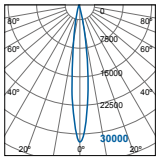


220-240V IP20 SCDM ≤3

White (WH26) Silver (SV28) Black (BK24)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Max. Luminous Intensity (cd)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Power Factor (λ)	Material
FTK70800v0+012D FTA70800v0+012D	24	2000 [3000K] 2100 [4000K]	83 [3000K] 88 [4000K]	12	30000	Ø65 x L198	3000K/4000K [≥Ra80]	50000	>0.9	Aluminium
FTK70800v0-ru+012D FTA70800v0-ru+012D Ra97	24	1500 [3000K] 1600 [4000K]	63 [3000K] 67 [4000K]	12	23000	Ø65 x L198	3000K/4000K [Ra97]	50000	>0.9	Aluminium
FTK70800v0-db+025D045D FTA70800v0-db+025D045D DBT	24	2100 [3000K] 2200 [4000K	88 [3000K] 92 [4000K]	25 45	11000 [25°] 4400 [45°]	Ø65 x L198	3000K/4000K [≥Ra80]	50000	>0.9	Aluminium
FTK70800v0-db/ru+025D045D FTA70800v0-db/ru+025D045D DBT Ra97	24	1600 [3000K] 1700 [4000K]	67 [3000K] 71 [4000K]	25 45	8500 [25°] 3400 [45°]	Ø65 x L198	3000K/4000K [Ra97]	50000	>0.9	Aluminium

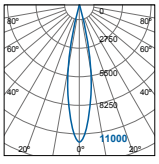
FTK70800v0+012D / FTA70800v0+012D



m	Lux	Ø cm
0.5	120000	21
1	30000	43
1.5	13333	64
2	7500	85

Beam angle = 12°

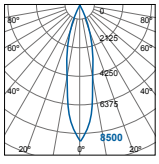
FTK70800v0-db+025D / FTA70800v0-db+025D



m	Lux	Ø cm
0.5	42800	47
1	10700	93
1.5	4756	140
2	2675	187

Beam angle = 25°

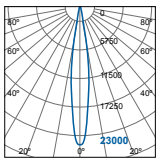
FTK70800v0-db/ru+025D / FTA70800v0-db/ru+025D



m	Lux	Ø cm
0.5	34000	22
1	8500	44
1.5	3778	67
2	2125	89

Beam angle = 25°

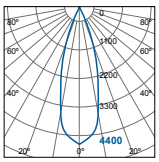
FTK70800v0-ru+012D / FTA70800v0-ru+012D



m	Lux	Ø cm
0.5	92000	11
1	23000	21
1.5	10222	32
2	5750	42

Beam angle = 12°

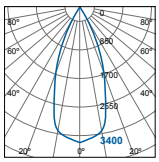
FTK70800v0-db+045D / FTA70800v0-db+045D



m	Lux	Ø cm
0.5	17600	41
1	4400	83
1.5	1956	124
2	1100	166

Beam angle = 45°

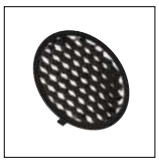
FTA70800v0-db/ru+045D / FTA70800v0-db/ru+045D



m	Lux	Ø cm
0.5	13600	41
1	3400	83
1.5	1511	124
2	850	166

Beam angle = 45°

Accessory



LA10098
Honeycomb louvre
MARCO MIDI

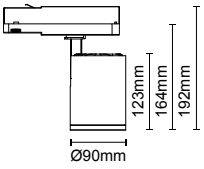
Integrated LED luminaire

Integrated LED luminaire

MEGAMAN® MARCO 90

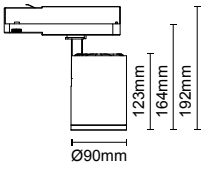
FTK71400v0+012D
FTK71400v0-r9+012D

12° 330° 90°



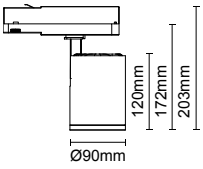
FTK71400v0-db+025D045D
FTK71400v0-db/r9+025D045D

25° 45° 330° 90°



FTK71800v0+060D
FTK71800v0-r9+060D

60° 330° 90°



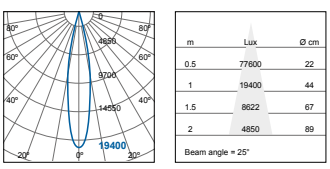
220-240V | IP20 | SCDM ≤3 | Class I | λ >0.9

White (WH26) Black (BK24)

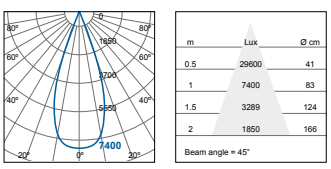
Model No.	Wattage (W)	Luminous Flux (lm)	System Luminous Efficacy (lm/W)	Beam Angle	Colour Temp.	CRI	Dimension (mm)	Rated Life at L70 B50 at Ta25°C (hrs)	Materials
3 Phase Adaptor - Non-Dim									
FTK71400v0+012D*	37	3260 [3000K] 3500 [4000K]	88 [3000K] 95 [4000K]	12°	3000K/4000K	≥80	Ø90 x 192 x 123	50000	Aluminum + Plastic
FTK71400v0-db+025D045D DBT	37	3260 [3000K] 3500 [4000K]	88 [3000K] 95 [4000K]	25°/45°	3000K/4000K	≥80	Ø90 x 192 x 123	50000	Aluminum + Plastic
FTK71800v0+060D	37	3260 [3000K] 3500 [4000K]	88 [3000K] 95 [4000K]	60°	3000K/4000K	≥80	Ø90 x 203 x 120	50000	Aluminum + Plastic
FTK71400v0-r9+012D*	37	2500 [3000K] 2700 [4000K]	68 [3000K] 73 [4000K]	12°	3000K/4000K	Ra90	Ø90 x 192 x 123	50000	Aluminum + Plastic
FTK71400v0-db/r9+025D045D* DBT	37	2500 [3000K] 2700 [4000K]	68 [3000K] 73 [4000K]	25°/45°	3000K/4000K	Ra90	Ø90 x 192 x 123	50000	Aluminum + Plastic
FTK71800v0-r9+060D*	37	2500 [3000K] 2700 [4000K]	68 [3000K] 73 [4000K]	60°	3000K/4000K	Ra90	Ø90 x 203 x 120	50000	Aluminum + Plastic

* Coming Soon

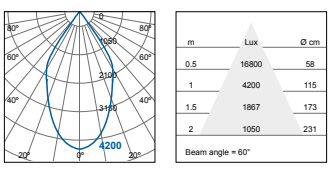
FTK71400v0-db+025D



FTK71400v0-db+045D



FTK71800v0+060D



Accessory

LA10181
Honeycomb louvre

Integrated LED luminaire

MEGAMAN® MARCO 90

330° | ±90° | 220-240V | IP20 | SCDM ≤3 | Class I | λ >0.9

White (WH12) | Black (BK23)

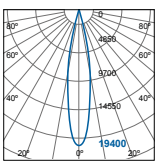
Model No.	Wattage (W)	Luminous Flux (lm)	System Luminous Efficacy (lm/W)	Beam Angle	Colour Temp.	CRI	Dimension (mm)	Rated Life at L70 B50 at Ta25°C (hrs)	Materials
3 Phase Adaptor - DALI Dim									
FTK71400v0-da+012D*	37	3260[3000K] 3500[4000K]	88 [3000K] 95 [4000K]	12°	3000K/4000K	≥80	Ø90 x 192 x 123	50000	Aluminum + Plastic
FTK71400v0-da/db+025D045D DBT	37	3260[3000K] 3500[4000K]	88 [3000K] 95 [4000K]	25°/45°	3000K/4000K	≥80	Ø90 x 192 x 123	50000	Aluminum + Plastic
FTK71800v0-da+060D*	37	3260[3000K] 3500[4000K]	88 [3000K] 95 [4000K]	60°	3000K/4000K	≥80	Ø90 x 203 x 120	50000	Aluminum + Plastic
FTK71400v0-da/r9+012D*	37	2500[3000K] 2700[4000K]	68 [3000K] 73 [4000K]	12°	3000K/4000K	Ra90	Ø90 x 192 x 123	50000	Aluminum + Plastic
FTK71400v0-da/db/r9+025D045D* DBT	37	2500[3000K] 2700[4000K]	68 [3000K] 73 [4000K]	25°/45°	3000K/4000K	Ra90	Ø90 x 192 x 123	50000	Aluminum + Plastic
FTK71800v0-da/r9+060D	37	2500[3000K] 2700[4000K]	68 [3000K] 73 [4000K]	60°	3000K/4000K	Ra90	Ø90 x 203 x 120	50000	Aluminum + Plastic

Model No.	Wattage (W)	Luminous Flux (lm)	System Luminous Efficacy (lm/W)	Beam Angle	Colour Temp.	CRI	Dimension (mm)	Rated Life at L70 B50 at Ta25°C (hrs)	Materials
Single Phase Adaptor - Non-Dim									
FTA71400v0+012D*	37	3260[3000K] 3500[4000K]	88 [3000K] 95 [4000K]	12°	3000K/4000K	≥80	Ø90 x 192 x 123	50000	Aluminum + Plastic
FTA71400v0-db+025D045D DBT	37	3260[3000K] 3500[4000K]	88 [3000K] 95 [4000K]	25°/45°	3000K/4000K	≥80	Ø90 x 192 x 123	50000	Aluminum + Plastic
FTA71800v0+060D	37	3260[3000K] 3500[4000K]	88 [3000K] 95 [4000K]	60°	3000K/4000K	≥80	Ø90 x 203 x 120	50000	Aluminum + Plastic
FTA71400v0-r9+012D*	37	2500[3000K] 2700[4000K]	68 [3000K] 73 [4000K]	12°	3000K/4000K	Ra90	Ø90 x 192 x 123	50000	Aluminum + Plastic
FTA71400v0-db/r9+025D045D* DBT	37	2500[3000K] 2700[4000K]	68 [3000K] 73 [4000K]	25°/45°	3000K/4000K	Ra90	Ø90 x 192 x 123	50000	Aluminum + Plastic
FTA71800v0-r9+060D*	37	2500[3000K] 2700[4000K]	68 [3000K] 73 [4000K]	60°	3000K/4000K	Ra90	Ø90 x 203 x 120	50000	Aluminum + Plastic

Model No.	Wattage (W)	Luminous Flux (lm)	System Luminous Efficacy (lm/W)	Beam Angle	Colour Temp.	CRI	Dimension (mm)	Rated Life at L70 B50 at Ta25°C (hrs)	Materials
Single Phase Adaptor - DALI									
FTA71400v0-da+012D*	37	3260[3000K] 3500[4000K]	88 [3000K] 95 [4000K]	12°	3000K/4000K	≥80	Ø90 x 192 x 123	50000	Aluminum + Plastic
FTA71400v0-da/db+025D045D DBT	37	3260[3000K] 3500[4000K]	88 [3000K] 95 [4000K]	25°/45°	3000K/4000K	≥80	Ø90 x 192 x 123	50000	Aluminum + Plastic
FTA71800v0-da+060D*	37	3260[3000K] 3500[4000K]	88 [3000K] 95 [4000K]	60°	3000K/4000K	≥80	Ø90 x 203 x 120	50000	Aluminum + Plastic
FTA71400v0-da/r9+012D*	37	2500[3000K] 2700[4000K]	68 [3000K] 73 [4000K]	12°	3000K/4000K	Ra90	Ø90 x 192 x 123	50000	Aluminum + Plastic
FTA71400v0-da/db/r9+025D045D* DBT	37	2500[3000K] 2700[4000K]	68 [3000K] 73 [4000K]	25°/45°	3000K/4000K	Ra90	Ø90 x 192 x 123	50000	Aluminum + Plastic
FTA71800v0-da/r9+060D	37	2500[3000K] 2700[4000K]	68 [3000K] 73 [4000K]	60°	3000K/4000K	Ra90	Ø90 x 203 x 120	50000	Aluminum + Plastic

* Coming Soon

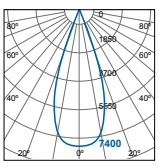
FTA71400v0-db+025D



m	Lux	Ø cm
0.5	77600	22
1	19400	44
1.5	8622	67
2	4850	89

Beam angle = 25°

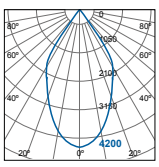
FTA71400v0-db+045D



m	Lux	Ø cm
0.5	29600	41
1	7400	83
1.5	3289	124
2	1850	166

Beam angle = 45°

FTA71800v0+060D



m	Lux	Ø cm
0.5	16800	58
1	4200	115
1.5	1867	173
2	1050	231

Beam angle = 60°

Accessory

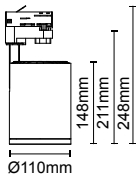
LA10181
Honeycomb louvre

Integrated LED luminaire

MEGAMAN® MARCO 111

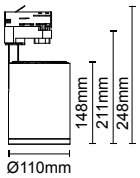
FTK70100v0+012D
FTA70100v0+012D

12° 330° 90° λ >0.9 Class II



FTK70100v0-ru+012D
FTA70100v0-ru+012D

12° 330° 90° λ >0.9 Class II



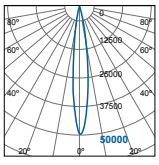
220-240V IP20 SCDM ≤3

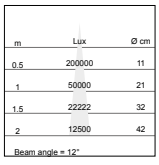
White (WH26) Silver (SV28) Black (BK24)

MEGAMAN® MARCO 3500lm

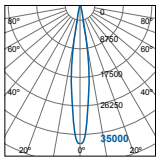
Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Max. Luminous Intensity (cd)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Power Factor (λ)	Material
FTK70100v0+012D FTA70100v0+012D	37	3100 [3000K] 3300 [4000K]	84 [3000K] 88 [4000K]	12	50000	Ø110 x L248	3000K/4000K [≥Ra80]	50000	>0.9	Aluminium
FTK70100v0-ru+012D FTA70100v0-ru+012D Ra97	37	2400 [3000K] 2500 [4000K]	65 [3000K] 68 [4000K]	12	35000	Ø110 x L248	3000K/4000K [Ra97]	50000	>0.9	Aluminium

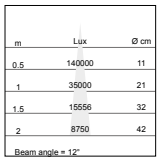
FTK70100v0+012D / FTA70100v0+012D





FTK70100v0-ru+012D / FTA70100v0-ru+012D





Accessory

LA10054
Spread lens

LA10055
Rectangular lens

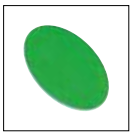
LA10056
Honeycomb louvre

LA10057
Barn doors

LA10058
Coloured filter (Red)

LA10059
Coloured filter (Yellow)

LA10060
Coloured filter (Blue)

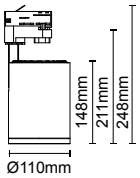


LA10061
Coloured filter (Green)

MEGAMAN® MARCO 111

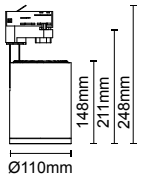
FTK70100v1-db+025D045D
FTA70100v1-db+025D045D

25° 45° 330° 90° λ >0.9 Class II



FTK70100v1-db/ru+025D045D
FTA70100v1-db/ru+025D045D

25° 45° 330° 90° λ >0.9 Class II



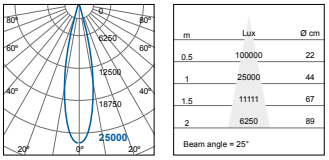
220-240V IP20 SCDM ≤3

White (WH26) Silver (SV28) Black (BK24)

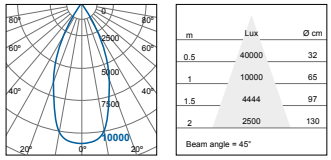
MEGAMAN® MARCO 5000lm

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Max. Luminous Intensity (cd)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Power Factor (λ)	Material
FTK70100v1-db+025D045D FTA70100v1-db+025D045D DBT	52	4800 [3000K] 5000 [4000K]	92 [3000K] 96 [4000K]	25 45	25000 [25°] 10000 [45°]	Ø110 x L248	3000K/4000K [≥Ra80]	50000	>0.9	Aluminium
FTK70100v1-db/ru+025D045D FTA70100v1-db/ru+025D045D DBT Ra97	52	3700 [3000K] 3800 [4000K]	71 [3000K] 73 [4000K]	25 45	19000 [25°] 7600 [45°]	Ø110 x L248	3000K/4000K [Ra97]	50000	>0.9	Aluminium

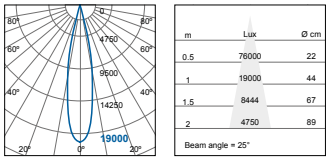
FTK70100v1-db+025D / FTA70100v1-db+025D



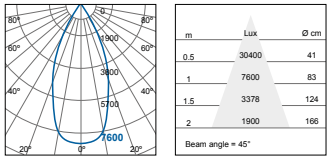
FTK70100v1-db+045D / FTA70100v1-db+045D



FTK70100v1-db/ru+025D / FTK70100v1-db/ru+025D



FTA70100v1-db/ru+45D / FTA70100v1-db/ru+45D



Accessory

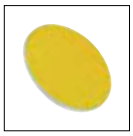
LA10054
Spread lens

LA10055
Rectangular lens

LA10056
Honeycomb louvre

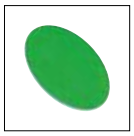
LA10057
Barn doors

LA10058
Coloured filter (Red)



LA10059
Coloured filter (Yellow)

LA10060
Coloured filter (Blue)



LA10061
Coloured filter (Green)

Integrated LED luminaire

MEGAMAN® MORA

essentials MEGAMAN®
+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +

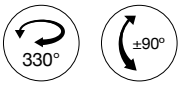
MEGAMAN® MORA

LED Tracklight

When utilizing the latest MEGAMAN® PAR16 LED reflector lamp technology with highly efficient optics, MEGAMAN® MORA is a very low energy track light compared with halogen sources. The upgraded construction of MEGAMAN® MORA also allows compatibility with most LED PAR16 lamps on the market. MEGAMAN® MORA has adjustable 90° tilt and 330° rotation angles, providing a cost effective multidirectional lighting solution ideal for common accent lighting applications.

Features

- Compact serviceable GU10 tracklight
- Compatible to most of the market LED PAR16 Lamp
- Adjustable arm for multi-directional lighting: 330° horizontal rotation and 90° vertical tilting angle
- 3 circuit track adaptor as standard compatible with most 3 circuit systems
- Single phase track adaptor version available



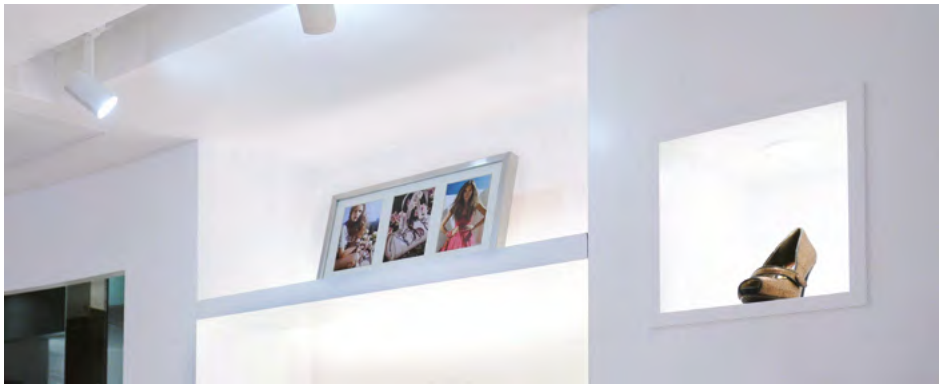
Applications

- Shops and boutiques
- Hotels
- Restaurants
- Homes

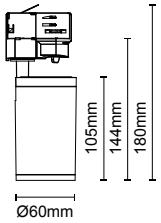
Integrated LED luminaire

MEGAMAN® MORA

FTK70317v0 / FTA70317v0 /
FTS70317v0



330° ±90° Class II



220-240V

White (WH12) Silver (SV22) Black (BK12)

Model No.	Max. Wattage (W)	Dimension (mm)	Light Source	Lamp Base	Materials
FTK70317v0	7.2	Ø60 x H180	LED PAR16	GU10	Polycarbonate
FTA70317v0	7.2	Ø60 x H163	LED PAR16	GU10	Polycarbonate
FTS70317v0	7.2	Ø60 x H163	LED PAR16	GU10	Polycarbonate

Max. 7.2W
LED PAR16
GU10

Integrated LED luminaire

MEGAMAN® MOSAIC

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+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +

MEGAMAN® MOSAIC

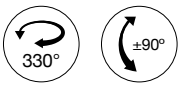
LED Tracklight

MEGAMAN® MOSAIC is a compact adjustable fitting for use with LED PAR16 reflectors to replace halogen in accent lighting applications – offering excellent light output with up to 25,000 hours lifetime.

With adjustable 330° rotation and 90° tilt angles, MEGAMAN® MOSAIC provides a flexible multidirectional lighting solution that is ideal for accent lighting applications. MEGAMAN® MOSAIC offers visual comfort with minimal glare.

Features

- Flexible multi-directional lighting: adjustable 330° rotation and 90° tilt angle, Ideal for use in galleries, restaurants, showrooms, hotels, retail outlets, reception areas, etc.
- Offers visual comfort with minimal glare
- Adjustable lamp holder for easy installation
- Offers two installation methods: track and surface mounted
- Track version has 3 circuit track adaptor as standard compatible with most 3 circuit systems
- Asian track adaptor version available



Applications

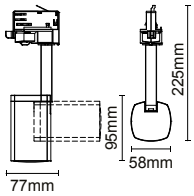
- Galleries
- Restaurants
- Showrooms
- Hotels
- Retail outlets
- Reception areas

Integrated LED luminaire

MEGAMAN® MOSAIC

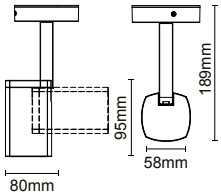
F11517TA / F11517TK

330° ±90° IP20 Class II



F11517SM

330° ±90° IP20 Class II



220-240V

White (WH12) Silver (SV22) Black (BK12)

Model No.	Max. Wattage (W)	Dimension (mm)	Light Source	Lamp Base	Materials
F11517TA	14	W58 x L77x H193	LED PAR16	GU10	Polycarbonate
F11517TK	14	W58 x L77x H225	LED PAR16	GU10	Polycarbonate
F11517SM	14	W58 x Ø80 x H189	LED PAR16	GU10	Polycarbonate

Max. 7.2W
LED PAR16
GU10

MEGAMAN® TOBY

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MEGAMAN® TOBY

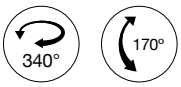
LED Tracklight

MEGAMAN® TOBY has a stylish finishing with aluminium material and uses an LED AR111 reflector to offer superb high lumen intensity and up to 40,000 hours service lifetime, which is perfect for the conventional halogen AR111 application replacement.

Designed for adjustable 340° rotation and 170° tilt angles, MEGAMAN® TOBY allows for multidirectional lighting. It is perfect for use in any retail outlet, hotel, restaurant, gallery or residential applications.

Features

- Designed to replace conventional halogen applications, MEGAMAN® TOBY uses a stylish finishing with aluminium material and works with LED AR111 to offer up to 40,000 hours service lifetime
- Flexible multi-directional lighting with adjustable 340° rotation and 170° tilt angles
- Track version has 3 circuit track adaptor as standard compatible with most 3 circuit systems
- Asian track adaptor version available



Applications

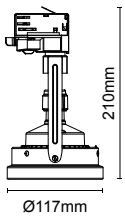
- Retail outlets
- Hotels
- Restaurants
- Galleries
- Residential applications

Integrated LED luminaire

MEGAMAN® TOBY

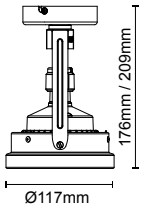
F13117TK / F13117TA

340° 170° IP20 Class II



F13117SM

340° 170° IP20 Class II



220-240V

White (WH21) Silver (SV23) Black (BK21)

Model No.	Max. Wattage (W)	Dimension (mm)	Light Source	Lamp Base	Materials
F13117TK / F13117TA	11.5	Ø117 x H210	LED AR111	GU10	Steel

Max. 11.5W
LED AR111
GU10

MEGAMAN® TRAVIS

MEGAMAN® TRAVIS

LED Trunking

MEGAMAN® TRAVIS is a complete trunking system with unobtrusive design that enables the creation of continuous lines of light for ceiling fixing or suspended mounting on wire or chains. It is designed for fast and tool-less mechanical and electrical installation.

Features

- Luminaires trunking systems offer numerous lighting combinations to form a continuous lines of light, which perfectly illuminates all commercial area, industrial area, etc.
- A trunking solution specially designed to boost productivity and enhance shopping experience without lighting performance and energy efficiency
- Both trunking and track mounted version available for selection
- MEGAMAN® TRAVIS enables quick tool-less assembly and fast installation with:
- “Turn and Lock” feature enables quick, easy and tool-less installation, with design compatible with major brand’s mounting rails
- Electrical power can be instantly connected by a quick connector
- Unobtrusive design with built-in through wire system in luminaires with the accessory options to fit different projects
- Available in 120º to offer general lighting
- Efficient system up to 140lm/W
- High lumen output of up to 9000lm

50000 hrs

Up to 140 lm/W

Applications

- Production Plant
- Warehouse
- Supermarket

Integrated LED luminaire

MEGAMAN® TRAVIS

TRAVIS Gen2

220-240V | -20°C to +45°C | 50/60Hz

White

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)		Dimension (mm)	Rated Life at L80 B10 at Ta25°C (hrs)	Colour Temp [CRI]
FTL74000v0+120D	28	3600 [3000K] 4000 [4000K/ 6500K]	129 [3000K] 140 [4000K/6500K]	120		1482(L)×72(W)×54(H)	50000	3000K/4000K/ 6500K [Ra80]
FTL74000v1+120D	50	6300 [3000K] 7000 [4000K/ 6500K]	126 [3000K] 140 [4000K/6500K]	120		1482(L)×72(W)×54(H)	50000	3000K/4000K/ 6500K [Ra80]
FTL74000v2+120D	65	8200 [3000K] 9100 [4000K/ 6500K]	126 [3000K] 140 [4000K/6500K]	120		1482(L)×72(W)×54(H)	50000	3000K/4000K/ 6500K [Ra80]

TRAVIS Gen2 (Track Version)

220-240V | -20°C to +45°C | 50/60Hz

White

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)		Dimension (mm)	Rated Life at L80 B10 at Ta25°C (hrs)	Colour Temp [CRI]
FTK71200v0+120D	28	3600 [3000K] 4000 [4000K/ 6500K]	129 [3000K] 140 [4000K/6500K]	120		1482(L)×72(W)×54(H)	50000	3000K/4000K/ 6500K [Ra80]
FTK71200v1+120D	50	6300 [3000K] 7000 [4000K/ 6500K]	126 [3000K] 140 [4000K/6500K]	120		1482(L)×72(W)×54(H)	50000	3000K/4000K/ 6500K [Ra80]
FTK71200v2+120D	65	8200 [3000K] 9100 [4000K/ 6500K]	126 [3000K] 140 [4000K/6500K]	120		1482(L)×72(W)×54(H)	50000	3000K/4000K/ 6500K [Ra80]

Accessory

LA10155
Mounting rail end cover

LA10156
Mounting rail connecting piece

LA10157
2pcs 1.5m suspension cable

LA10158
Fixing bracket

LA10159
Mounting rail L-type connecting piece

LA10160
Mounting rail T-type connecting piece

LA10161
Mounting rail cross connecting piece

LA10162
Fixing hook for chain

LA10163
1.5m Blinding plate

MEGAMAN® KETO CCT

Integrated LED luminaire

MEGAMAN® KETO CCT

MEGAMAN® KETO CCT

Under Cabinet

IP21 | Flicker Free | Switching CCT | 40000 hrs

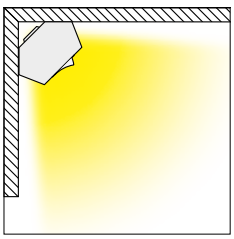
MEGAMAN® KETO CCT is an ideal luminaire range for indoor applications for residential lighting not only delivering a significant lighting performance but also with switching colour function. This luminaire with the Hexagon shape design is able to be mounted for 45° applications. MEGAMAN® KETO CCT is easy to handle as the integrated driver and built-in LED facilitates easy installation.

Features:

- True replacement for traditional T5 & T8 battens
- Switching CCT (3000K / 4000K) by sliding switching
- Integrated driver and built-in LED facilitates easy installation Hexagon shape design with inclined base to be mounted for 45°application
- Two electrical sockets with the luminaire for the power supply for other appliances

Applications

- Under cabinet
- Staircases
- Corridors
- Kitchens



The base is inclined, so MEGAMAN® KETO can be mounted at 45° under cabinets

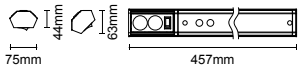
Two electrical sockets for supply of appliances

Integrated LED luminaire

MEGAMAN® KETO CCT

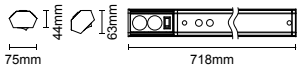
FIB75200v0-sc

IP21 | Class I | 110° | Flicker Free



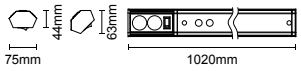
FIB75300v0-sc

IP21 | Class I | 110° | Flicker Free



FIB75400v0-sc

IP21 | Class I | 110° | Flicker Free

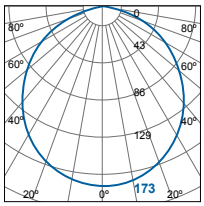


220-240V

White (WH26)

Model No.	Wattage (W)	Luminous Flux (lm)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L70 B50 at Ta25°C (hrs)	Power Factor (λ)	Materials
FIB75200v0-sc	4.5	500 / 540	110	L457 x W75 x H44	3000K / 4000K	40000	>0.7	Polycarbonate housing + Polycarbonate diffuser
FIB75300v0-sc	10.5	1200 / 1300	110	L718 x W75 x H44	3000K / 4000K	40000	>0.9	Polycarbonate housing + Polycarbonate diffuser
FIB75400v0-sc	13.5	1500 / 1600	110	L1020 x W75 x H44	3000K / 4000K	40000	>0.9	Polycarbonate housing + Polycarbonate diffuser

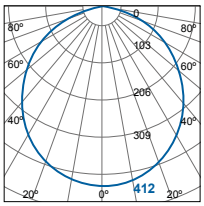
FIB75200v0-sc



m	Lux	Ø cm
0.5	692	143
1	173	286
1.5	77	428
2	43	571

Beam angle = 110°

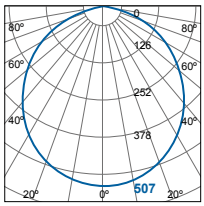
FIB75300v0-sc



m	Lux	Ø cm
0.5	1648	143
1	412	286
1.5	183	428
2	103	571

Beam angle = 110°

FIB75400v0-sc



m	Lux	Ø cm
0.5	2028	143
1	507	286
1.5	225	428
2	127	571

Beam angle = 110°

Integrated LED luminaire

Integrated LED luminaire

MEGAMAN® PALMLITE

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+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +

MEGAMAN® PALMLITE

Downlight

With the ultra slim design, MEGAMAN® PALMLITE is designed for LED GX53 to offer up to 25,000 hours lifetime for slim surface mounted and conventional recessed applications.

MEGAMAN® PALMLITE eliminates problems associated with halogen lamps, where heat emanating from the lamps can cause damage to furniture and display items. Interchangeable circular rings are available to allow for matching with different furniture colours and finishes.

Features

- MEGAMAN® PALMLITE is designed to work with LED GX53 for slim surface mounted and conventional recessed applications
- Integral cabinet lighting with GX53 lamp holder
- Ultra slim design: the luminaire height is only 18mm
- Eliminates problems of heat damage to furniture and display items
- Interchangeable circular rings for matching with furniture and decoration
- Has options for different types of supply terminations

Applications

- Cabinets
- Shelves
- Workstations
- Showcase displays

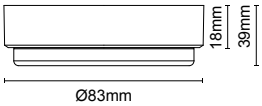
Integrated LED luminaire

MEGAMAN® PALMLITE

L0501CB

IP20

Class II



220-240V

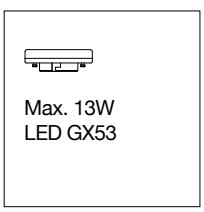
White (WH11)

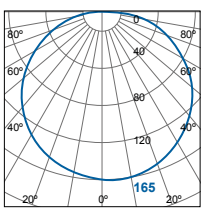
Silver (SV22)

Black (BK11)

Gold (GD41)

Model No.	Max. Wattage (W)	Dimension (mm)	Light Source	Lamp Base	Materials
L0501CB	13	Ø83 x Max. H39	LED GX53	GX53	Polycarbonate

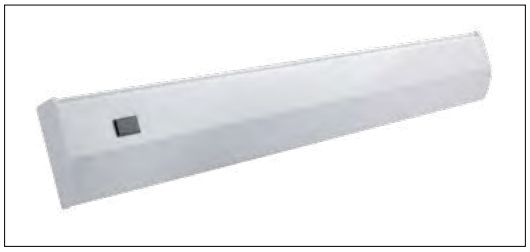


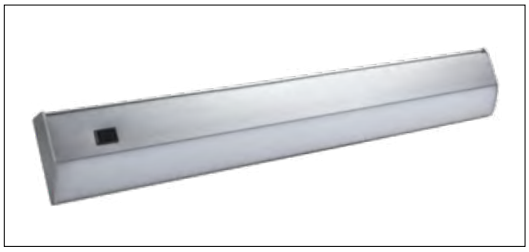


MEGAMAN® KARINA

essentials MEGAMAN®

+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +





Integrated LED luminaire

MEGAMAN® KARINA

MEGAMAN® KARINA

Under Cabinet

MEGAMAN® KARINA is a versatile auxiliary lighting for furniture installation in kitchen, wardrobe or under cabinet. It comes with ultra-slim design with 24mm height only. MEGAMAN® KARINA is a touch-less ON/OFF control batten via motion sensor which offers an obvious upgrade for indoor lighting.

Features

- Ultra-slim design with 24mm height, it is perfect for under cabinet installation
- Tool-less wiring connection design
- Touch-less ON/OFF control thanks to the motion sensor
- 2 different finishing (White & Silver-grey)
- Wide light-emitting area
- True replacement for traditional T5 & T8 Battens

IR Switch | IP20 | Up to 100 lm/W | 25000 hrs

Applications

- Under cabinet
- Staircases
- Wardrobes
- Kitchen

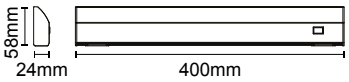
Accessory

Integrated LED luminaire

MEGAMAN® KARINA

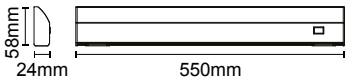
FIB76000v0-ps

IP20 | Class II | 110° | Low Flicker



FIB76100v0-ps

IP20 | Class II | 110° | Low Flicker

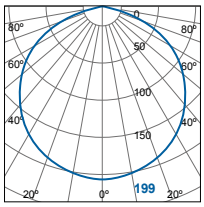


220-240V

Silver (SV31) | White (WH13)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Lifetime L70B50@ Ta25°C	Materials
FIB76000v0-ps	6	530 [3000K] 560 [4000K]	88 [3000K] 93 [4000K]	110	L400 x W58 x H24	3000K / 4000K	25000	Plastic housing and Plastic diffuser
FIB76100v0-ps	8.2	780 [3000K] 820 [4000K]	95 [3000K] 100 [4000K]	110	L550 x W58 x H24	3000K / 4000K	25000	Plastic housing and Plastic diffuser

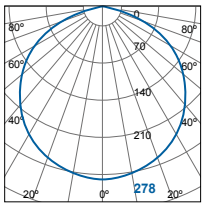
FIB76000v0-ps (3000K)



m	Lux	Ø cm
0.5	796	143
1	199	286
1.5	88	428
2	50	571

Beam angle = 110°

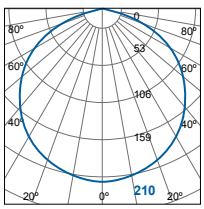
FIB76100v0-ps (3000K)



m	Lux	Ø cm
0.5	1112	143
1	278	286
1.5	124	428
2	70	571

Beam angle = 110°

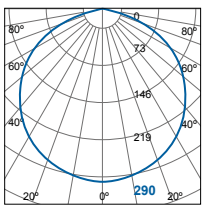
FIB76000v0-ps (4000K)



m	Lux	Ø cm
0.5	840	143
1	210	286
1.5	93	428
2	53	571

Beam angle = 110°

FIB76100v0-ps (4000K)

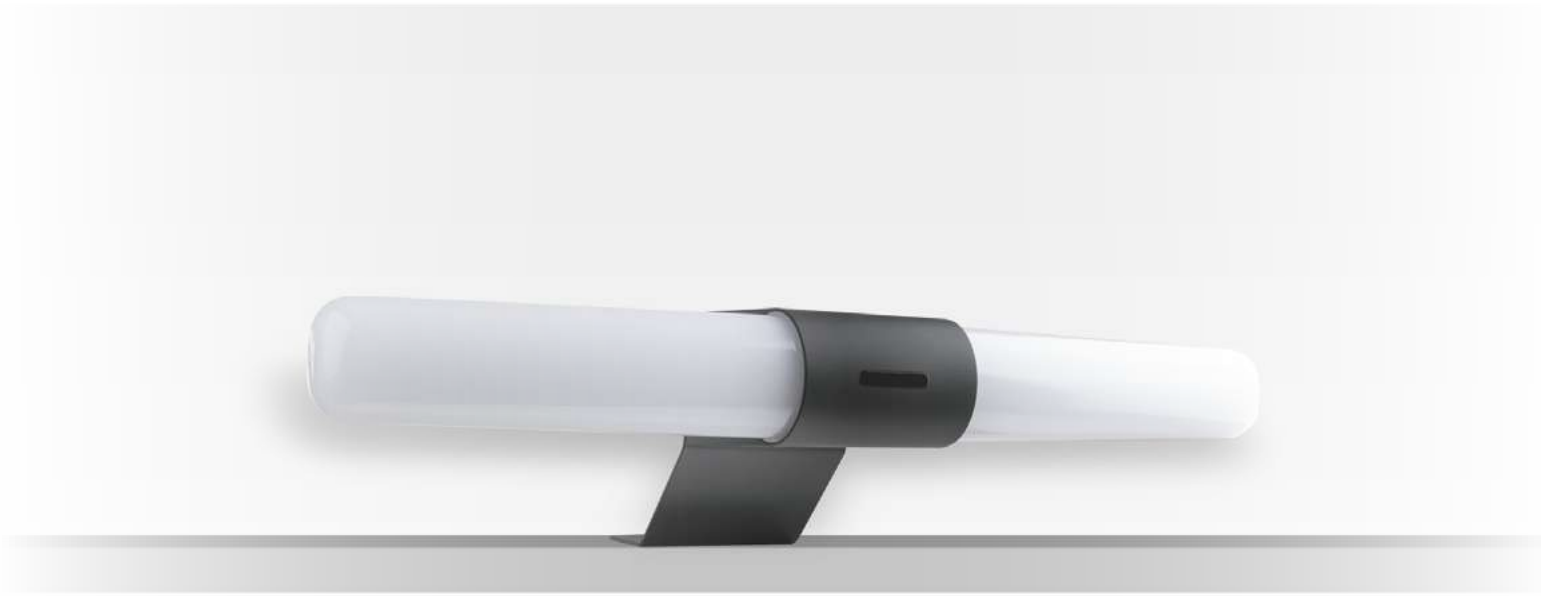


m	Lux	Ø cm
0.5	1160	143
1	290	286
1.5	129	428
2	73	571

Beam angle = 110°

Integrated LED luminaire

MEGAMAN® EMMA



Integrated LED luminaire

MEGAMAN® EMMA

MEGAMAN® EMMA

Integrated LED Wall Lamp

MEGAMAN® EMMA is an integrated LED Wall Lamp with IP44 protection class easy withstand for the moisture in bathrooms and damp locations. Brilliant design with dual CCT function with 3-steps switching via IR sensor cater for different scenes setting. Easy installation for wall mounted or mounted with bracket on the cabinet enhance the flexibility.

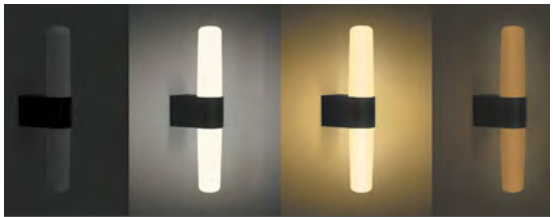
Features

- Dual CCT function with 3-steps scene switching via IR sensor
- 2 installation methods including Wall mounted and Mounted on cabinet with bracket
- IP44 protection
- Operation temperature -20°C to +40°C

IP44 | Class II | Switching CCT | IR Switch | 25000 hrs | Up to 100 lm/W

Applications

- Bathrooms
- Corridors
- Residential
- Hotels

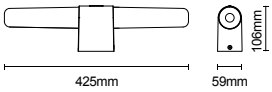


Integrated LED luminaire

MEGAMAN® EMMA

FWL70500v0-ds/ps/sc

IP44 | Class II | 360° | Low Flicker



220-240V

White (WH14) | Black (BK12) | Chrome (CH53)

Model No.	Wattage (W)	Luminous Flux (lm)	Beam angle (°)	3-step scene switching	Colour Temp. [CRI]	Dimension (mm)	Rated Life at L70B50 at Ta25°C (hrs)	Materials
FWL70500v0-ds/ps/sc IR Switch	9	900	360	Step 1 : 4000K @ 100% Step 2 : 3000K @ 100% Step 3 : 3000K @ 30%	3000K /4000K [80]	L425 x W59 x H106	25000	PC diffuser and Plastic housing

Cabinet bracket included

i Integrated LED luminaire

MEGAMAN® TARON

Integrated LED luminaire

MEGAMAN® TARON

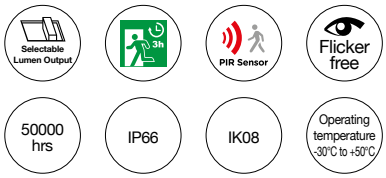
MEGAMAN® TARON

Integrated Water Proof Batten

To continue the successful story of our existing integrated water proof LED batten, MEGAMAN® comes up with the newly developed MEGAMAN® TARON with its flicker free, dual lumen output, 4-pole through-wiring allowing not only the connection of emergency and PIR Sensor module, but also enable for forming more than 1 group master/ slave in PIR sensor module (LA11155).

Features

- Compact and slim profile achieved by one-piece extruded diffuser, it guarantees 100% no water intrusion
- Dual Lumen Output in one luminaire: 2 steps selectable lumen which equivalent to two lamps (HO) and single lamp version (LO); enhancing inventory flexibility
- Cutting edge tool-less wiring and fast installation by sliding mounting clips
- Additional Live (L1, L2, E, N) not only allows for connection of emergency kit and PIR sensor; but also enable for forming more than 1 group master/slave in PIR sensor module (LA11155), which operate independently in each group
- DC input compatible
- Through wiring connection possible
- Thanks for wide beam distribution, it delivers high uniformity of light and make perfect for application such as car park
- IP66 and IK08 rated
- Theft Proof mounting accessory also available (LA10195)
- Flicker free avoid stroboscopic effect in industrial premises
- D-mark with limited surface temperature in compliance of EN60598-2-24
- Operating temperature from -30°C to +50°C



Applications

- Car parks
- Garages
- Under canopy
- Subways
- Workshops
- Warehouses and similar applications

Plug-and Play : Connect up to

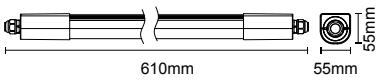
- 73 units for FOB75000v0
- 37 units for FOB75100v0-ds (at High output)
- 24 units for FOB75200v0-ds (at High output)

* Based on using 1.5mm² wire

MEGAMAN® TARON

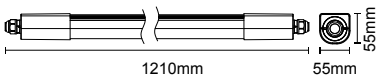
FOB75000v0

IP66 IK08 λ >0.9 Class II Flicker Free



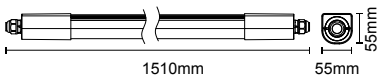
FOB75100v0-ds

IP66 IK08 λ >0.9 Class II Flicker Free



FOB75200v0-ds

IP66 IK08 λ >0.9 Class II Flicker Free

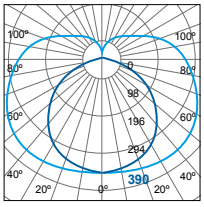


220-240V

Silver (SV16)

Model No.	Wattage (W)	Luminous Flux (lm)	Lm/W	Beam Angle	Colour Temp.	CRI	Dimension (mm)	Rated Life at L80 B10 at Ta25°C (hrs)	Materials
FOB75000v0	17	2000	118	120/160° (Lambertian)	4000K	≥80	W55 x L610 x H55	50000	Polycarbonate
FOB75100v0-ds	17/33	2100/4000	124/121	120/160° (Lambertian)	4000K	≥80	W55 x L1210 x H55	50000	Polycarbonate
FOB75200v0-ds	33/50	4000/6000	121/120	120/160° (Lambertian)	4000K	≥80	W55 x L1510 x H55	50000	Polycarbonate

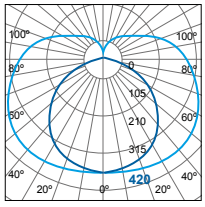
FOB75000v0 (17W)



m	Lux	Ø cm
0.5	1520	567
1	390	1134
1.5	169	1701
2	95	2269

Beam angle = 160°

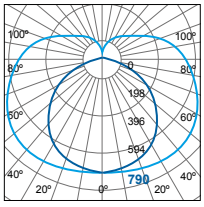
FOB75100v0-ds (17W)



m	Lux	Ø cm
0.5	1680	567
1	420	1134
1.5	187	1701
2	105	2269

Beam angle = 160°

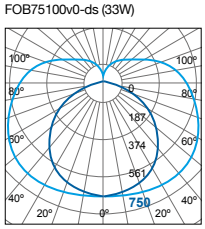
FOB75200v0-ds (33W)



m	Lux	Ø cm
0.5	3160	567
1	790	1134
1.5	351	1701
2	198	2269

Beam angle = 160°

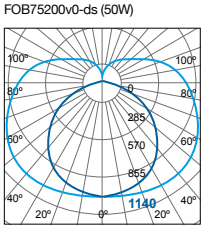
FOB75100v0-ds (33W)



m	Lux	Ø cm
0.5	3000	567
1	750	1134
1.5	333	1701
2	188	2269

Beam angle = 160°

FOB75200v0-ds (50W)



m	Lux	Ø cm
0.5	4560	567
1	1140	1134
1.5	507	1701
2	285	2269

Beam angle = 160°

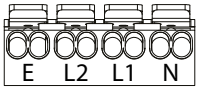
LA11155
PIR sensor module
L130 x W65 x H50mm

LA11156
Emergency module
L214 x W57 X H83mm

Integrated LED luminaire

MEGAMAN® TARON

Permanent Live Option



L1: Switched Live
L2: Permanent Live

4-wire connection, allows unswitched live supply to the luminaire or appliances (i.e. CCTV, security alarm system, smoke detector, etc.) when the switch is off

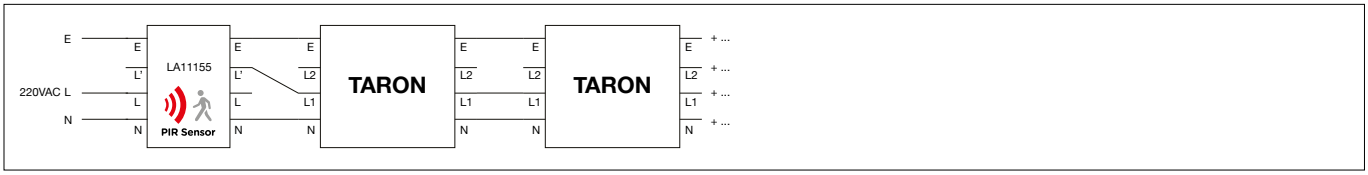
PIR Sensor

Application with PIR sensor module (model no.: LA11155)
When the switch is off, the PIR sensor modules in Group 1 and Group 2 are still connected. This allows the two PIR modules to work independently switching each group separately as they are activated. This allows 'corridor functionality', for example in an underground car park.

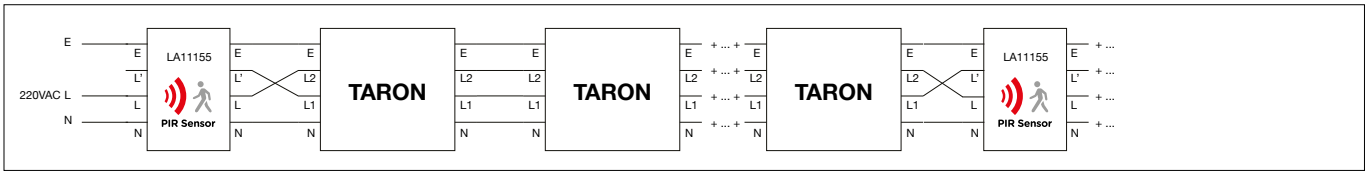
LA11155 TARON

PIR Sensor

TARON with PIR sensor module, Master - Slave

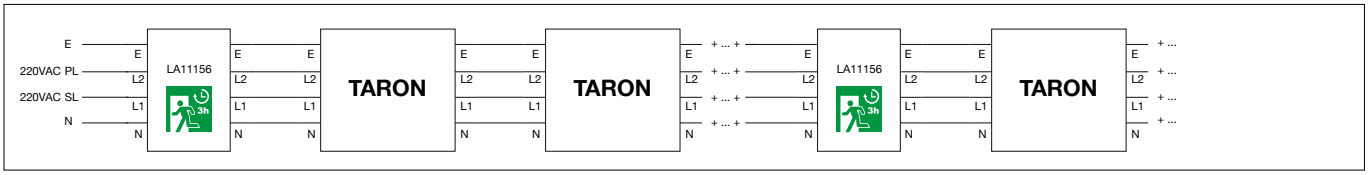


TARON with PIR sensor module, Master - Slave - Master

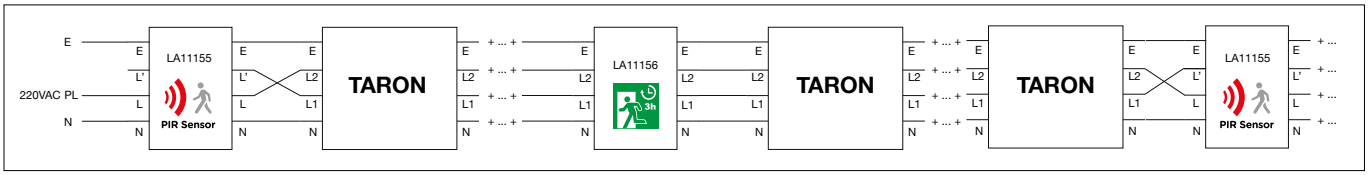


Application with Emergency Module (Model no. : LA11156)
Non-maintained emergency luminaires stay connected and charge on the permanent live, while the general lighting can work as usual on the switched circuit. In the event of power failure, the emergency units light up on their internal batteries.

TARON with Emergency module

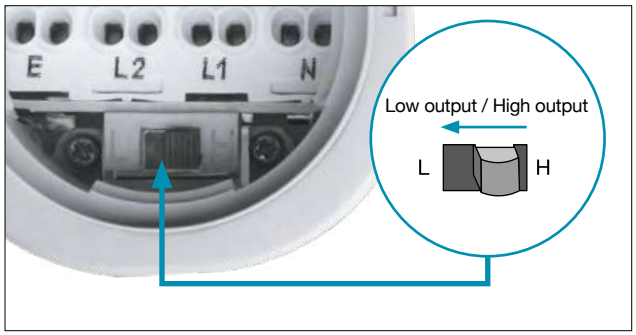


TARON with PIR sensor module and Emergency module with Permanent live control only, especially for Tunnel or Underground car park application

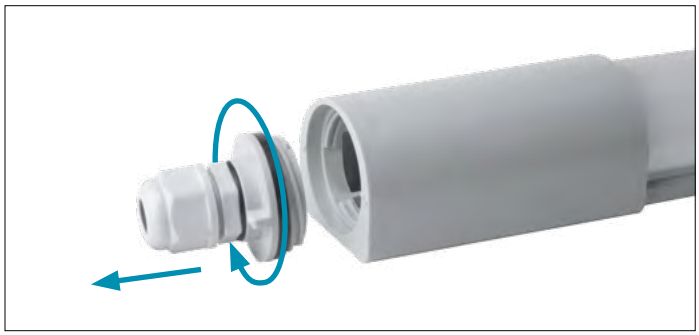


MEGAMAN® TARON

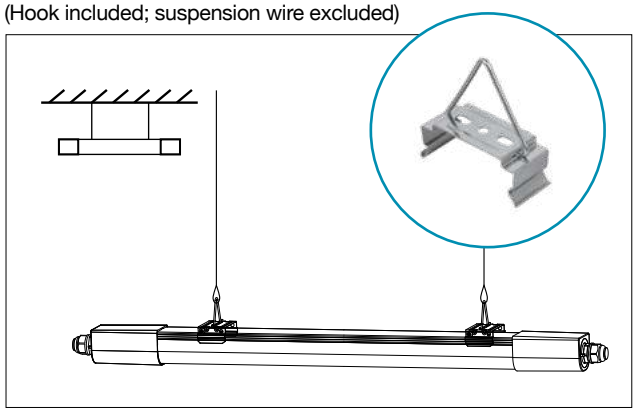
Dual Lumen Output



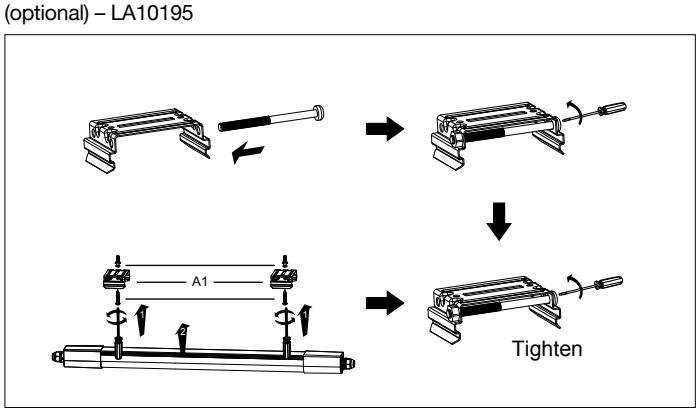
Tool-less wiring



Suspension accessory
(Hook included; suspension wire excluded)



Theft Proof mounting accessory
(optional) – LA10195



Integrated LED luminaire

MEGAMAN® TARON

Chemical Resistance

Chemical Agents	Polycarbonate	Strainless Steel
Acetic acid 10%	+	+
Acetone	-	+
Alcoholic beverages	+	+
Aluminium sulphate	+	o
Ammonia 5%	-	+
Aniline	-	+
Arsenic acid 20%	+	+
Benzene	-	o
Bencylic alcohol	-	o
Bromine	-	-
Calcium Chloride	+	o
Calcium nitrate	+	o
Carbon tetrachloride	-	o
Carbonic acid	-	+
Caustic potash 5%	-	o
Cement	+	o
Hydrochloric acid 1-5%	+	-
Chlorine liquids (vapours)	-	o
Chloroform	-	+
Chromic acid	o	o
Citric acid 20%	+	o
Copper sulphate	+	o
Diesel-naphta oil	o	+
Ethyl alcohol 30%	+	+
Ethyl chloride	-	+
Ethyl ether	-	o
food oils and fats	-	+
formic acid 10%	+	o
Glycerine	+	+

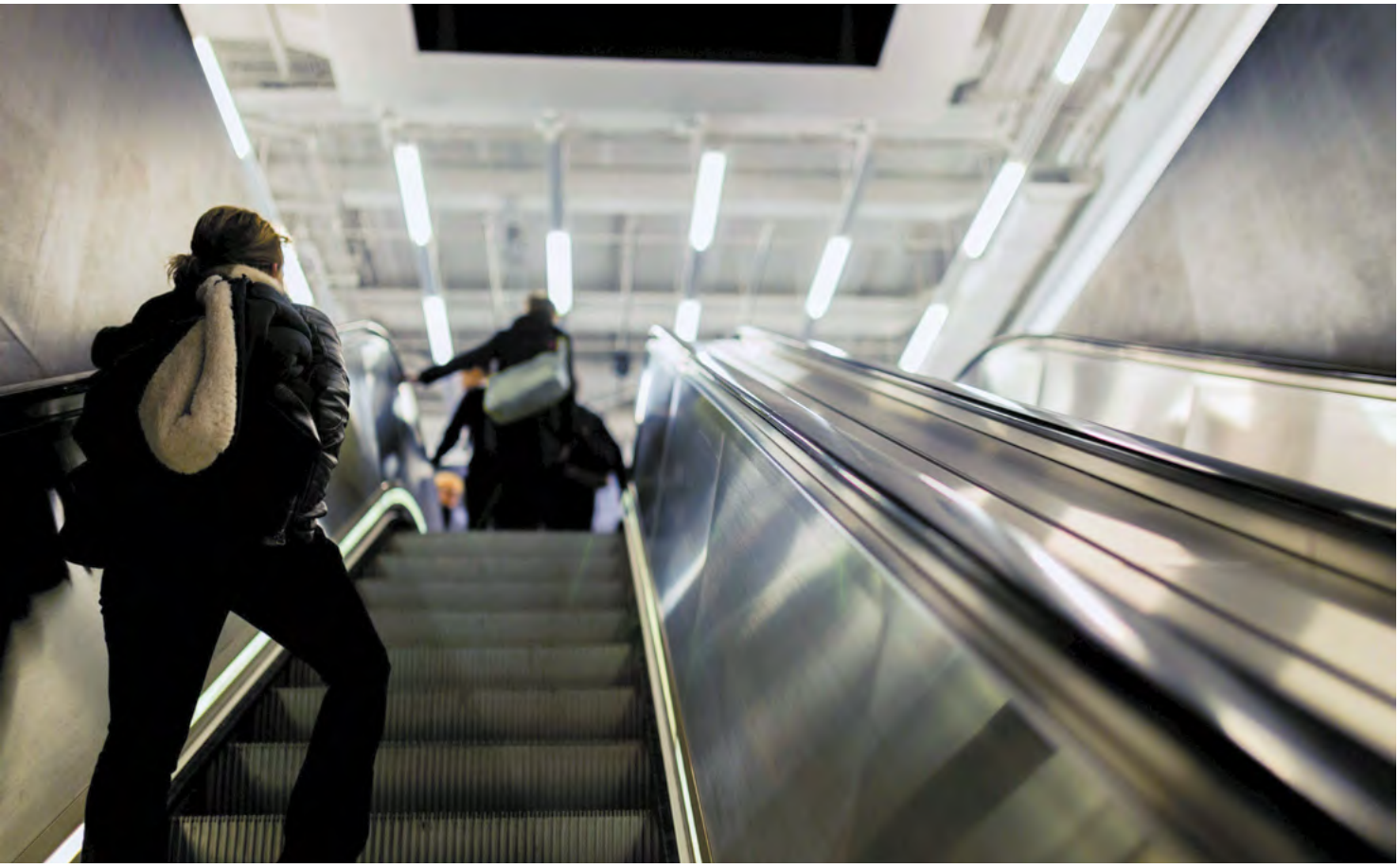
Chemical Agents	Polycarbonate	Strainless Steel
Hexane	+	+
Iodine	-	-
Iron chloride	+	-
Isopropylic alcohol	o	o
Lubricating oil	+	+
Magnesium sulphate	+	+
Methanol	-	+
Mineral oils	+	+
Nitric acid 20%	o	+
Oxygen	+	+
Ozone	+	o
Perchloric acid 10%	+	-
Petrol	-	+
Phenol	-	o
Pothassium bromide	+	o
Pothassium nitrate	+	o
Pothassium permanganate	+	o
Sea climate	+	o
Silicon oils	+	+
Soda bleach 15%	-	o
Sodium chloride	+	o
Sodium hydroxide 5%	-	o
Sodium sulphate	+	o
Sugar	+	+
Sulphur	+	o
Sulphuric acid 30%	+	-
Toluene	-	+
Trichloroethylene	-	o
Zinc sulphate	+	o

+	Resistant
o	Relatively resistant
-	Non-resistant

MEGAMAN® HAGON

Integrated LED luminaire

MEGAMAN® HAGON

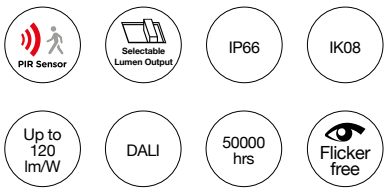


MEGAMAN® HAGON

Damp Proof Batten

Features

- Compact and slim profile achieved by one-piece extruded diffuser, it guarantees 100% no water intrusion
- Dual Lumen Output in one luminaires (1.2m and 1.5m): 2 steps selectable lumen which equivalent to two lamps (HO) and single lamp version (LO); enhancing inventory flexibility
- Compatible with attachable PIR Sensor (LA11155), allowing to form a master and slave in lighting system
- Energy saving with efficacy up to 120lm/W
- Tool-less installation (loop-in/ loop-out with push-in terminal)
- IP66 and IK08 rated
- Compatible with 4 x 2.5mm^2 and 6 x 2.5mm^2 cable with M20 cable gland for ON/OFF and DALI version respectively
- Flicker free
- Theft proof mounting accessory is available



Applications

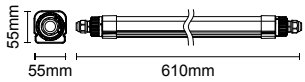
- Car Park
- Warehouse
- Workshops
- Underground areas

Integrated LED luminaire

MEGAMAN® HAGON

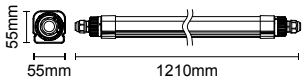
FOB77400v0

IP66 IK08 λ >0.9 Class II Flicker Free



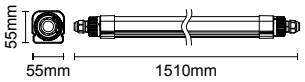
FOB77500v0-ds

IP66 IK08 λ >0.9 Class II Flicker Free



FOB77600v0-ds

IP66 IK08 λ >0.9 Class II Flicker Free



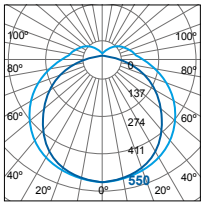
220-240V

Grey (SV16)

DALI VERSION

Model No.	Wattage (W)	Lumen (lm)	Luminous Efficacy (lm/W)	Beam Angle	Dimension (mm)	Colour Temp (CRI)	Rated Life at L80 B10 at Ta25°C (hrs)	Materials
FOB77400v0	17	2000	118	120/160° (Lambertian)	L610 x W55 x H55	4000K [≥80]	50000	Polycarbonate
FOB77500v0-ds	17/33	2000/4000	118/121	120/160° (Lambertian)	L1210 x W55 x H55	4000K [≥80]	50000	Polycarbonate
FOB77600v0-ds	33/50	4000/6000	121/120	120/160° (Lambertian)	L1510 x W55 x H55	4000K [≥80]	50000	Polycarbonate

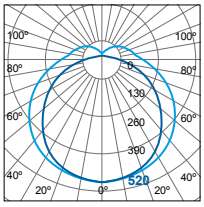
FOB77400v0 (17W)



m	Lux	Ø cm
0.5	2200	173
1	550	346
1.5	244	520
2	138	693

Beam angle = 120°

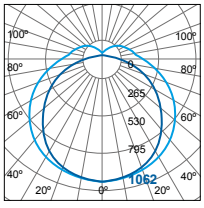
FOB77500v0-ds (17W)



m	Lux	Ø cm
0.5	2080	567
1	520	1134
1.5	231	1701
2	130	2269

Beam angle = 160°

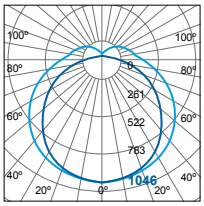
FOB77600v0-ds (33W)



m	Lux	Ø cm
0.5	4248	567
1	1062	1134
1.5	472	1701
2	266	2269

Beam angle = 160°

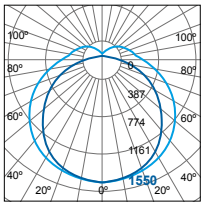
FOB77500v0-ds (33W)



m	Lux	Ø cm
0.5	4184	567
1	1046	1134
1.5	465	1701
2	262	2269

Beam angle = 160°

FOB77600v0-ds (50W)



m	Lux	Ø cm
0.5	6200	567
1	1550	1134
1.5	689	1701
2	388	2269

Beam angle = 160°

Accessory

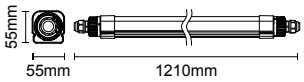
LA11155
PIR sensor module
L130 x W65 x H50mm

Integrated LED luminaire

MEGAMAN® HAGON

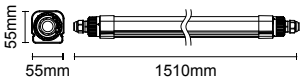
FOB77500v0-da

IP66 | IK08 | λ >0.9 | Class II | Flicker Free



FOB77600v0-da

IP66 | IK08 | λ >0.9 | Class II | Flicker Free



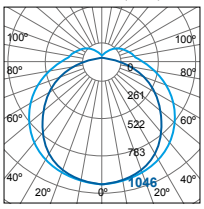
220-240V

Grey (SV16)

DALI VERSION

Model No.	Wattage (W)	Lumen (lm)	Luminous Efficacy (lm/W)	Beam Angle	Dimension (mm)	Colour Temp (CRI)	Rated Life at L80 B10 at Ta25°C (hrs)	Materials
FOB77500v0-da	33	4000	121	120/160^0 (Lambertian)	L210 x W55 x H55	4000K [≥80]	50000	Polycarbonate
FOB77600v0-da	50	6000	120	120/160^0 (Lambertian)	L1510 x W55 x H55	4000K [≥80]	50000	Polycarbonate

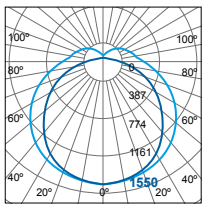
FOB77500v0-da (33W)



m	Lux	Ø cm
0.5	4184	567
1	1046	1134
1.5	465	1701
2	262	2269

Beam angle = 160°

FOB77600v0-da (50W)



m	Lux	Ø cm
0.5	6200	567
1	1550	1134
1.5	689	1701
2	388	2269

Beam angle = 160°

MEGAMAN® DINO 2

MEGAMAN® DINO 2

Integrated damp proof LED batten

To continue the successful story of our existing batten series, MEGAMAN® DINO 2 is designed to offer an ideal alternative to T5 and T8 waterproof battens for outdoor and indoor applications. It comes with sliding stainless steel clips for easy and flexible installation. The permanent live option of MEGAMAN® DINO 2 allows unswitched live supply to the luminaire or appliances (i.e. sensors, emergency lighting, CCTV, security alarm system, smoke detector and so on.) when the switch is off.

Both PIR sensor and emergency lighting options are available. MEGAMAN® DINO 2 with PIR version comes on when it senses movement of the human body. The MEGAMAN® DINO 2 emergency lighting module provides enough light for escape using its internal batteries in the event of power failure.

Features

- One piece structural design in plastic extrusion profile with IP66 protection, MEGAMAN® DINO 2 offers intrinsically superior protection against water and dust than conventional T5 and T8 outdoor waterproof battens
- Designed with a tough polycarbonate body with IK08 rating for vandal resistance
- Easy and flexible installation through sliding stainless steel clips. Enabling use of existing mounting holes to replace conventional light fittings
- High lumen output of up to 6500lm
- Cable entries and through wiring allow for linear series connection
- Compatible with attachable PIR sensor, allowing to form a master and slave light system

IP66 | IK08 | 50000 hrs | 3h | PIR Sensor

Applications

- Car parks
- Warehouses
- Workshops
- Underground areas

Max. number of connections

- 65 units for FOB61400v0-pl
- 59 units for FOB61500v0-pl
- 34 units for FOB61500v1-pl
- 39 units for FOB61600v0-pl
- 23 units for FOB61600v1-pl

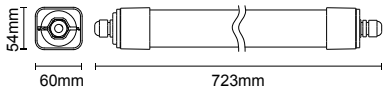
* Based on using 1.5mm² wire
* Number of looping up to 6A Max.

Integrated LED luminaire

MEGAMAN® DINO 2

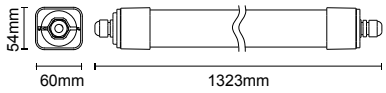
FOB61400v0-pl

IP66 | IK08 | λ >0.9 | Class II



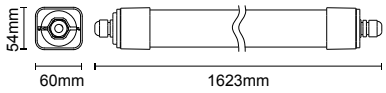
FOB61500v0-pl / FOB61500v1-pl

IP66 | IK08 | λ >0.9 | Class II



FOB61600v0-pl / FOB61600v0-pl

IP66 | IK08 | λ >0.9 | Class II



220-240V

Silver (SV16)

Permanent Live Option | Opal Prismatic Diffuser Options

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated Life at L80 B10 at Ta25°C (hrs)	Power Factor (λ)	Materials
FOB61400v0-pl	19	1750 [3000K] 1800 [4000K]	92 [3000K] 95 [4000K]	160	L723 x W60 x H54	3000K / 4000K [≥Ra80]	50000	>0.9	Polycarbonate with opal prismatic diffuser
FOB61500v0-pl	21	2250 [3000K] 2350 [4000K]	107 [3000K] 112 [4000K]	160	L1323 x W60 x H54	3000K / 4000K [≥Ra80]	50000	>0.9	Polycarbonate with opal prismatic diffuser
FOB61500v1-pl	36	4150 [3000K] 4300 [4000K]	115 [3000K] 119 [4000K]	160	L1323 x W60 x H54	3000K / 4000K [≥Ra80]	50000	>0.9	Polycarbonate with opal prismatic diffuser
FOB61600v0-pl	32	3500 [3000K] 3600 [4000K]	109 [3000K] 113 [4000K]	160	L1623 x W60 x H54	3000K / 4000K [≥Ra80]	50000	>0.9	Polycarbonate with opal prismatic diffuser
FOB61600v1-pl	53	6300 [3000K] 6500 [4000K]	119 [3000K] 123 [4000K]	160	L1623 x W60 x H54	3000K / 4000K [≥Ra80]	50000	>0.9	Polycarbonate with opal prismatic diffuser

Accessory

LA11155
PIR sensor module
L130 x W65 x H50mm

LA11156
Emergency module
L214 x W57 X H83mm

LA8066
Cover for concealing two end cable glands and power cable

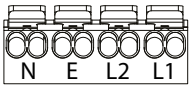
LA8021
Hook for suspension

LA8032
Theft proof bracket

Integrated LED luminaire

MEGAMAN® DINO 2

Permanent Live Option



L1: Permanent Live
L2: Switched Live

4-wire connection, allows unswitched live supply to the luminaire or appliances (i.e. CCTV, security alarm system, smoke detector, etc.) when the switch is off

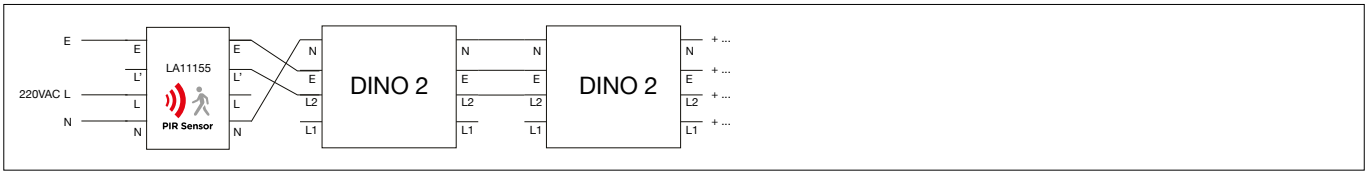
PIR Sensor

Application with PIR sensor module (model no.: LA11155)
When the switch is off, the PIR sensor modules in Group 1 and Group 2 are still connected. This allows the two PIR modules to work independently switching each group separately as they are activated. This allows 'corridor functionality', for example in an underground car park.

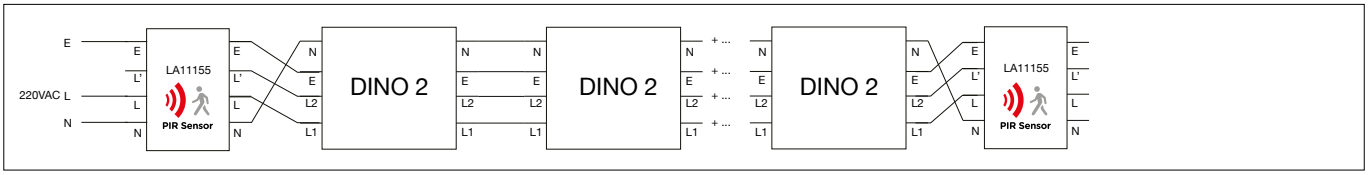
LA11155 DINO 2

PIR Sensor

DINO 2 with PIR module, Master - Slave

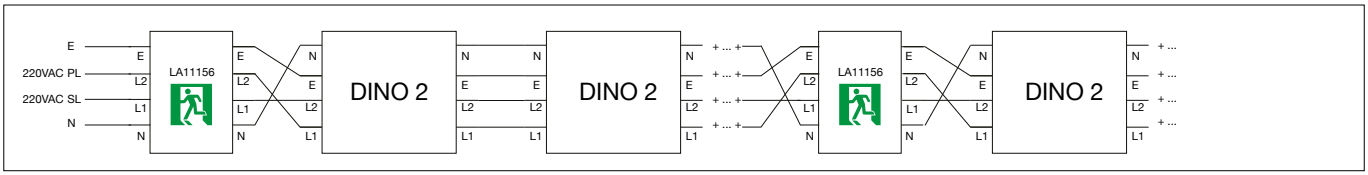


DINO 2 with PIR module, Master - Slave - Master

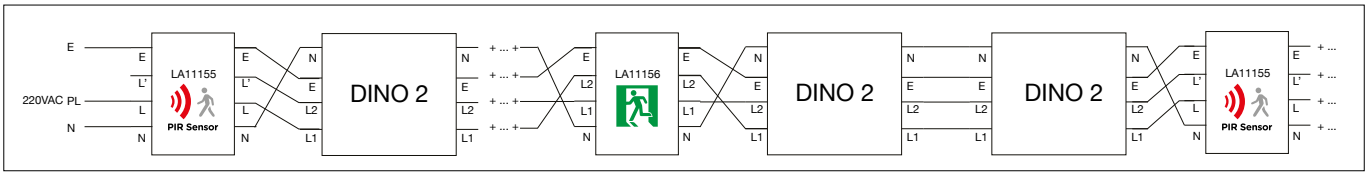


Application with Emergency Module (Model no. : LA11156)
Non-maintained emergency luminaires stay connected and charge on the permanent live, while the general lighting can work as usual on the switched circuit. In the event of power failure, the emergency units light up on their internal batteries.

DINO 2 with Emergency module



DINO 2 with PIR sensor module and Emergency module with Permanent live control only, especially for Tunnel or Underground car park application.

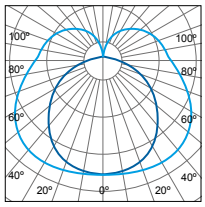


Integrated LED luminaire

MEGAMAN® DINO 2

DINO 2 Photometric Data

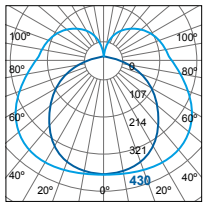
FOB61400v0-pl



m	Lux	Ø cm
0.5	1320	567
1	330	1134
1.5	147	1701
2	83	2269

Beam angle = 160°

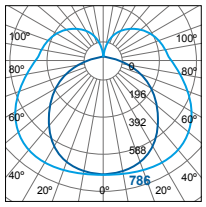
FOB61500v0-pl



m	Lux	Ø cm
0.5	1720	567
1	430	1134
1.5	191	1701
2	80	2269

Beam angle = 160°

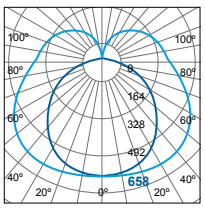
FOB61500v1-pl



m	Lux	Ø cm
0.5	3144	567
1	786	1134
1.5	349	1701
2	197	2269

Beam angle = 160°

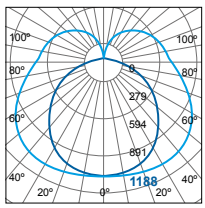
FOB61600v0-pl



m	Lux	Ø cm
0.5	2632	567
1	658	1134
1.5	292	1701
2	165	2269

Beam angle = 160°

FOB61600v1-pl



m	Lux	Ø cm
0.5	4752	567
1	1188	1134
1.5	528	1701
2	297	2269

Beam angle = 160°

Chemical Resistance

Chemical Agents	Polycarbonate	Strainless Steel
Acetic acid 10%	+	+
Acetone	-	+
Alcoholic beverages	+	+
Aluminium sulphate	+	o
Ammonia 5%	-	+
Aniline	-	+
Arsenic acid 20%	+	+
Benzene	-	o
Bencylic alcohol	-	o
Bromine	-	-
Calcium Chloride	+	o
Calcium nitrate	+	o
Carbon tetrachloride	-	o
Carbonic acid	-	+
Caustic potash 5%	-	o
Cement	+	o
Hydrochloric acid 1-5%	+	-
Chlorine liquids (vapours)	-	o
Chloroform	-	+
Chromic acid	o	o
Citric acid 20%	+	o
Copper sulphate	+	o
Diesel-naphta oil	o	+
Ethyl alcohol 30%	+	+
Ethyl chloride	-	+
Ethyl ether	-	o
food oils and fats	-	+
formic acid 10%	+	o
Glycerine	+	+

Chemical Agents	Polycarbonate	Strainless Steel
Hexane	+	+
Iodine	-	-
Iron chloride	+	-
Isopropylic alcohol	o	o
Lubricating oil	+	+
Magnesium sulphate	+	+
Methanol	-	+
Mineral oils	+	+
Nitric acid 20%	o	+
Oxygen	+	+
Ozone	+	o
Perchloric acid 10%	+	-
Petrol	-	+
Phenol	-	o
Pothassium bromide	+	o
Pothassium nitrate	+	o
Pothassium permanganate	+	o
Sea climate	+	o
Silicon oils	+	+
Soda bleach 15%	-	o
Sodium chloride	+	o
Sodium hydroxide 5%	-	o
Sodium sulphate	+	o
Sugar	+	+
Sulphur	+	o
Sulphuric acid 30%	+	-
Toluene	-	+
Trichloroethylene	-	o
Zinc sulphate	+	o

+	Resistant
o	Relatively resistant
-	Non-resistant

Integrated LED luminaire

MEGAMAN® DINO 2 FARM

Integrated LED luminaire

MEGAMAN® DINO 2 FARM

MEGAMAN® DINO 2 FARM

Integrated damp proof LED batten

LEDs need special protection from the aggressive chemical atmospheres in agricultural applications. MEGAMAN® DINO 2 FARM is designed to solve the problem in challenging areas such as animal husbandry. The chemical resistant housing materials, and the IP66 and IK04 ratings for ingress protection with high impact resistance enable it to withstand harsh farm environments. Furthermore, the tool-less wiring and fast fixing stainless steel mounting clips enable easy installation.

Features

- Special version of the popular DINO 2 waterproof batten for hostile agricultural environments
- Chemical resistant housing materials designed to withstand harsh farm locations
- Ideal for use in intensive animal husbandry such as pigsties and cowsheds where high levels of resistance to aggressive ammonia-containing gases is essential
- Airtight construction offers extra protection to the luminaire with the blockage of outside gas
- Durable and robust, sealed to IP66 for ingress protection with high impact resistance of IK04 Self-contained integrated LED units – flexible for installation and inventory management
- Excellent lighting performance of up to 6500lm
- Energy saving with efficacies up to 123lm/W
- Long Lifetime of 50,000 hrs L80, B10 for low maintenance and further cost saving
- Tool-less wiring and fast-fixing stainless steel mounting clips for easy installation
- DLG (Deutsche Landwirtschafts-Gesellschaft – German Agricultural Society) certified with ammonia resistant and is applicable for high pressure cleaning with a minimum distance of 15cm

Ammonia Resistant | 50000 hrs | IP66 | IK04 | Up to 123 lm/W

Applications

- Livestock husbandry (pigsties, cowsheds and poultry farm)

APPROVED 2019 DLG WWW.DLG.ORG
NEONLITE DISTRIBUTION
MEGAMAN® DINO 2 FARM
✓ Resistance to ammonia
✓ Cleaning distance
DLG Test Report 6983

Max. number of connections

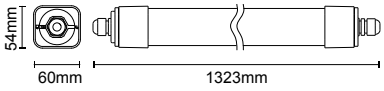
- 34 units for FOB70800v1-pl
- 23 units for FOB70900v1-pl

* Based on using 1.5mm² wire
* Number of looping up to 6A Max.

MEGAMAN® DINO 2 FARM

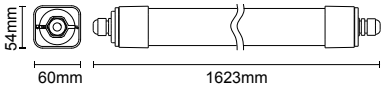
FOB70800v1-pl

IP66 | IK08 | λ >0.9 | Class II



FOB70900v1-pl

IP66 | IK08 | λ >0.9 | Class II

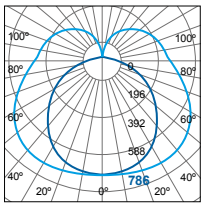


220-240V

Silver (SV16)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Dimension (mm)	Colour Temp. [CRI]	Rated life at L80 B10 at Ta25°C (hrs)	Power Factor (λ)	Material
FOB70800v1-pl	36	4150 [3000K] 4300 [4000K]	115 [3000K] 119 [4000K]	120	L1323 x W60 x H54	3000K / 4000K [≥Ra80]	50000	>0.9	End cap made of polyamide with PMMA diffuser
FOB70900v1-pl	53	6300 [3000K] 6500 [4000K]	119 [3000K] 123 [4000K]	120	L1623 x W60 x H54	3000K / 4000K [≥Ra80]	50000	>0.9	End cap made of polyamide with PMMA diffuser

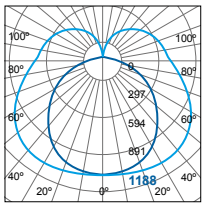
FOB70800v1-pl



m	Lux	Ø cm
0.5	3144	173
1	786	346
1.5	349	520
2	197	693

Beam angle = 120°

FOB70900v1-pl



m	Lux	Ø cm
0.5	4752	173
1	1188	346
1.5	528	520
2	297	693

Beam angle = 120°

Integrated LED luminaire

MEGAMAN® DINO 2 FARM

Chemical Resistance

Chemical Agents	Polycarbonate	PMMA	Strainless Steel
Acetic acid 10%	+	+	+
Acetone	-	-	+
Alcoholic beverages	+	o	+
Aluminium sulphate	+	+	o
Ammonia 5%	-	+	+
Aniline	-	-	+
Arsenic acid 20%	+	+	+
Benzene	-	-	o
Bencylic alcohol	-	-	o
Bromine	-	-	-
Calcium Chloride	+	+	o
Calcium nitrate	+	+	o
Carbon tetrachloride	-	-	o
Carbonic acid	-	-	+
Caustic potash 5%	-	+	o
Cement	+	+	o
Hydrochloric acid 1-5%	+	+	-
Chlorine liquids (vapours)	-	-	o
Chloroform	-	-	+
Chromic acid	o	o	o
Citric acid 20%	+	+	o
Copper sulphate	+	+	o
Diesel-naphta oil	o	+	+
Ethyl alcohol 30%	+	o	+
Ethyl chloride	-	-	+
Ethyl ether	-	-	o
food oils and fats	-	+	+
formic acid 10%	+	+	o
Glycerine	+	+	+

Chemical Agents	Polycarbonate	PMMA	Strainless Steel
Hexane	+	+	+
Iodine	-	+	-
Iron chloride	+	+	-
Isopropylic alcohol	o	o	o
Lubricating oil	+	+	+
Magnesium sulphate	+	+	+
Methanol	-	o	+
Mineral oils	+	+	+
Nitric acid 20%	o	+	+
Oxygen	+	+	+
Ozone	+	+	o
Perchloric acid 10%	+	+	-
Petrol	-	+	+
Phenol	-	-	o
Pothassium bromide	+	+	o
Pothassium nitrate	+	+	o
Pothassium permanganate	+	+	o
Sea climate	+	+	o
Silicon oils	+	o	+
Soda bleach 15%	-	+	o
Sodium chloride	+	+	o
Sodium hydroxide 5%	-	+	o
Sodium sulphate	+	+	o
Sugar	+	+	+
Sulphur	+	+	o
Sulphuric acid 30%	+	+	-
Toluene	-	-	+
Trichloroethylene	-	-	o
Zinc sulphate	+	+	o

+	Resistant
o	Relatively resistant
-	Non-resistant

MEGAMAN® ROCCO

Integrated LED luminaire

MEGAMAN® ROCCO

MEGAMAN® ROCCO

Traditional Waterproof LED Batten

MEGAMAN® ROCCO is a basic solution for general lighting that provide quality of light, substantial energy and maintenance saving. It is an ideal replacement for traditional waterproof batten with fluorescent lamps, with addition optional features of built in microwave sensor and 3 hour emergency kit to provide functional flexibility with a consistent outlook.

Features

- Plug & play sensor and emergency kit modular enhance the flexibility for inventory
- ON/OFF Traditional waterproof LED batten
- Capable with 3 x 1.5mm^2 -2.5mm^2 cable entry
- Durable water and vandal resistant construction with IP65 & IK10 rating
- 4 different lengths 600mm, 1200mm, 1500mm & 1800mm
- Flicker Free <3%
- Stainless steel mounting clips; fitted with UK Beza box mounting

IP65 | IK10 | Flicker Free ≤3% | 30000 hrs | Microwave Motion Sensor | 3h

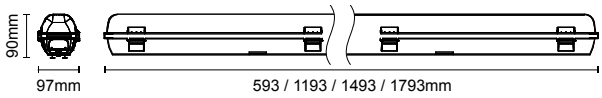
Applications

- Car parks
- Warehouses
- Stairwells
- Corridors
- Patios

Hook for Suspension Installation

MEGAMAN® ROCCO

IP65 | IK10 | λ >0.9 | Class I | 120°



FOB75600v0 FOB76900v0
FOB75700v0 FOB77000v0
FOB75800v0 FOB77100v0
FOB75900v0 FOB77200v0

Microwave Motion Sensor

FOB75600v0-ms FOB76900v0-ms
FOB75700v0-ms FOB77000v0-ms
FOB75800v0-ms FOB77100v0-ms
FOB75900v0-ms FOB77200v0-ms

3h

FOB75700v0-em FOB77000v0-em
FOB75800v0-em FOB77100v0-em
FOB75900v0-em FOB77200v0-em

Microwave Motion Sensor + 3h

FOB75700v0-em/ms FOB77000v0-em/ms
FOB75800v0-em/ms FOB77100v0-em/ms
FOB75900v0-em/ms FOB77200v0-em/ms

220-240V

Silver (SV12)

Single Tube Replacement

Model No. (Non-loopthrough)	Model No. (Loopthrough)	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Dimension (mm)	Colour Temp (CRI)	Rated Life @ L70B50 @ Ta25°C (hrs)	Materials
Standard Version								
FOB75600v0	FOB76900v0	12	1080	90	L593 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
FOB75700v0	FOB77000v0	20	1800	90	L1193 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
FOB75800v0	FOB77100v0	30	2700	90	L1493 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
FOB75900v0	FOB77200v0	40	3600	90	L1793 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
With Microwave Sensor								
FOB75600v0-ms	FOB76900v0-ms	13	1080	83	L593 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
FOB75700v0-ms	FOB77000v0-ms	21	1800	86	L1193 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
FOB75800v0-ms	FOB77100v0-ms	31	2700	87	L1493 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
FOB75900v0-ms	FOB77200v0-ms	41	3600	88	L1793 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
With Emergency								
FOB75700v0-em	FOB77000v0-em	22	1800	82	L1193 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
FOB75800v0-em	FOB77100v0-em	32	2700	84	L1493 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
FOB75900v0-em	FOB77200v0-em	42	3600	86	L1793 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
With Microwave Sensor and Emergency								
FOB75700v0-em/ms	FOB77000v0-em/ms	25	1800	72	L1193 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
FOB75800v0-em/ms	FOB77100v0-em/ms	35	2700	77	L1493 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
FOB75900v0-em/ms	FOB77200v0-em/ms	45	3600	80	L1793 x W94 x H90	4000K [Ra80]	30000	Polycarbonate

** Operation temperature from -30°C to +45°C; White models emergency modular is 0°C to +35°C

Integrated LED luminaire

MEGAMAN® ROCCO

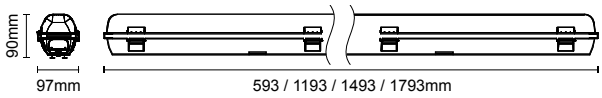
FOB75600v1
FOB75700v1
FOB75800v1
FOB75900v1
FOB76900v1
FOB77000v1
FOB77100v1
FOB77200v1

FOB75600v1-ms
FOB75700v1-ms
FOB75800v1-ms
FOB75900v1-ms
FOB76900v1-ms
FOB77000v1-ms
FOB77100v1-ms
FOB77200v1-ms

FOB75700v1-em
FOB75800v1-em
FOB75900v1-em
FOB77000v1-em
FOB77100v1-em
FOB77200v1-em

FOB75700v1-em/ms
FOB75800v1-em/ms
FOB75900v1-em/ms
FOB77000v1-em/ms
FOB77100v1-em/ms
FOB77200v1-em/ms

IP65 | IK10 | λ >0.9 | Class I | 120°



220-240V

Silver (SV12)

Double Tube Replacement

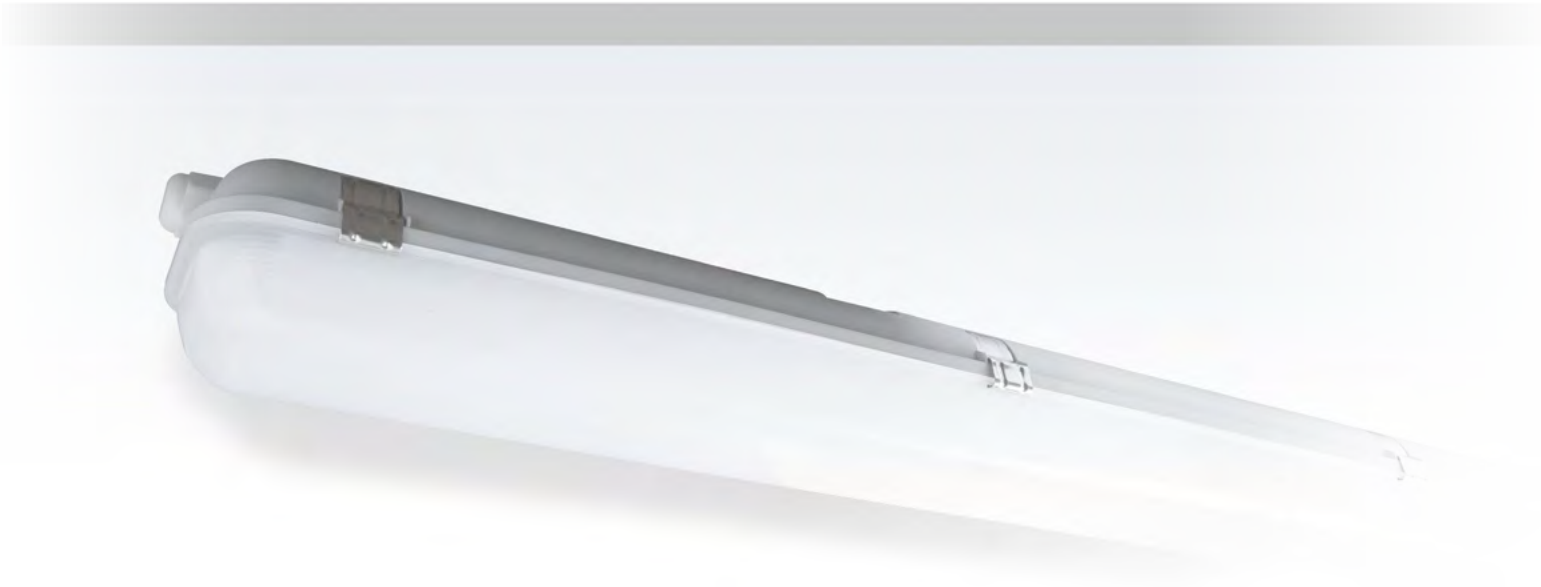
Model No. (Non-loopthrough)	Model No. (Loopthrough)	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Dimension (mm)	Colour Temp (CRI)	Rated Life @ L70B50 @ Ta25°C (hrs)	Materials
Standard Version								
FOB75600v1	FOB76900v1	20	1800	90	L593 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
FOB75700v1	FOB77000v1	40	3600	90	L1193 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
FOB75800v1	FOB77100v1	60	5400	90	L1493 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
FOB75900v1	FOB77200v1	80	7200	90	L1793 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
With Microwave Sensor								
FOB75600v1-ms	FOB76900v1-ms	21	1800	86	L593 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
FOB75700v1-ms	FOB77000v1-ms	41	3600	88	L1193 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
FOB75800v1-ms	FOB77100v1-ms	61	5400	89	L1493 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
FOB75900v1-ms	FOB77200v1-ms	81	7200	89	L1793 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
With Emergency								
FOB75700v1-em	FOB77000v1-em	42	3600	86	L1193 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
FOB75800v1-em	FOB77100v1-em	64	5400	84	L1493 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
FOB75900v1-em	FOB77200v1-em	84	7200	86	L1793 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
With Microwave Sensor and Emergency								
FOB75700v1-em/ms	FOB77000v1-em/ms	45	3600	80	L1193 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
FOB75800v1-em/ms	FOB77100v1-em/ms	65	5400	83	L1493 x W94 x H90	4000K [Ra80]	30000	Polycarbonate
FOB75900v1-em/ms	FOB77200v1-em/ms	85	7200	85	L1793 x W94 x H90	4000K [Ra80]	30000	Polycarbonate

** Operation temperature from -30°C to +45°C; White models emergency modular is 0°C to +35°C

Integrated LED luminaire

MEGAMAN® ROCCA

essentials MEGAMAN®
+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +



Integrated LED luminaire

MEGAMAN® ROCCA

MEGAMAN® ROCCA

Traditional Waterproof LED Batten

MEGAMAN® ROCCA is basic solution for general lighting that provide quality of light, substantial energy and maintenance saving. It is an ideal replacement for traditional waterproof batten with fluorescent lamps, with additional optional features of built in microwave sensor and 3 hours emergency kit to provide functional flexibility with a consistent outlook.

Features

- Replacement for traditional waterproof batten
- Built in Microwave sensor and Emergency provide a consistent outlook with standard version
- Durable water and vandal resistant construction with IP65 and IK08 rating
- 4 different lengths 600mm, 1200mm, 1500mm and 1800mm
- Easy installation and Tool-less wiring
- Sensor and Emergency options available
- Durable corrosion free Nylon clips
- Capable to mount in UK Beza Box

Hook for Suspension Installation

IP65 | IK08 | Flicker Free | 40000 hrs | Microwave Motion Sensor | 3h

Applications

- Car parks
- Warehouses
- Stairwells
- Corridors
- Patios

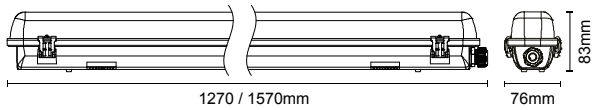
Integrated LED luminaire

MEGAMAN® ROCCA

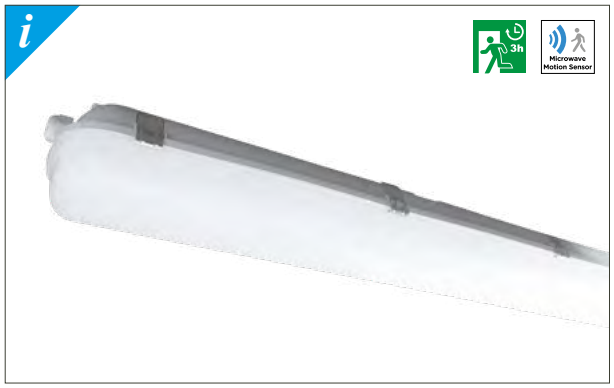
essentials MEGAMAN®
+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +

FOB78400v0
FOB78500v0

110° IP65 IK08 Flicker Free



FOB78600v0



110° IP65 IK08 Flicker Free

220-240V

Silver (SV12)

Single Tube Replacement

Model No.	Wattage (W)	Luminous Flux (lm)	Efficiency (lm/W)	Colour Temp. (CRI)	Beam Angle (°)	Dimension (mm)	Rated Life @L70B50 @ Ta25°C (hrs)	Materials
Standard Version								
FOB78400v0	20	2500	125	4000K [≥80]	110	L1270 x W76 x H83	40000	Anti-UV Plastic housing + PC diffuser
FOB78500v0	28	3600	129	4000K [≥80]	110	L1570 x W76 x H83	40000	Anti-UV Plastic housing + PC diffuser
FOB78600v0	34	4200	124	4000K [≥80]	110	L1865 x W148 x H86	40000	Anti-UV Plastic housing + PC diffuser
With Microwave Sensor								
FOB78400v0-ms	21	2500	119	4000K [≥80]	110	L1270 x W76 x H83	40000	Anti-UV Plastic housing + PC diffuser
FOB78500v0-ms	29	3600	124	4000K [≥80]	110	L1570 x W76 x H83	40000	Anti-UV Plastic housing + PC diffuser
FOB78600v0-ms	35	4200	120	4000K [≥80]	110	L1865 x W148 x H86	40000	Anti-UV Plastic housing + PC diffuser
With Emergency								
FOB78400v0-em	21	2500	119	4000K [≥80]	110	L1270 x W76 x H83	40000	Anti-UV Plastic housing + PC diffuser
FOB78500v0-em	29	3600	124	4000K [≥80]	110	L1570 x W76 x H83	40000	Anti-UV Plastic housing + PC diffuser
FOB78600v0-em	35	4200	120	4000K [≥80]	110	L1865 x W148 x H86	40000	Anti-UV Plastic housing + PC diffuser
With Microwave Sensor and Emergency								
FOB78400v0-em/ms	22	2500	114	4000K [≥80]	110	L1270 x W76 x H83	40000	Anti-UV Plastic housing + PC diffuser
FOB78500v0-em/ms	30	3600	120	4000K [≥80]	110	L1570 x W76 x H83	40000	Anti-UV Plastic housing + PC diffuser
FOB78600v0-em/ms	36	4200	117	4000K [≥80]	110	L1865 x W148 x H86	40000	Anti-UV Plastic housing + PC diffuser

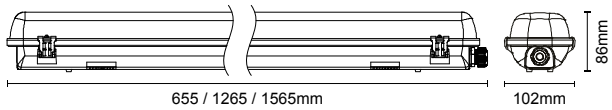
** Operation temperature from -30°C to +45°C; White models emergency modular is 0°C to +35°C

Integrated LED luminaire

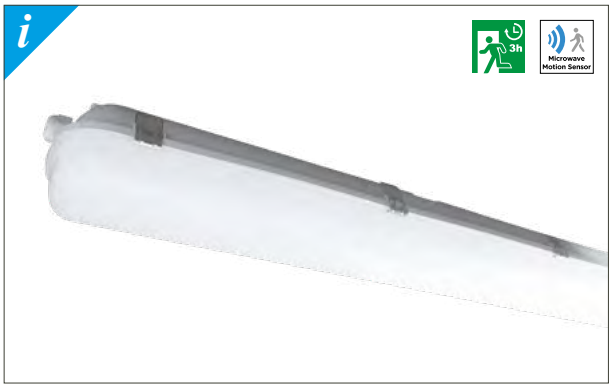
MEGAMAN® ROCCA

FOB79200v0
FOB79300v0
FOB79400v0

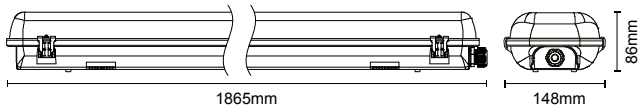
110° IP65 IK08 Flicker Free



FOB78600v1



110° IP65 IK08 Flicker Free



220-240V

Silver (SV12)

Double Tube Replacement

Model No.	Wattage (W)	Luminous Flux (lm)	Efficiency (lm/W)	Colour Temp. (CRI)	Beam Angle (°)	Dimension (mm)	Rated Life @L70B50 @ Ta25°C (hrs)	Materials
Standard Version								
FOB79200v0	30	3600	120	4000K [≥80]	110	L655 x W102 x H86	40000	Anti-UV Plastic housing + PC diffuser
FOB79300v0	40	4800	120	4000K [≥80]	110	L1265 x W102 x H86	40000	Anti-UV Plastic housing + PC diffuser
FOB79400v0	56	6800	121	4000K [≥80]	110	L1565 x W102 x H86	40000	Anti-UV Plastic housing + PC diffuser
FOB78600v1	70	9100	130	4000K [≥80]	110	L1865 x W148 x H86	40000	Anti-UV Plastic housing + PC diffuser
With Microwave Sensor								
FOB79200v0-ms	31	3600	116	4000K [≥80]	110	L655 x W102 x H86	40000	Anti-UV Plastic housing + PC diffuser
FOB79300v0-ms	41	4800	117	4000K [≥80]	110	L1265 x W102 x H86	40000	Anti-UV Plastic housing + PC diffuser
FOB79400v0-ms	57	6800	119	4000K [≥80]	110	L1565 x W102 x H86	40000	Anti-UV Plastic housing + PC diffuser
FOB78600v1-ms	71	9100	128	4000K [≥80]	110	L1865 x W148 x H86	40000	Anti-UV Plastic housing + PC diffuser
With Emergency								
FOB79200v0-em	31	3600	116	4000K [≥80]	110	L655 x W102 x H86	40000	Anti-UV Plastic housing + PC diffuser
FOB79300v0-em	41	4800	117	4000K [≥80]	110	L1265 x W102 x H86	40000	Anti-UV Plastic housing + PC diffuser
FOB79400v0-em	57	6800	119	4000K [≥80]	110	L1565 x W102 x H86	40000	Anti-UV Plastic housing + PC diffuser
FOB78600v1-em	71	9100	128	4000K [≥80]	110	L1865 x W148 x H86	40000	Anti-UV Plastic housing + PC diffuser
With Microwave Sensor and Emergency								
FOB79200v0-em/ms	32	3600	113	4000K [≥80]	110	L655 x W102 x H86	40000	Anti-UV Plastic housing + PC diffuser
FOB79300v0-em/ms	42	4800	114	4000K [≥80]	110	L1265 x W102 x H86	40000	Anti-UV Plastic housing + PC diffuser
FOB79400v0-em/ms	58	6800	117	4000K [≥80]	110	L1565 x W102 x H86	40000	Anti-UV Plastic housing + PC diffuser
FOB78600v1-em/ms	72	9100	126	4000K [≥80]	110	L1865 x W148 x H86	40000	Anti-UV Plastic housing + PC diffuser

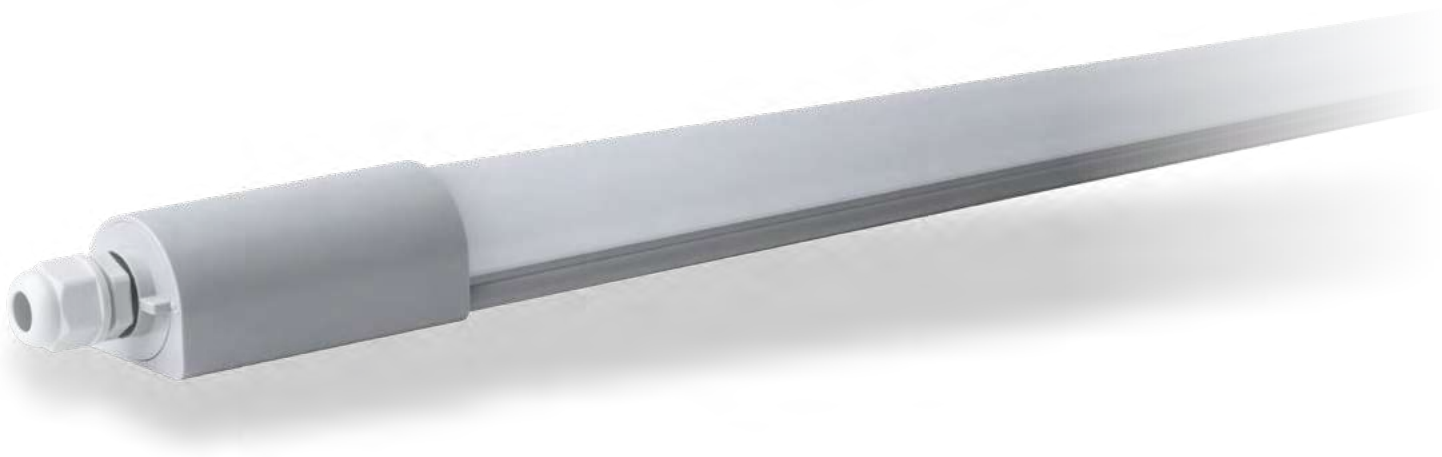
** Operation temperature from -30°C to +45°C; White models emergency modular is 0°C to +35°C

Integrated LED luminaire

MEGAMAN® BEGO

essentials MEGAMAN®

+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +



Integrated LED luminaire

MEGAMAN® BEGO

MEGAMAN® BEGO

Integrated damp proof batten

MEGAMAN® BEGO is a cost-effective and reliable LED batten minimizing the initial investment without compromising flexibility. It is available in three lengths and two versions (loop through and non-loop through). MEGAMAN® BEGO is an ideal luminaire range for applications such as car parks and warehouses, while delivering a significant lighting performance.

Features

- Designed with a tough polycarbonate body with IK08 rating for vandal resistance
- Flicker free
- Cable entries and through wiring allow for linear series connection
- DC input compatible (DC178 – 260V)

Tool-less wiring

Flicker free | IP65 | IK08 | 35000 hrs

Applications

- Car parks
- Garages
- Under canopy
- Subways
- Workshops
- Warehouses and similar applications

Plug-and Play : Connect up to

- 73 units for FOB74700v0
- 37 units for FOB74800v0
- 24 units for FOB74900v0

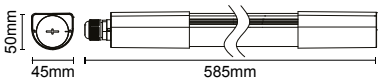
* Based on using 1.5mm² wire

Integrated LED luminaire

MEGAMAN® BEGO

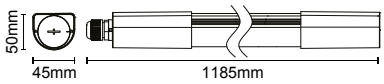
FOB75300v0

IP65 | λ >0.9 | Class II | Flicker Free



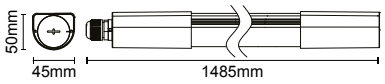
FOB75400v0

IP65 | λ >0.9 | Class II | Flicker Free



FOB75500v0

IP65 | λ >0.9 | Class II | Flicker Free



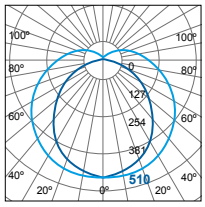
220-240V

Grey (SV16)

With loop through

Model No.	Wattage (W)	Luminous Flux (lm)	Lm/W	Colour Temp.	CRI	Dimension (mm)	Rated Life at L70B50 at Ta25°C (hrs)	Materials
FOB75300v0	17	2000	118	4000K	≥80	W45 x H50 x L580	35000	Polycarbonate
FOB75400v0	33	4000	121	4000K	≥80	W45 x H50 x L1180	35000	Polycarbonate
FOB75500v0	50	6000	120	4000K	≥80	W45 x H50 x L1480	35000	Polycarbonate

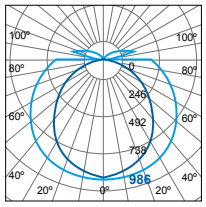
FOB75300v0



m	Lux	Ø cm
0.5	2040	567
1	510	1134
1.5	227	1701
2	128	2269

Beam angle = 160°

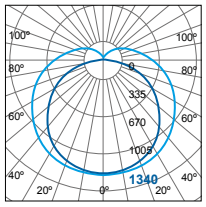
FOB75400v0



m	Lux	Ø cm
0.5	3944	173
1	986	346
1.5	438	520
2	247	693

Beam angle = 120°

FOB75500v0



m	Lux	Ø cm
0.5	5360	173
1	1340	346
1.5	596	520
2	335	693

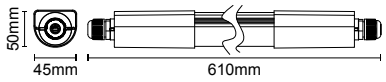
Beam angle = 120°

Integrated LED luminaire

MEGAMAN® BEGO

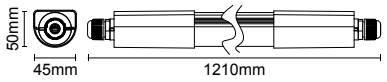
FOB74700v0

IP65 | λ >0.9 | Class II | Flicker Free



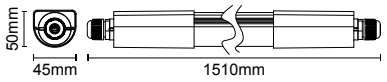
FOB74800v0

IP65 | λ >0.9 | Class II | Flicker Free



FOB74900v0

IP65 | λ >0.9 | Class II | Flicker Free



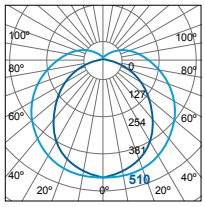
220-240V

Grey (SV16)

With loop through

Model No.	Wattage (W)	Luminous Flux (lm)	Lm/W	Colour Temp.	CRI	Dimension (mm)	Rated Life at L70B50 at Ta25°C (hrs)	Materials
FOB74700v0	17	2000	118	4000K	≥80	W45 x H50 x L610	35000	Polycarbonate
FOB74800v0	33	4000	121	4000K	≥80	W45 x H50 x L1210	35000	Polycarbonate
FOB74900v0	50	6000	120	4000K	≥80	W45 x H50 x L1510	35000	Polycarbonate

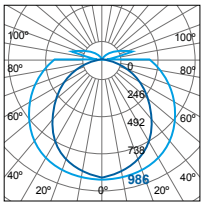
FOB74700v0



m	Lux	Ø cm
0.5	2040	567
1	510	1134
1.5	227	1701
2	128	2269

Beam angle = 160°

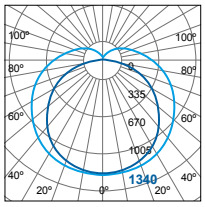
FOB74800v0



m	Lux	Ø cm
0.5	3944	173
1	986	346
1.5	438	520
2	247	693

Beam angle = 120°

FOB74900v0



m	Lux	Ø cm
0.5	5360	173
1	1340	346
1.5	596	520
2	335	693

Beam angle = 120°

Integrated LED luminaire

MEGAMAN® TEMPUS

MEGAMAN® Performa FIXTURE RANGE
HIGH PERFORMANCE & QUALITY FROM MEGAMAN®

essentials MEGAMAN®
+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +

** With Self-Test Function

* With manual Test Function

Integrated LED luminaire

MEGAMAN® TEMPUS

MEGAMAN® TEMPUS

Emergency Lighting

The purpose of emergency lighting is to provide light in the event of a mains or local power supply failure, therefore having a proper emergency lighting in place is a major concern for the builders. MEGAMAN® TEMPUS has a wide range of products to cater different applications.

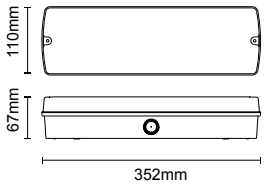
- Slim Bulkhead
- Exit box
- Exit Sign
- Recessed Downlight
- Surface Mounted Downlight
- Twinspot
- Emergency Module

Integrated LED luminaire

MEGAMAN® TEMPUS

FEL70500v0-em
FEL70500v0-em/st

120° IP65 IK03



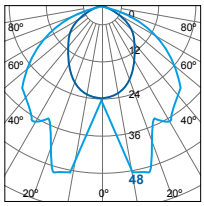
220-240V

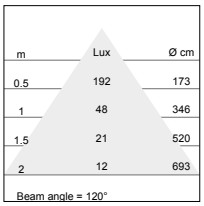
White (WH12)

Model No.	Power (W)	Luminous Flux (lm)	Colour Temp.	Battery	Emergency Duration (hrs)	Materials
FEL70500v0-em	4	140	6500K	3.6V 1000mAh Ni-MH	3	Polycarbonate
FEL70500v0-em/st Self-Test function	4	140	6500K	3.6V 1000mAh Ni-MH	3	Polycarbonate

Model No.	Battery	Output Voltage (VDC)	Capacity mAh
LA11171	Ni-MH	3.6	1000

FEL70500v0-em
FEL70500v0-em/st





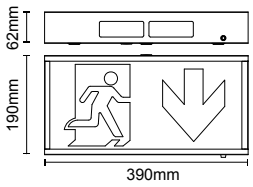
Features

- 3 hours emergency duration
- Maintained / non-maintained operation mode
- IP65 protection from water and dust
- Multi- purpose application
- All direction exit sign stickers included Light in weight, easy installation
- Durable polycarbonate housing, corrosion resistant
- Integral status indicator

MEGAMAN® TEMPUS

FEL70600v0-em
FEL70600v0-em/st

120° IP65 IK03



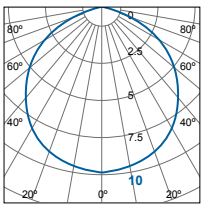
220-240V

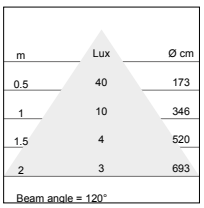
White (WH12)

Model No.	Power (W)	Luminous Flux (lm)	Colour Temp.	Battery	Emergency Duration (hrs)	Materials
FEL70600v0-em	5	35	6500K	3.6V 1800mAh Ni-Cd	3	Steel
FEL70600v0-em/st Self-Test function	5	35	6500K	3.6V 1800mAh Ni-Cd	3	Steel

Model No.	Battery	Output Voltage (VDC)	Capacity mAh
LA11172	Ni-Cd	3.6	1800

FEL70600v0-em
FEL70600v0-em/st





Features

- 3 hours emergency duration
- Maintained/ Non-maintained operation mode
- Durable steel housing with anti-corrosion powder coating
- Easy exit pictogram mounting
- Integrated downlighter
- Integral status indicator
- Test button

Accessory

LA8089
Direction PVC film,
Arrow left

LA8090
Direction PVC film,
Arrow right

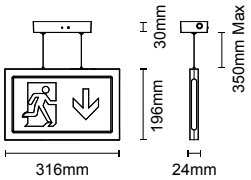
LA8091
Direction PVC film,
Arrow upward

Integrated LED luminaire

MEGAMAN® TEMPUS

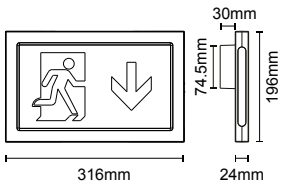
FEL70700v0-em

IP20



FEL70800v0-em
FEL70800v0-em/st

IP20



FEL71000v0-em/st

IP20

220-240V

White (WH26)

Installation	Model No.	Power (W)	Luminous Flux (lm)	Colour Temp.	Battery	Emergency Duration (hrs)	Materials
Ceiling/ Cord suspension	FEL70700v0-em	3.5	35	6500K	3.6V 1000mAh Ni-MH	3	Polycarbonate
Wall Mount	FEL70800v0-em	3.5	35	6500K	3.6V 1000mAh Ni-MH	3	Polycarbonate
Wall Mount	FEL70800v0-em/st **Self-Test function**	3.5	35	6500K	3.6V 1000mAh Ni-MH	3	Polycarbonate
Surface Mount	FEL71000v0-em/st **Self-Test function**	3.5	35	6500K	3.6V 1000mAh Ni-MH	3	Polycarbonate

Model No.	Battery	Output Voltage (VDC)	Capacity mAh
LA11171	Ni-MH	3.6	1000

Features

- 3 hours emergency duration
- Maintained operation mode
- Flexible ceiling and cord suspended mounted in one fittings (FEL70700v0-em)
- Max. 500mm length suspension cord (FEL70700v0-em)
- Easy mounting 2-side pictogram (FEL70700v0-em)
- Wall mounted (FEL70800v0-em, FEL70800v0-em/st)
- Easy mounting 1-side pictogram (FEL70800v0-em, FEL70800v0-em/st)
- Integral status indicator

Accessory

LA8088
Direction PVC film,
Arrow left (flip over = Arrow right)

LA8092
Direction PVC film,
Arrow up

MEGAMAN® TEMPUS

FEL70900v0-em
FEL70900v0-em/st

IP20

220-240V

Installation	Model No.	Power (W)	Luminous Flux (lm)	Colour Temp.	Battery	Emergency Duration (hrs)	Materials
Recessed	FEL70900v0-em	3.5	35	6500K	3.6V 1000mAh Ni-MH	3	Aluminium
Recessed	FEL70900v0-em/st Self-Test function	3.5	35	6500K	3.6V 1000mAh Ni-MH	3	Aluminium

Model No.	Battery	Output Voltage (VDC)	Capacity mAh
LA11171	Ni-MH	3.6	1000

Accessory

LA8088
Direction PVC film,
Arrow left (flip over = Arrow right)

LA8092
Direction PVC film,
Arrow up

Features

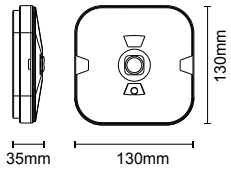
- 3 hours emergency duration
- Maintained operation mode
- Flexible ceiling and cord suspended mounted in one fittings (FEL70700v0-em)
- Max. 500mm length suspension cord (FEL70700v0-em)
- Easy mounting 2-side pictogram (FEL70700v0-em)
- Wall mounted (FEL70800v0-em, FEL70800v0-em/st)
- Easy mounting 1-side pictogram (FEL70800v0-em, FEL70800v0-em/st)
- Integral status indicator

Integrated LED luminaire

MEGAMAN® TEMPUS

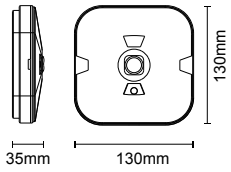
FEL70300v0-em
FEL70300v0-em/st

IP54



FEL70400v0-em
FEL70400v0-em/st

IP54



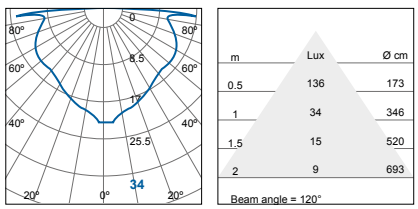
220-240V

White (WH12)

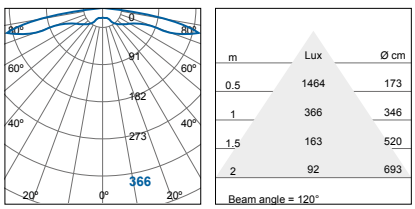
Model No.	Emergency Power (Max. W)	Luminous Flux (lm)	Colour Temp.	Battery	Emergency Duration (hrs)	Materials
FEL70300v0-em	3	130	6000K	3.3V 1500mAh $LiFePO_4$	3	Polycarbonate
FEL70300v0-em/st Self-Test function	3	130	6000K	3.3V 1500mAh $LiFePO_4$	3	Polycarbonate
FEL70400v0-em	3	130	6000K	3.3V 1500mAh $LiFePO_4$	3	Polycarbonate
FEL70400v0-em/st Self-Test function	3	130	6000K	3.3V 1500mAh $LiFePO_4$	3	Polycarbonate

Model No.	Battery	Output Voltage (VDC)	Capacity mAh
LA11174	$LiFePO_4$	3.2	1500

FEL70300v0-em
FEL70300v0-em/st



FEL70400v0-em
FEL70400v0-em/st



Features

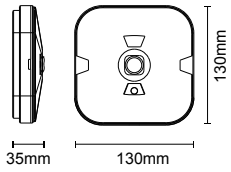
- 3 hours emergency duration
- Non-maintained operation mode
- IP54 Protection
- Compact in size
- Advanced $LiFePO_4$ battery
- Touch testing button
- Open area and corridor optics versions available
- Comply with EN 60598-2-22, UN 38 3 and IES 62133
- Overcharge and over-discharge protection, over-temperature protection, short circuit protection
- Integral status indicator

Integrated LED luminaire

MEGAMAN® TEMPUS

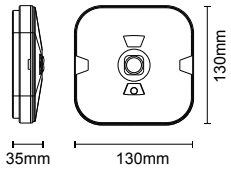
FEL71100v0-em+018D
FEL71100v0-em/st+018D

IP54



FEL71100v0-em+045D
FEL71100v0-em/st+045D

IP54



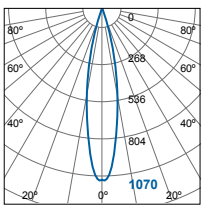
220-240V

White (WH12)

Model No.	Emergency Power (Max. W)	Luminous Flux (lm)	Beam Angle (°)	Colour Temp.	Battery	Emergency Duration (hrs)	Materials
FEL71100v0-em+018D	3	200	18	6000K	3.2V 3000mAh LiFePO4	3	Polycarbonate
FEL71100v0-em/st+018D Self-Test function	3	200	18	6000K	3.2V 3000mAh LiFePO4	3	Polycarbonate
FEL71100v0-em+045D	3	200	45	6000K	3.2V 3000mAh LiFePO4	3	Polycarbonate
FEL71100v0-em/st+045D Self-Test function	3	200	45	6000K	3.2V 3000mAh LiFePO4	3	Polycarbonate

Model No.	Battery	Output Voltage (VDC)	Capacity mAh
LA11203	$LiFePO_4$	6.4	1500

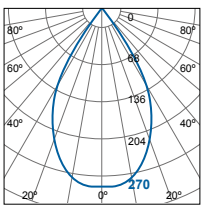
FEL71100v0-em+018D
FEL71100v0-em/st+018D



m	Lux	Ø cm
0.5	4280	16
1	1070	32
1.5	476	48
2	268	63

Beam angle = 18°

FEL71100v0-em+045D
FEL71100v0-em/st+045D



m	Lux	Ø cm
0.5	1080	41
1	270	83
1.5	120	124
2	68	166

Beam angle = 45°

Features

- 3 hours emergency duration
- Non-maintained operation mode
- IP54 Protection
- Compact in size
- Advanced $LiFePO_4$ battery
- Touch testing button
- Highbay optics and Midbay optics available
- Comply with EN 60598-2-22, UN 38 3 and IES 62133
- Overcharge and over-discharge protection, over-temperature protection, short circuit protection
- Integral status indicator

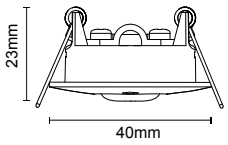
Integrated LED luminaire

MEGAMAN® TEMPUS

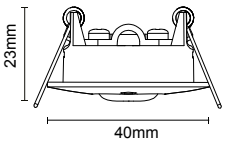
FEL70100v0-em
FEL70100v0-em/st

FEL70200v0-em
FEL70200v0-em/st

IP20



IP20



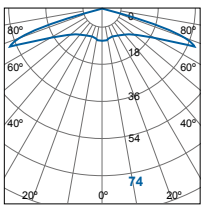
220-240V

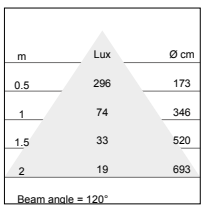
White (WH12)

Model No.	Emergency Power (Max. W)	Luminous Flux (lm)	Colour Temp.	Battery	Emergency Duration (hrs)	Materials
FEL70100v0-em	3	120	6000K	3.3V 1500mAh $LiFePO_4$	3	Polycarbonate
FEL70100v0-em/st Self-Test function	3	120	6000K	3.3V 1500mAh $LiFePO_4$	3	Polycarbonate
FEL70200v0-em	3	120	6000K	3.3V 1500mAh $LiFePO_4$	3	Polycarbonate
FEL70200v0-em/st Self-Test function	3	120	6000K	3.3V 1500mAh $LiFePO_4$	3	Polycarbonate

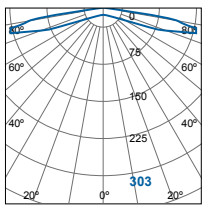
Model No.	Battery	Output Voltage (VDC)	Capacity mAh
LA11174	$LiFePO_4$	3.2	1500

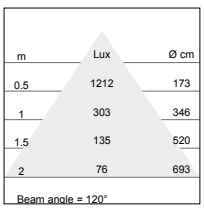
FEL70100v0-em
FEL70100v0-em/st





FEL70200v0-em
FEL70200v0-em/st





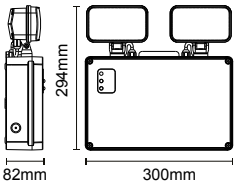
Features

- 3 hours emergency duration
- Non-maintained operation mode
- 850°C glow-wiring test
- Super slim design
- Advanced $LiFePO_4$ battery
- SELV Constant current output
- Comply with EN 60598-2-22, UN 38 3 and IES 62133
- Overcharge and over-discharge protection, over-temperature protection, short circuit protection
- Integral status indicator

MEGAMAN® TEMPUS

FEL70000v0-em
FEL70000v0-em/st

IP65 | Class II



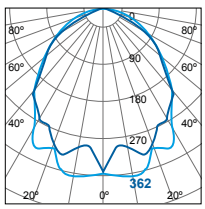
220-240V

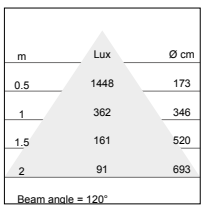
White (WH12)

Model No.	Emergency Power (Max. W)	Luminous Flux (lm)	Colour Temp.	Emergency Duration (hrs)	Materials
FEL70000v0-em	2.3	400	6500K	3	Polycarbonate
FEL70000v0-em/st Self-Test function	2.3	400	6500K	3	Polycarbonate

Model No.	Battery	Output Voltage (VDC)	Capacity mAh
LA11173	Ni-Cd	12	1500

FEL70000v0-em
FEL70000v0-em/st





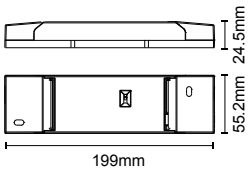
Features

- 3 hours emergency duration
- Non-maintained operation mode
- IP65 protection from water and dust
- Light in weight, easy installation
- Rotate and tilt lighting direction
- Polycarbonate diffuser, corrosion resistant
- Integral status indicator

Integrated LED luminaire

MEGAMAN® TEMPUS

LA11175
LA11192



220-240V

White (WH12)

Model No.	Emergency Power (Max. W)	Output Voltage (VDC)	Emergency Duration (hrs)	Materials
LA11175	4	10-90	3	Polycarbonate
LA11192 Self-Test function	4	10-90	3	Polycarbonate

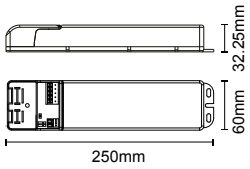
Model No.	Battery	Output Voltage (VDC)	Capacity mAh
LA11176	$LiFePO_4$	6.4	1500

Features

- 3 hours emergency duration
- 850ºC Glow-wiring test
- Compact size
- Advanced plug-in $LiFePO_4$ battery
- Included testing button and integral status indicator Flexible for LED module with a forward voltage of 10-90VDC
- Compatible with all dimmable and non-dimmable constant current LED driver
- Over-charge and over discharge protection, over temperature protection and short circuit protection

MEGAMAN® TEMPUS

LA11199
LA11200



220-240V

White (WH12)

Model No.	Emergency Power (Max. W)	Output Voltage (VDC)	Emergency Duration (hrs)	Materials
LA11199	4	80-230	3	Polycarbonate
LA11200 Self-Test function	4	80-230	3	Polycarbonate

Model No.	Battery	Output Voltage (VDC)	Capacity mAh
LA11176	$LiFePO_4$	6.4	1500

Features

- 3 hours emergency duration
- 850ºC Glow-wiring test
- Compact size
- Advanced plug-in $LiFePO_4$ battery
- Included testing button and integral status indicator Flexible for LED module with a forward voltage of 10-90VDC
- Compatible with all dimmable and non-dimmable constant current LED driver
- Over-charge and over discharge protection, over temperature protection and short circuit protection

Integrated LED luminaire

MEGAMAN® TOTT 2

TOTT S

TOTT M

TOTT L

TOTT XL

TOTT M

TOTT L

Integrated LED luminaire

MEGAMAN® TOTT 2

MEGAMAN® TOTT 2

Outdoor integrated LED floodlight

MEGAMAN® TOTT 2 is a high versatile outdoor floodlight product range and designed to meet diverse application requirements. The integrated LED product range covers several lumen packages and offers a cost competitive solution. Equipped with a u-shaped bracket, the luminaire can be rotated freely for optimum adjustment (up to ±355°) for lighting all kinds of situations. The strong polycarbonate rust-free housing with the IP65 and IK08 ratings allow it to perform excellently in outdoor environments. The smart series within the range also offers a PIR motion sensor for energy saving and safety consideration.

Features

- Integrated LED floodlight with built-in driver, four different sizes (small, medium, large and extra-large) with different lumen packages for various applications
- Corrosion free tough polycarbonate enclosure and UV resistant
- IP65 waterproof and with IK08 rated vandal resistant
- Quick & easy wiring thanks to the tool-less installation
- Fixing bracket adjustable up to 355°
- Special design of mounting bracket allows more spacious for power drill stainless 304 screws equipped
- Attachable PIR module as an optional accessory
- Air vent prevent extreme weather conditions and condensation
- DC input compatible (180V-260VDC)

IP65 | IK08 | Up to 125 lm/W | 50000 hrs | PIR Sensor

Applications

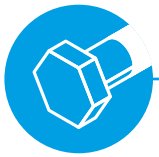
- Signages
- Billboards
- Gate areas
- Pillar facades

Integrated LED luminaire

MEGAMAN® TOTT 2

IP65
IK08

IP65 waterproof and with IK08 rated vandal resistant



Stainless steel 304 screws equipped

Special design of mounting bracket allows more spacious for power drill

4
Sizes

S – 9.5W, 1050lm
M – 24W, 2660lm
L – 45W, 5000lm
XL – 85W, 10600lm

RUST FREE

Corrosion free tough polycarbonate enclosure and UV resistant

Integrated LED luminaire

MEGAMAN® TOTT 2

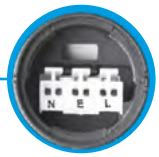
±355°

Fixing bracket adjustable up to 355°

DC Compatible

DC Input compatible (180V – 260VDC)

Easy Installation
Quick & easy wiring thanks to the tool-less installation



1. Easy Installation Quick & easy wiring
2. Attachable PIR module as an optional accessory to floodlight

Air vent prevent extreme weather conditions & condensation inside luminaires

PIR Sensor

PIR Sensor

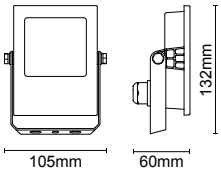
Features

- Equipped with a PIR sensor for energy saving and safety reasons
- The light automatically switches on/off when it detects motion
- IP65 sealed construction for excellent performance in outdoor environments
- Adjustable bracket allows flexible titling
- Energy saving integrated LED with diffuser for high quality light output without hot spots
- Competitive solution ideally suited to the wholesale and DIY sales channels

MEGAMAN® TOTT 2

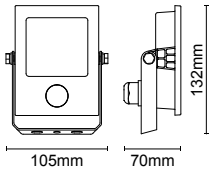
FFL70700v0

±355° | IP65 | IK08 | λ >0.9 | Class II



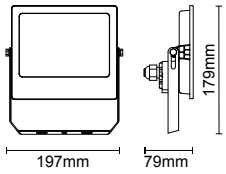
FFL70700v0-ps

±355° | IP65 | IK08 | λ >0.9 | Class II



FFL70800v0

±355° | IP65 | IK08 | λ >0.9 | Class II

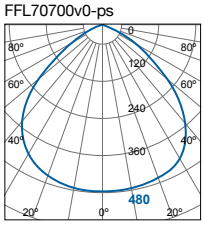


220-240V

Black (BK12)

Model No.	Wattage (W)	Luminous Flux (lm)	Lm/W	Colour Temp.	CRI	Max. Luminous Intensity (cd)	Dimension (mm)	Rated Life at L70 B50 at Ta25°C (hrs)	Materials
FFL70700v0	9.5	980/1050	103/111	3000K/4000K	≥80	480 [100°]	W105 x L60 x H132	50000	Polycarbonate Housing, PC Diffuser
FFL70700v0-ps PIR Sensor	10	980/1050	98/105	3000K/4000K	≥80	480 [100°]	W86 x L70 x H132	50000	Polycarbonate Housing, PC Diffuser
FFL70800v0	24	2470/2660	103/111	3000K/4000K	≥80	1030 [100°]	W197 x L79 x H179	50000	Polycarbonate Housing, PC Diffuser

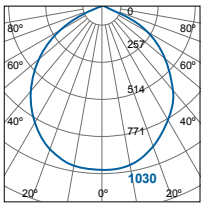
FFL70700v0
FFL70700v0-ps



m	Lux	Ø cm
0.5	1920	119
1	480	238
1.5	213	358
2	120	477

Beam angle = 100°

FFL70800v0



m	Lux	Ø cm
0.5	4120	119
1	1030	238
1.5	458	358
2	258	477

Beam angle = 100°

Accessory

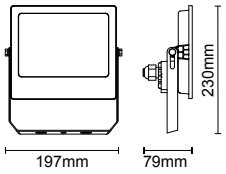
LA11159
PIR Sensor

Integrated LED luminaire

MEGAMAN® TOTT 2

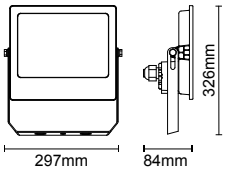
FFL70900v0

±240° | IP65 | IK08 | λ >0.9 | Class II



FFL71000v0

±240° | IP65 | IK08 | λ >0.9 | Class II

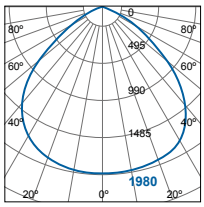


220-240V

Black (BK12)

Model No.	Wattage (W)	Luminous Flux (lm)	Lm/W	Colour Temp.	CRI	Max. Luminous Intensity (cd)	Dimension (mm)	Rated Life at L70 B50 at Ta25°C (hrs)	Materials
FFL70900v0	45	4650/5000	103/111	3000K/4000K	≥80	1980 [100°]	W197 x L79 x H230	50000	Polycarbonate Housing, PC Diffuser
FFL71000v0	85	9860/10600	116/125	3000K/4000K	≥80	3000K-3810 [100°] 4000K-4100 [100°]	W297 x L84 x H326	50000	Polycarbonate Housing, PC Diffuser

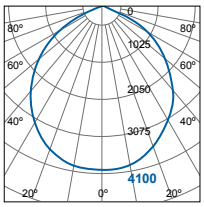
FFL70900v0



m	Lux	Ø cm
0.5	7920	119
1	1980	238
1.5	880	358
2	495	477

Beam angle = 100°

FFL71000v0



m	Lux	Ø cm
0.5	16400	119
1	4100	238
1.5	1822	358
2	1025	477

Beam angle = 100°

Accessory

LA11159
PIR Sensor

Integrated LED luminaire

MEGAMAN® TITO

Integrated LED luminaire

MEGAMAN® TITO

MEGAMAN® TITO

Outdoor integrated LED floodlight

MEGAMAN® TITO is a dedicated LED floodlight with efficient and versatile, this series has six different lumen package with five different housing sizes. MEGAMAN® TITO is with corrosion resistant aluminium housing, together with IP66 and IK08 ratings. It is up to 4kV surge protection to against the instant voltage fluctuation, it allows MEGAMAN® TITO to be an ideal solution for outdoor application.

Features

- Perfect replacement of discharge lamp floodlights
- Energy saving up to 60%
- Easy installation by simply connect with power cable
- Robust die-cast aluminium body, with slim and efficient heat dissipation profile
- Instant light with flicker free performance
- Extra-long lifetime with 50,000hrs
- Fast payback and low total cost of ownership with energy savings and minimum maintenance costs
- IP66 rated fully waterproof enclosure
- IK08 for high impact resistance
- High surge protection up to 6kv (l/n-pe) and 4kv (l-n)
- Equipped with 1m cable
- Symmetric and asymmetric version are available

IP66 | IK08 | Flicker free | 50000 hrs

Applications

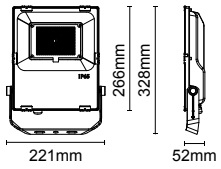
- Sport facilities
- Stadiums
- Industrial areas
- Façade
- Billboards

Integrated LED luminaire

MEGAMAN® TITO

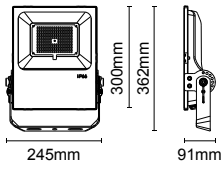
FFL71100v0

135° | IP66 | IK08 | λ >0.9 | Flicker Free



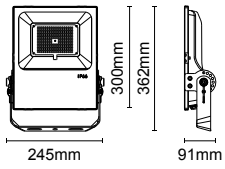
FFL71200v0

135° | IP66 | IK08 | λ >0.9 | Flicker Free



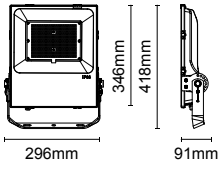
FFL71200v1

135° | IP66 | IK08 | λ >0.9 | Flicker Free



FFL71300v0

135° | IP66 | IK08 | λ >0.9 | Flicker Free



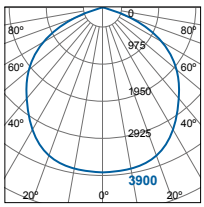
220-240V

Black (BK24)

Symmetrical Floodlight

Model No.	Wattage (W)	Luminous Flux (lm)	Lm/W	Colour Temp.	CRI	Max. Luminous Intensity (cd)	Dimension (mm)	Rated Life at L70 B50 at Ta25°C (hrs)	Materials
FFL71100v0	70	10000	143	4000K	80	3900 [110°]	L220 x W52 x H265	50000	Aluminum die cast housing + Tempered glass diffuser
FFL71200v0	90	13300	148	4000K	80	5200 [110°]	L245 x W91 x H300	50000	Aluminum die cast housing + Tempered glass diffuser
FFL71200v1	120	18200	152	4000K	80	6900 [110°]	L245 x W91 x H300	50000	Aluminum die cast housing + Tempered glass diffuser
FFL71300v0	165	27000	164	4000K	80	9400 [110°]	L295 x W91 x H345	50000	Aluminum die cast housing + Tempered glass diffuser

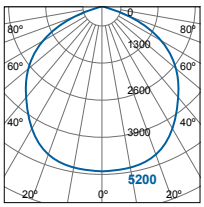
FFL71100v0



m	Lux	Ø cm
0.5	15600	143
1	3900	286
1.5	1733	428
2	975	571

Beam angle = 110°

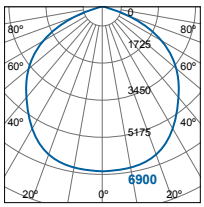
FFL71200v0



m	Lux	Ø cm
0.5	20800	143
1	5200	286
1.5	2311	428
2	1300	571

Beam angle = 110°

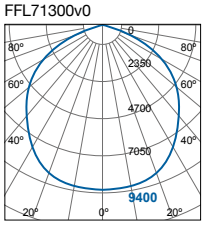
FFL71200v1



m	Lux	Ø cm
0.5	27600	143
1	6900	286
1.5	3067	428
2	1725	571

Beam angle = 110°

FFL71300v0



m	Lux	Ø cm
0.5	37600	143
1	9400	286
1.5	4178	428
2	2350	571

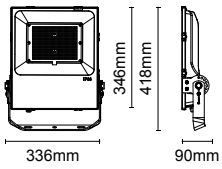
Beam angle = 110°

Integrated LED luminaire

MEGAMAN® TITO

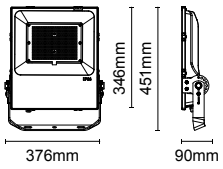
FFL72900v0+045A085A

135° | IP66 | IK08 | λ >0.9 | Flicker Free



FFL73000v0+045A085A

135° | IP66 | IK08 | λ >0.9 | Flicker Free



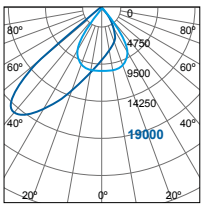
220-240V

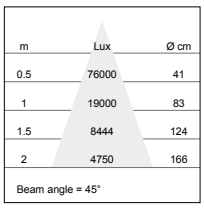
Black (BK24)

Asymmetrical Floodlight

Model No.	Wattage (W)	Luminous Flux (lm)	Beam angle (°)	Colour Temp.	CRI	Max. Luminous Intensity (cd)	Dimension (mm)	Rated Life at L70 B50 at Ta25°C (hrs)	Materials
FFL72900v0+045A085A NEW	115	14500	Asymmetrical 45 x 85	4000K	80	TBA	L336 x W90 X H416	50000	Aluminum die cast housing + Tempered glass diffuser
FFL73000v0+045A085A NEW	152	18500	Asymmetrical 45 x 85	4000K	80	19000	L376 x W90 x H451	50000	Aluminum die cast housing + Tempered glass diffuser

FFL73000v0+045A085A



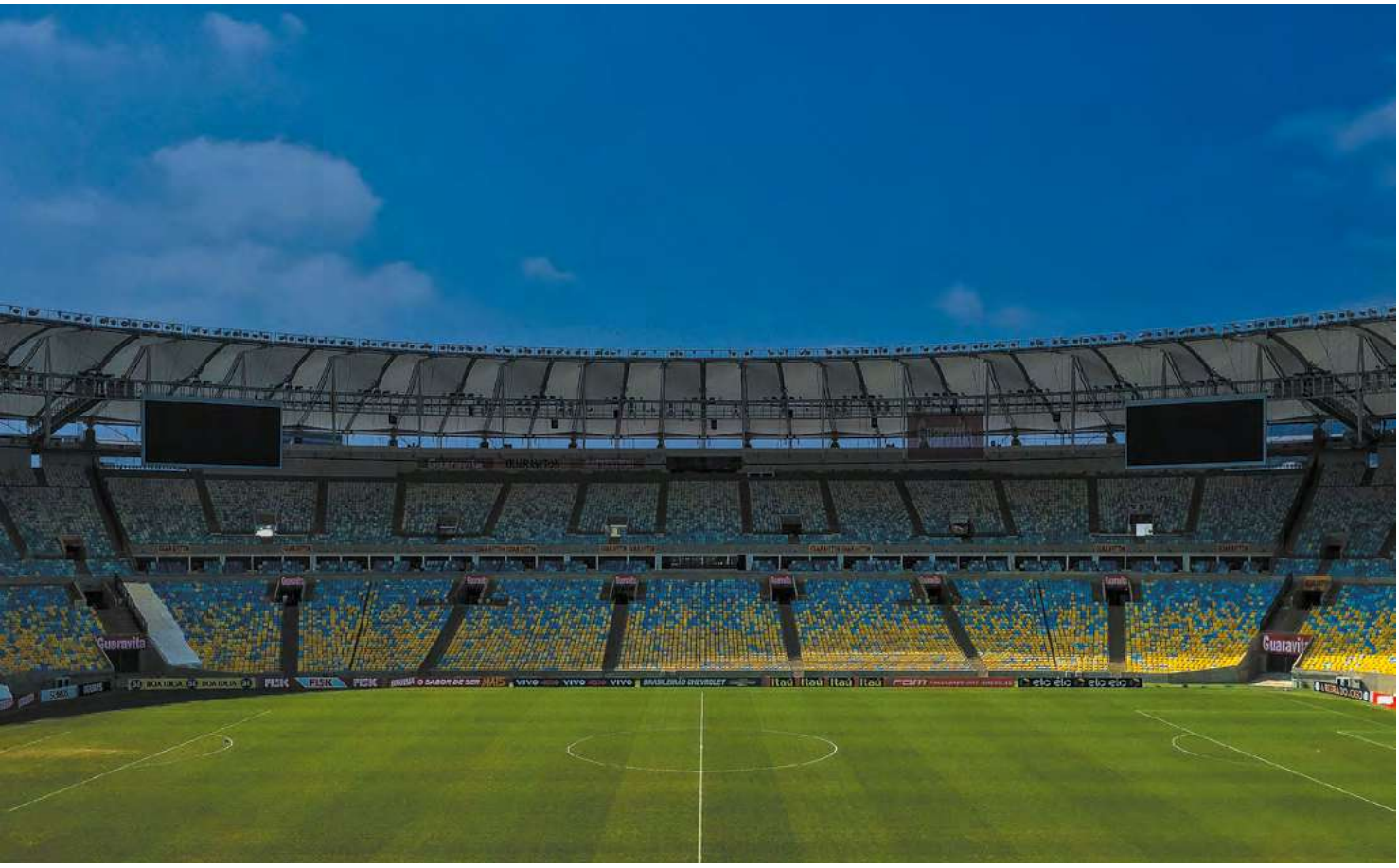


Integrated LED luminaire

MEGAMAN® EKON

Integrated LED luminaire

MEGAMAN® EKON



MEGAMAN® EKON

Outdoor integrated LED floodlight

MEGAMAN® EKON is an outdoor stadium floodlight provides superb brightness and gives instant light with a homogeneous illumination and perfect for outdoor applications. MEGAMAN® EKON delivers superb performance up to 140lm/W and has a substantial 50,000 hours lifetime. Strong and durable powder coated aluminum housing allows protection against corrosion. MEGAMAN® EKON offers symmetric and asymmetric options for uniform lighting, which delivers highly focused light beams, low glare and enhanced photometric control. With fully adjustable 180 degree joints, allows to project the light at different angles.

Features

- Modular design from 250W to 1250W for high mounting application
- Vertically angle adjustment, easy way to adjust the tilting angle and create diversity of lighting environment
- Multiple optics option: symmetrical optics from 10° to 90°; asymmetrical optics 130°x25° / 130°x60° to provide wide lighting application
- Excellent optical glare control avoids light pollution
- Aluminum die-casting housing, driver box and bracket with anti-corrosion powder coating finishing
- Efficiency up to 140lm/W, more energy saving
- 10kV (L-N) / 20kV (LN-G) Surge Protection
- Coupled with water resistance at IP66 protection
- High vandal resistant with IK09
- 50,000hrs L80B10 at Ta 30°C

IP66 | IK09 | Up to 140 lm/W | 50000 hrs

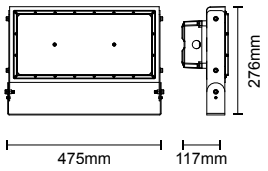
Applications

- Parking lots
- Outdoor sports and stadium
- Square
- For recreational sports (tennis courts, basketball courts…)
- Exhibition centre
- Soccer field

MEGAMAN® EKON

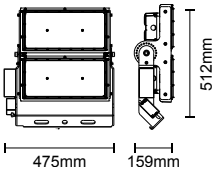
FFL73600v0

±180° | IP66 | IK09 | λ >0.9 | Class I



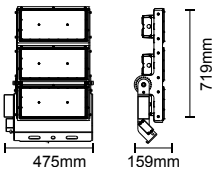
FFL73700v0

±180° | IP66 | IK09 | λ >0.9 | Class I



FFL73800v0

±180° | IP66 | IK09 | λ >0.9 | Class I



220-240V

Black (BK24)

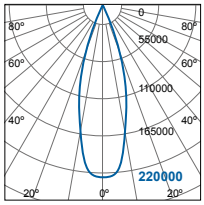
Symmetrical

Model No.	Wattage (W)	Luminous Flux (lm)	Efficiency Lm/W	Colour Temp. (CRI)	Beam Angle (°)	Dimension (mm)	Rated Lifetime L80B10@Ta30°C	Power Factor (λ)
FFL73600v0	250	35000	140	4000K/5000K/5700K [80]	10°/25°/45°/60°/90°	L276 x W475 x H117	50000	>0.95
FFL73700v0	500	70000	140	4000K/5000K/5700K [80]		L512 x W475 x H159	50000	>0.95
FFL73800v0	750	105000	140	4000K/5000K/5700K [80]		L719 x W475 x H159	50000	>0.95

Asymmetrical

Model No.	Wattage (W)	Luminous Flux (lm)	Efficiency Lm/W	Colour Temp. (CRI)	Beam Angle (°)	Dimension (mm)	Rated Lifetime L80B10@Ta30°C	Power Factor (λ)
FFL73600v0 NEW	250	35000	140	4000K/5000K/5700K [80]	130°*25°/130°*60°	L276 x W475 x H117	50000	>0.95
FFL73700v0 NEW	500	70000	140	4000K/5000K/5700K [80]		L512 x W475 x H159	50000	>0.95
FFL73800v0 NEW	750	105000	140	4000K/5000K/5700K [80]		L719 x W475 x H159	50000	>0.95

FFL73700v0+025D



m	Lux	Ø cm
0.5	880000	22
1	220000	44
1.5	97778	67
2	55000	89

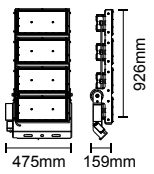
Beam angle = 25°

Integrated LED luminaire

MEGAMAN® EKON

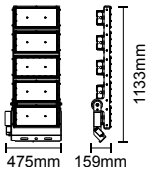
FFL73900v0

±180° | IP66 | IK09 | λ >0.9 | Class I



FFL74000v0

±180° | IP66 | IK09 | λ >0.9 | Class I



220-240V

Black (BK24)

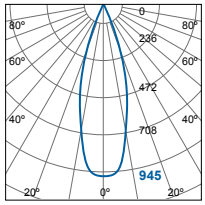
Symmetrical

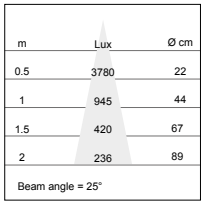
Model No.	Wattage (W)	Luminous Flux (lm)	Efficiency Lm/W	Colour Temp. (CRI)	Beam Angle (°)	Dimension (mm)	Rated Lifetime L80B10@Ta30°C	Power Factor (λ)
FFL73900v0	1000	140000	140	4000K/5000K/5700K [80]	10°/25°/45°/60°/90°	L926 x W475 x H159	50000	>0.95
FFL74000v0	1250	175000	140	4000K/5000K/5700K [80]		L1133 x W475 x H159	50000	>0.95

Asymmetrical

Model No.	Wattage (W)	Luminous Flux (lm)	Efficiency Lm/W	Colour Temp. (CRI)	Beam Angle (°)	Dimension (mm)	Rated Lifetime L80B10@Ta30°C	Power Factor (λ)
FFL73900v0 NEW	1000	140000	140	4000K/5000K/5700K [80]	130°*25°/130°*60°	L926 x W475 x H159	50000	>0.95
FFL74000v0 NEW	1250	175000	140	4000K/5000K/5700K [80]		L1133 x W475 x H159	50000	>0.95

FFL73900v0+025D





Integrated LED luminaire

MEGAMAN® VOSS

essentials MEGAMAN®
+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +

PIR Sensor is available for 10W, 20W, 30W & 50W

Integrated LED luminaire

MEGAMAN® VOSS

MEGAMAN® VOSS

Outdoor integrated LED floodlight

MEGAMAN® VOSS is an integrated LED floodlight with slim and efficient heat dissipation profile offers wide range of lumen packages with a cost competitive solution. Equipped with a u-shaped bracket, the luminaire can be rotated 180° adjustment for lighting. PIR motion sensor version available for energy saving and safety consideration.

Features

- Durable die cast aluminum with anti-corrosion powder coating and tempered glass
- Efficient heat dissipation
- Beam angle 110°
- IP65 waterproof for standard and IP54 for PIR Sensor version
- IK08 rated vandal resistant
- With 0.5m H05RN-F 3G1.0mm² cable
- Standard version is available for 10W, 20W, 30W, 50W, 100W, 150W & 200W
- PIR sensor version is available for 10W, 20W, 30W & 50W
- Fixing bracket adjustable up to 180°

Accessory

LA8143 – Extension arm

IP65 | IK08 | Class I | PIR Sensor

Applications

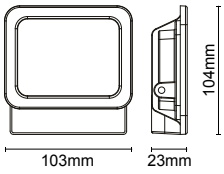
- Industrial areas
- Warehouse
- Façade
- Billboards
- Gate areas

Integrated LED luminaire

MEGAMAN® VOSS

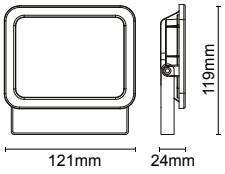
FFL71800v0

180° | IP65 | IK08 | λ >0.9 | Class I



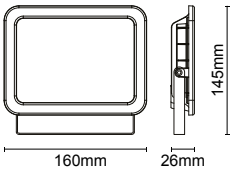
FFL71900v0

180° | IP65 | IK08 | λ >0.9 | Class I



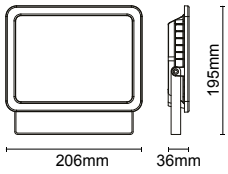
FFL72000v0

180° | IP65 | IK08 | λ >0.9 | Class I



FFL72100v0

180° | IP65 | IK08 | λ >0.9 | Class I



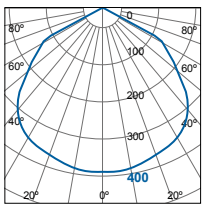
220-240V

Black (BK13)

Model No.	Wattage (W)	Luminous Flux (lm)	Lm/W	Colour Temp.	CRI	Beam Angle(°)	Max. Luminous Intensity (cd)	Dimension (mm)	Rated Life at L70 B50 at Ta25°C (hrs)	Materials
FFL71800v0	10	850 [3000K] 900 [4000K]	85 [3000K] 90 [4000K]	3000K / 4000K	80	110	400	L103 x W23 x H104	30000	Aluminum housing with tempered glass
FFL71900v0	20	1700 [3000K] 1800 [4000K]	85 [3000K] 90 [4000K]	3000K / 4000K	80	110	750	L121 x W24 x H119	30000	Aluminum housing with tempered glass
FFL72000v0	30	2550 [3000K] 2700 [4000K]	85 [3000K] 90 [4000K]	3000K / 4000K	80	110	1100	L160 x W26 x H145	30000	Aluminum housing with tempered glass
FFL72100v0	50	4250 [3000K] 4500 [4000K]	85 [3000K] 90 [4000K]	3000K / 4000K	80	110	1800	L206 x W36 x H195	30000	Aluminum housing with tempered glass

* Open wire version : 0.5m H05RN-F 3G1.0mm² cable

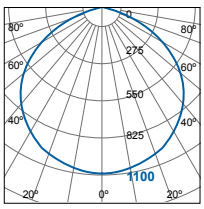
FFL71800v0



m	Lux	Ø cm
0.5	1600	143
1	400	286
1.5	178	428
2	100	571

Beam angle = 110°

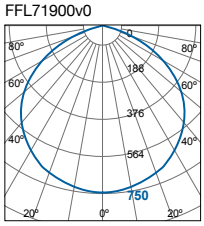
FFL72000v0



m	Lux	Ø cm
0.5	4400	143
1	1100	286
1.5	489	428
2	275	571

Beam angle = 110°

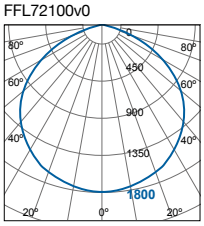
FFL71900v0



m	Lux	Ø cm
0.5	3000	143
1	750	286
1.5	333	428
2	188	571

Beam angle = 110°

FFL72100v0



m	Lux	Ø cm
0.5	7200	143
1	1800	286
1.5	800	428
2	450	571

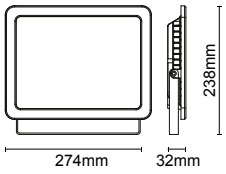
Beam angle = 110°

Integrated LED luminaire

MEGAMAN® VOSS

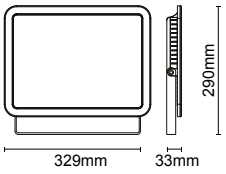
FFL72200v0

180° | IP65 | IK08 | λ >0.9 | Class I



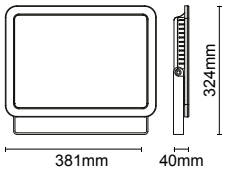
FFL72300v0

180° | IP65 | IK08 | λ >0.9 | Class I



FFL72400v0

180° | IP65 | IK08 | λ >0.9 | Class I



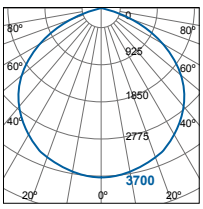
220-240V

Black (BK13)

Model No.	Wattage (W)	Luminous Flux (lm)	Lm/W	Colour Temp.	CRI	Beam Angle(°)	Max. Luminous Intensity (cd)	Dimension (mm)	Rated Life at L70 B50 at Ta25°C (hrs)	Materials
FFL72200v0	100	8500 [3000K] 9000 [4000K]	85 [3000K] 90 [4000K]	3000K / 4000K	80	110	3700	L274 x W32 x H238	30000	Aluminum housing with tempered glass
FFL72300v0	150	12750 [3000K] 13500 [4000K]	85 [3000K] 90 [4000K]	3000K / 4000K	80	110	5500	L329 x W33 x H290	30000	Aluminum housing with tempered glass
FFL72400v0	200	17000 [3000K] 18000 [4000K]	85 [3000K] 90 [4000K]	3000K / 4000K	80	110	7400	L381 x W40 x H324	30000	Aluminum housing with tempered glass

* Open wire version : 0.5m H05RN-F 3G1.0mm² cable

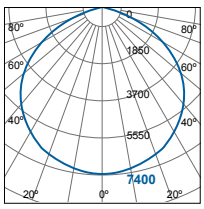
FFL72200v0



m	Lux	Ø cm
0.5	14800	143
1	3700	286
1.5	1644	428
2	925	571

Beam angle = 110°

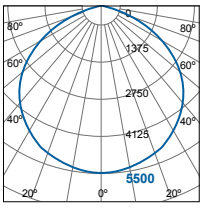
FFL72400v0



m	Lux	Ø cm
0.5	29600	143
1	7400	286
1.5	3289	428
2	1850	571

Beam angle = 110°

FFL72300v0



m	Lux	Ø cm
0.5	22000	143
1	5500	286
1.5	2444	428
2	1375	571

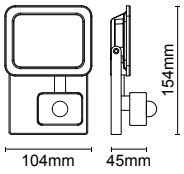
Beam angle = 110°

Integrated LED luminaire

MEGAMAN® VOSS

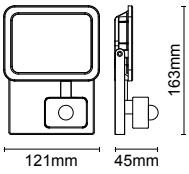
FFL71800v0-ps

180° IP54 IK08 λ >0.9 Class I



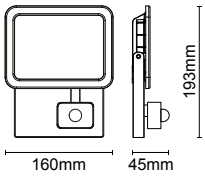
FFL71900v0-ps

180° IP54 IK08 λ >0.9 Class I



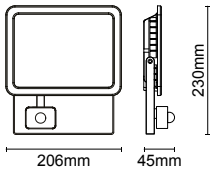
FFL72000v0-ps

180° IP54 IK08 λ >0.9 Class I



FFL72100v0-ps

180° IP54 IK08 λ >0.9 Class I



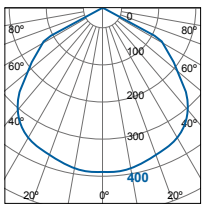
220-240V

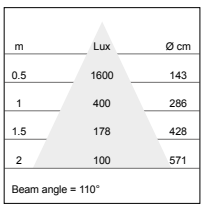
Black (BK13)

Model No.	Wattage (W)	Luminous Flux (lm)	Lm/W	Colour Temp.	CRI	Beam Angle(°)	Max. Luminous Intensity (cd)	Dimension (mm)	Rated Life at L70 B50 at Ta25°C (hrs)	Materials
FFL71800v0-ps	11	850 [3000K] 900 [4000K]	77 [3000K] 82 [4000K]	3000K / 4000K	80	110	400	L104 x W45 x H154	30000	Aluminum housing with tempered glass
FFL71900v0-ps	21	1700 [3000K] 1800 [4000K]	81 [3000K] 86 [4000K]	3000K / 4000K	80	110	750	L121 x W45 x H163	30000	Aluminum housing with tempered glass
FFL72000v0-ps	31	2550 [3000K] 2700 [4000K]	82 [3000K] 87 [4000K]	3000K / 4000K	80	110	1100	L160 x W45 x H196	30000	Aluminum housing with tempered glass
FFL72100v0-ps	51	4250 [3000K] 4500 [4000K]	83 [3000K] 88 [4000K]	3000K / 4000K	80	110	1800	L206 x W45 x H230	30000	Aluminum housing with tempered glass

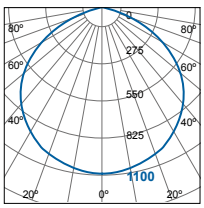
* Open wire version : 0.5m H05RN-F 3G1.0mm² cable

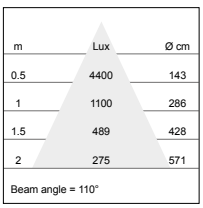
FFL71800v0-ps



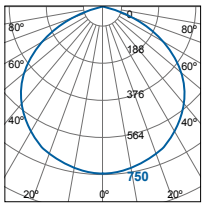


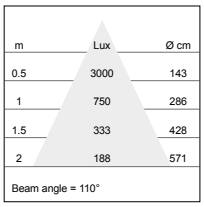
FFL72000v0-ps





FFL71900v0-ps





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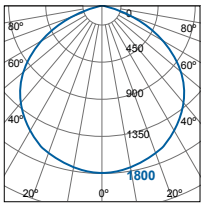
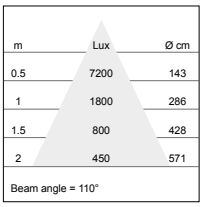




Integrated LED luminaire

MEGAMAN® FONDA

Integrated LED luminaire

MEGAMAN® FONDA

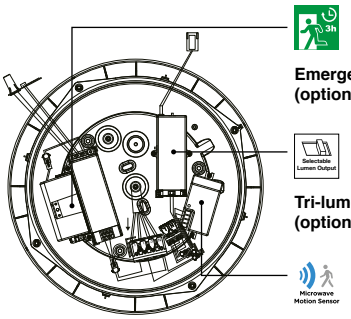
MEGAMAN® FONDA

Modular LED Outdoor Bulkhead

MEGAMAN® FONDA is designed to provide convenience and flexibility with its plug-and-play modular design structure. The luminaire consists of 3 components - front ring, LED module and bottom plate. Accessories and modules of FONDA can be changed according to actual needs, allowing switching among housing colour and trim shape (including eyelid trim ring) for authenticity, or changing functional modules, like emergency kit and microwave motion sensor.

Being the ideal solution for outdoor bulkhead, MEGAMAN® FONDA is constructed with fully corrosion and UV resistant polycarbonate (PC) materials, with IK10 impact resistance, and IP66 waterproof protection. In order to protect the luminaire and its parts from the outdoor environment, security screws are applied for deterring thieves and vandals. In addition, MEGAMAN® FONDA also features long rated life, endurance of high ambient temperature of up to 50°C for outdoor use.

Plug-and-Play Modular Design



Emergency Pack Module (optional)

Tri-lumen Output (optional)

Microwave Motion Sensor (optional)

IP66 | IK10 | Flicker free | Microwave Motion Sensor | 3h | Selectable Lumen Output | Switching CCT | 50000 hrs | Up to 100 lm/W

Applications

- Car parks
- Warehouses
- Stairwells
- Corridors
- Patios

Installation video

Integrated LED luminaire

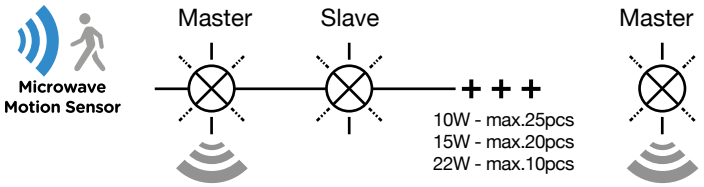
MEGAMAN® FONDA

MEGAMAN® FONDA

Modular LED Outdoor Bulkhead

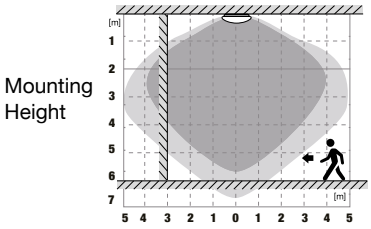
Features

- Plug-and-play modular design provides flexibility on both appearance and functionality
- DC input compatible (180V-260V DC)
- Tri-lumen output (1000lm/1500lm/2000lm) available apart from 900lm standard version
- IP66 waterproof protection and with IK10 rated vandal resistant
- Corrosion free tough polycarbonate enclosure & UV resistant
- High operating temperature of up to 50°C allows use in outdoor environments under extreme weather
- Theft-proof screws are applied for deterring thieves and vandals
- Different colour and trim ring options
- Emergency kit with 300lm output energy backup lasting for 3 hours
- MEGAMAN® FONDA with microwave motion sensor can serve as a master device to control other FONDA without sensor as slaves in a group with loop through wiring connection, with maximum 250W loading



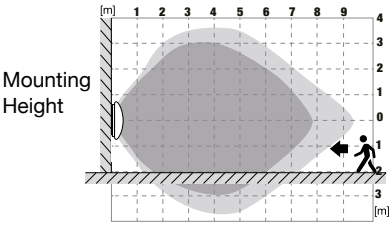
- Maximum Connection for microwave motion sensor master-slave looping for 10W is 25 pcs; for 15W is 20pcs; for 22W is 10pcs

Ceiling Mounted



For ceiling mounted **FONDA**, microwave sensor can sense movement within around 5m radius horizontally, or 6-7m vertically beneath **FONDA**, and only lights up when movement sensed for energy saving.

Wall Mounted

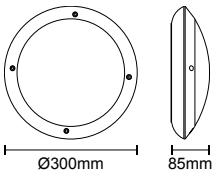


For wall mounted **FONDA**, microwave sensor can sense movement within around 3-4m radius vertically, or 9m front-facing horizontally, and only lights up when movement sensed for energy saving.

MEGAMAN® FONDA

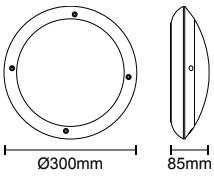
FBH70000v0

IP66 | IK10 | Class II | λ >0.9 | Flicker Free



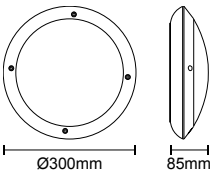
FBH70000v0
+LA10175

IP66 | IK10 | Class II | λ >0.9 | Flicker Free



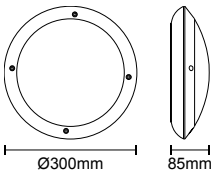
FBH70000v0
+LA11157

IP66 | IK10 | Class II | λ >0.9 | Flicker Free



FBH70000v0
+LA10175+LA11157

IP66 | IK10 | Class II | λ >0.9 | Flicker Free

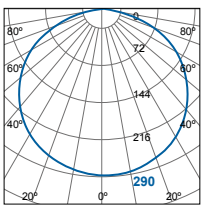


220-240V

White (WH12) | Silver (SV16) | Black (BK12)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Colour Temp.	CRI	Dimension (mm)	Rated Life at L70 B50 at Ta25°C (hrs)	Materials
FBH70000v0[1]	10	900	90	4000K	≥80	Ø300 x H85	50000	Polycarbonate
FBH70000v0+LA10175[2]	11	900	82	4000K	≥80	Ø300 x H85	50000	Polycarbonate
FBH70000v0+LA11157[3]	14	900	64	4000K	≥80	Ø300 x H85	50000	Polycarbonate
FBH70000v0+LA10175+LA11157[3]	15	900	60	4000K	≥80	Ø300 x H85	50000	Polycarbonate

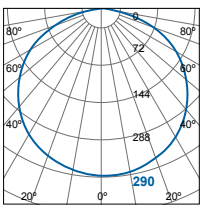
FBH70000v0



m	Lux	Ø cm
0.5	1160	173
1	290	346
1.5	129	520
2	72	693

Beam angle = 120°

FBH70000v0+LA10175
FBH70000v0+LA11157
FBH70000v0+LA10175+LA11157



m	Lux	Ø cm
0.5	1160	173
1	290	346
1.5	129	520
2	73	693

Beam angle = 120°

Accessory

LA8074
Front Ring

LA8075
Eyelid Trim Ring

LA8076
Bottom Plate

LA10175
Microwave Motion Sensor

LA11157
Emergency Kit Module

LA11158
Battery for Emergency Module

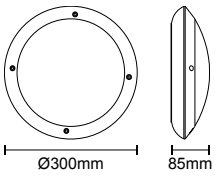
1. Operation temperature: -30°C to +50°C
2. Operation temperature: -20°C to +50°C
3. Operation temperature: 0°C to +40°C

Integrated LED luminaire

MEGAMAN® FONDA

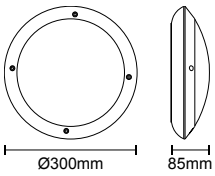
FBH70000v0-ds

IP66 | IK10 | Class II | λ >0.9 | Flicker Free



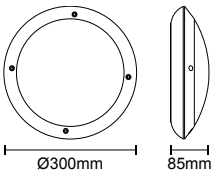
FBH70000v0-ds +LA10175

IP66 | IK10 | Class II | λ >0.9 | Flicker Free



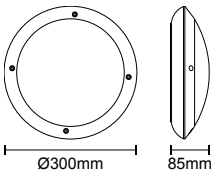
FBH70000v0-ds/sc

IP66 | IK10 | Class II | λ >0.9 | Flicker Free



FBH70000v0-ds/sc +LA10175

IP66 | IK10 | Class II | λ >0.9 | Flicker Free

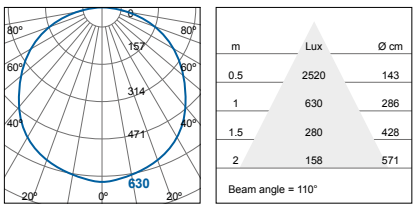


220-240V

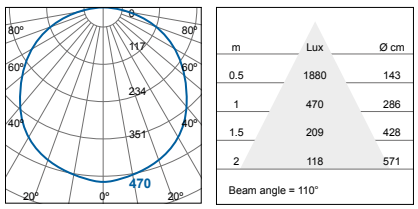
White (WH12) | Silver (SV16) | Black (BK12)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Colour Temp.	CRI	Dimension (mm)	Rated Life at L70 B50 at Ta25°C (hrs)	Materials
FBH70000v0-ds[1]	22/15/10	2000/1500/1000	91/100/100	4000K	≥80	Ø300 x H85	50000	Polycarbonate
FBH70000v0-ds+LA10175[2]	23/16/11	2000/1500/1000	87/94/91	4000K	≥80	Ø300 x H85	50000	Polycarbonate
FBH70000v0-ds/sc[1]	22/15/10	1850/1400/900 [3000K] 2000/1500/1000 [4000K]	84/93/90 [3000K] 91/100/100 [4000K]	3000K/4000K	≥80	Ø300 x H85	50000	Polycarbonate
FBH70000v0-ds/sc+LA10175[2]	23/16/11	1850/1400/900 [3000K] 2000/1500/1000 [4000K]	80/88/82 [3000K] 87/94/91 [4000K]	3000K/4000K	≥80	Ø300 x H85	50000	Polycarbonate

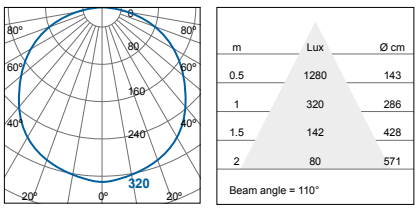
FBH70000v0-ds (22W)



FBH70000v0-ds (15W)



FBH70000v0-ds (10W)



Accessory

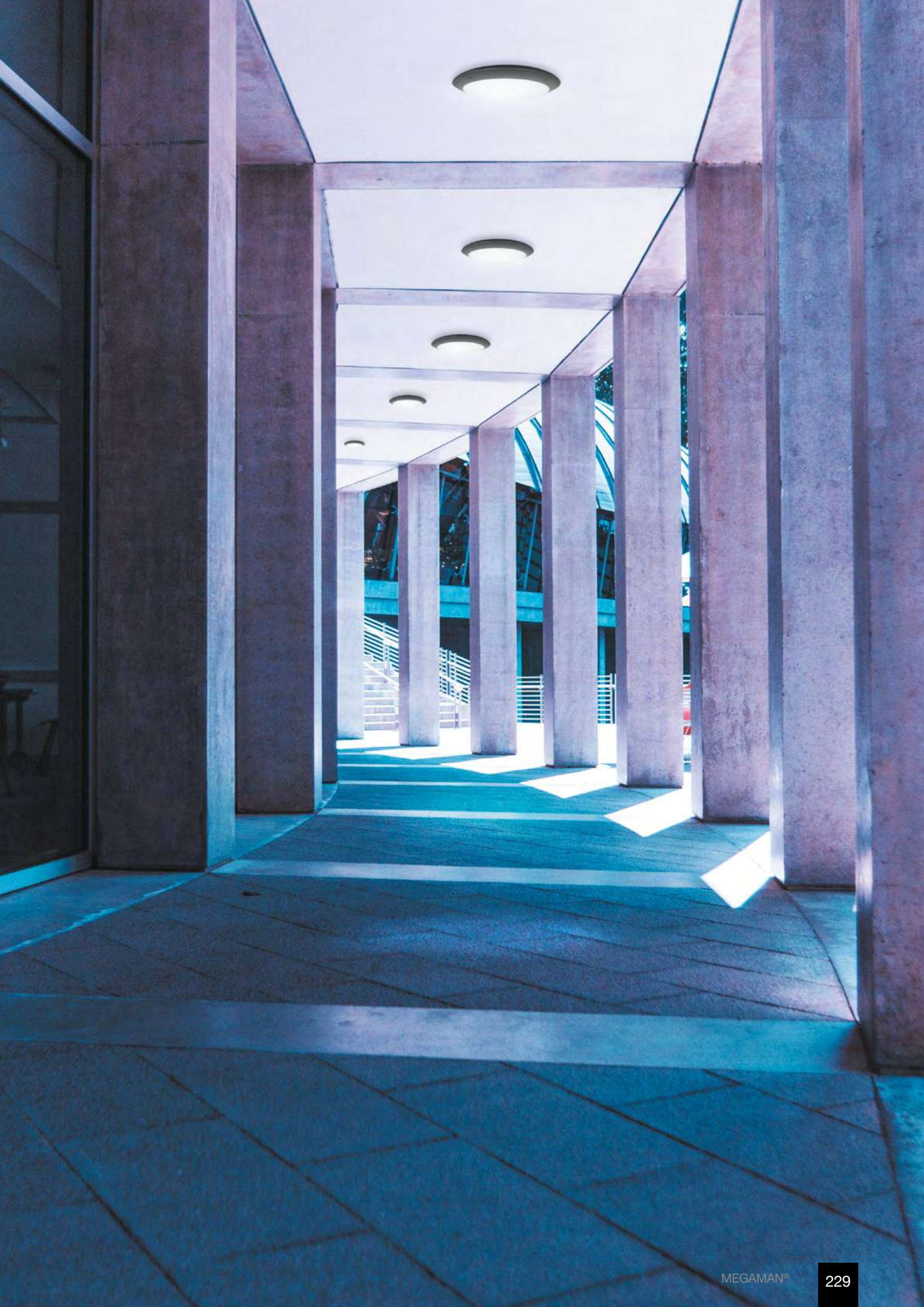
LA8074
Front Ring

LA8075
Eyelid Trim Ring

LA8076
Bottom Plate

LA10175
Microwave Motion Sensor

1. Operation temperature: -30°C to +50°C
2. Operation temperature: -20°C to +50°C



LED Oval Bulkhead

MEGAMAN® ODI

essentials MEGAMAN®

+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +

Integrated LED luminaire

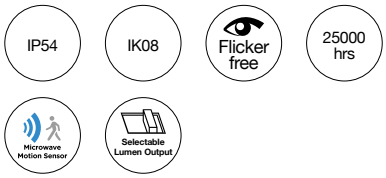
MEGAMAN® ODI

LED Oval Bulkhead

The surface mounted MEGAMAN® ODI with strong polycarbonate diffuser and housing is an ideal corrosion free luminaires for outdoor use. Knockout in all directions, with the option of ON/OFF and microwave motion sensor version, together with the sliding switch for adjusting Dual Lumen Output cater different installations and market demands.

Features

- High competitive value-for-money waterproof bulkhead, an ideal direct replacement of traditional incandescent A60 bulkhead in wholesaler or DIY channel
- Dual-lumen output (450/ 700lm) in the same housing with optional microwave motion sensor module to cater different applications
- Plug-And-Play modular design enhance the installation flexibility
- Easy and fast installation with quick connector
- Diffuser can be attached with snap-in fastening
- IP54 waterproof protection and IK08 rated vandal resistant
- Flicker free
- UV resistant for full outdoor application
- Uniform light distribution without dark zone or hotspot
- Available for wall or ceiling mounted on solid surfaces such as concrete or brick
- Flexible installation with cable entries in all directions with 2 grommet included
- Fully corrosion free housing
- DC input compatible (180-260VDC)



Applications

- Car parks
- Public area
- Stairwells
- Corridors
- Garden and balcony

Accessories

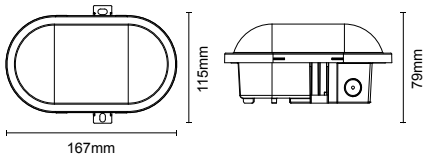
LA10200
Microwave motion sensor module

LED Oval Bulkhead

MEGAMAN® ODI

FBH70100v0-ds
FOB70100v0-ds/ms

IP54 | IK08 | 120° | Flicker Free | Class II

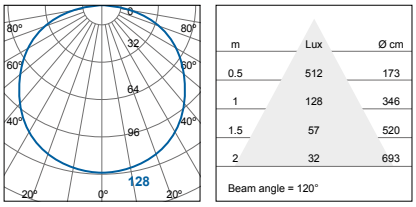


220-240V

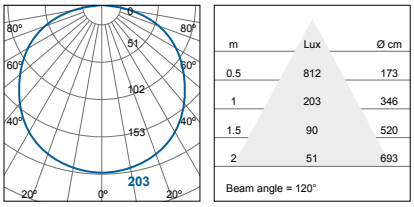
Silver (SV12)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Dimension (mm)	Colour Temp. (CRI)	Rated Life @ L70B50 @Ta25°C (hrs)	Materials
FBH70100v0-ds	4.5W/ 7.5W	3000K - 420lm (LO)/ 660lm (HO) 4000K - 450lm (LO)/ 700lm (HO)	3000K - 93lm/W(LO)/ 88lm/W(HO) 4000K - 100lm/W(LO)/ 93lm/W(HO)	L167 x W115 x H79	3000K/ 4000K	25000	Polycarbonate cover & housing
FOB70100v0-ds/ms	5.5W/ 8.5W	3000K - 420lm (LO)/ 660lm (HO) 4000K - 450lm (LO)/ 700lm (HO)	3000K - 78lm/W(LO)/ 76lm/W(HO) 4000K - 82lm/W(LO)/ 82lm/W(HO)	L167 x W115 x H79	3000K/ 4000K	25000	Polycarbonate cover & housing

FOB70100v0-ds

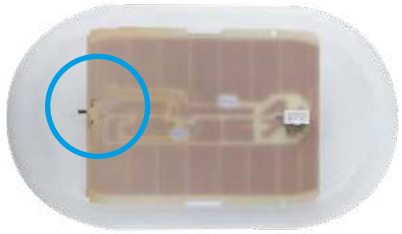


FOB70100v0-ds/ms



Functional installation features

Sliding Switch for adjusting the low output / high output



Easy & fast installation with quick connector

Knockout in all directions (top / bottom / 2 sides / back)

Side View

Side View

Back View

MEGAMAN® CODY

essentials MEGAMAN®

+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +

Integrated LED luminaire

MEGAMAN® CODY

MEGAMAN® CODY
Outdoor Bulkhead

MEGAMAN® CODY is a cost-effective bulkhead available in both oval and round options. It is constructed with corrosion free plastic housing and with UV resistant opal diffuser, together IP65 waterproof protection structure. An effective LED replacement for conventional outdoor bulkhead.

Features
- Compact and Ultra Slim Outdoor Bulkhead
- Cost effective LED Outdoor Bulkhead solution for mains voltage with good system light yield for energy-saving operation
- IP65 waterproof protection and IK08 for vandal resistance
- Corrosion free with plastic housing and UV resistant opal diffuser
- Homogeneous light output
- Oval and round options available
- Wide range of sizes allow retrofit for traditional outdoor bulkhead
- Simple and neat screw-less design

IP65 | IK08 | 25000 hrs

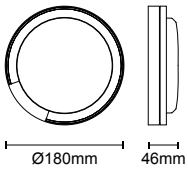
Applications
- Stairwells
- Corridors
- Patios

Integrated LED luminaire

MEGAMAN® CODY

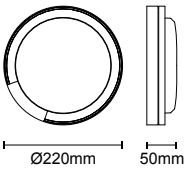
FBH70500v0

IP65 IK08 120°



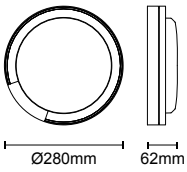
FBH70600v0

IP65 IK08 120°



FBH70700v0

IP65 IK08 120°



220-240V

White (WH12)

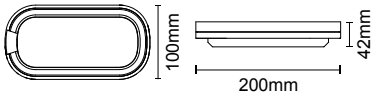
Black (BK12)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Colour Temp.	CRI	Dimension (mm)	Rated Life at L70 B50 at Ta25°C (hrs)	Materials
FBH70500v0	15	1080 [3000K] 1200 [4000K / 6500K]	72 [3000K] 80 [4000K / 6500K]	3000K / 4000K / 6500K	≥80	Ø180 x H46	25000	Plastic housing + Opal Diffuser
FBH70600v0	20	1140 [3000K] 1600 [4000K / 6500K]	57 [3000K] 80 [4000K / 6500K]	3000K / 4000K / 6500K	≥80	Ø220 x H50	25000	Plastic housing + Opal Diffuser
FBH70700v0	24	1800 [3000K] 2000 [4000K / 6500K]	75 [3000K] 83 [4000K / 6500K]	3000K / 4000K / 6500K	≥80	Ø280 x H62	25000	Plastic housing + Opal Diffuser

MEGAMAN® CODY

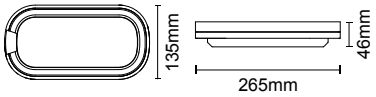
FBH70800v0

IP65 IK08 120°



FBH70900v0

IP65 IK08 120°



220-240V

White (WH12)

Black (BK12)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Colour Temp.	CRI	Dimension (mm)	Rated Life at L70 B50 at Ta25°C (hrs)	Materials
FBH70800v0	12	900 [3000K] 960 [4000K / 6500K]	75 [3000K] 80 [4000K / 6500K]	3000K / 4000K / 6500K	≥80	W100 x L200 x H42	25000	Opal Housing + Plastic Diffuser
FBH70900v0	20	1340 [3000K] 1440 [4000K / 6500K]	67 [3000K] 72 [4000K / 6500K]	3000K / 4000K / 6500K	≥80	W135 x L265 x H46	25000	Opal Housing + Plastic Diffuser

Integrated LED luminaire

MEGAMAN® RONDA

essentials MEGAMAN®
+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +

Integrated LED luminaire

MEGAMAN® RONDA

MEGAMAN® RONDA

Outdoor Integrated LED Bulkhead

MEGAMAN® RONDA is a round shaped LED bulkhead perfectly for outdoor lighting. It is constructed with corrosion free plastic housing and UV resistant opal diffuser, together with IP65 waterproof protection structure. With additional optional features of built in microwave sensor for energy saving.

IP65 | IK08 | λ >0.9 | 120° | Microwave Motion Sensor

Features

- Cost effective LED outdoor bulkhead solution for mains voltage with good system yield
- Built in microwave sensor option for energy saving operation
- IP65 protection and high vandal resistant with IK08
- Homogeneous light output
- Loop through structure
- Compatible to mount in UK Beza box

Applications

- Car parks
- Warehouses
- Stairwells
- Corridors

Accessory

MEGAMAN® RONDA

FBH71300v0
FBH71300v1

120° IP65 IK08 λ >0.9

FBH71300v0-ms
FBH71300v1-ms

120° IP65 IK08 λ >0.9

220-240V

White (WH12)

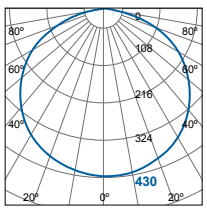
Standard Version

Model No.	Wattage (W)	Luminous Flux (lm)	Efficiency (lm/W)	Colour Temp. (CRI)	Beam Angle (°)	Dimension (mm)	Rated Life @L70B50 @ Ta25°C (hrs)	Materials
FBH71300v0	12	1100	92	4000K [≥80]	120	Ø250 x H100	30000	PC housing + PC diffuser
FBH71300v1	14	1300	92	4000K [≥80]	120	Ø250 x H100	30000	PC housing + PC diffuser

Motion Sensor version

Model No.	Wattage (W)	Luminous Flux (lm)	Efficiency (lm/W)	Colour Temp. (CRI)	Beam Angle (°)	Dimension (mm)	Rated Life @L70B50 @ Ta25°C (hrs)	Materials
FBH71300v0-ms	13	1100	85	4000K [≥80]	120	Ø250 x H100	30000	PC housing + PC diffuser
FBH71300v1-ms	15	1300	87	4000K [≥80]	120	Ø250 x H100	30000	PC housing + PC diffuser

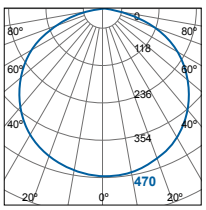
FBH71300v0



m	Lux	Ø cm
0.5	1720	173
1	430	346
1.5	191	520
2	108	693

Beam angle = 120°

FBH71300v1



m	Lux	Ø cm
0.5	1880	173
1	470	346
1.5	209	520
2	118	693

Beam angle = 120°

MEGAMAN® RONDA

FBH71400v0
FBH71400v1

120° | IP65 | IK08 | λ >0.9

FBH71400v0-ms
FBH71400v1-ms

120° | IP65 | IK08 | λ >0.9

220-240V

White (WH12)

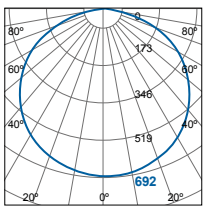
Standard Version

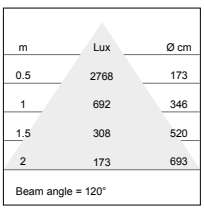
Model No.	Wattage (W)	Luminous Flux (lm)	Efficiency (lm/W)	Colour Temp. (CRI)	Beam Angle (°)	Dimension (mm)	Rated Life @L70B50 @ Ta25°C (hrs)	Materials
FBH71400v0	18	1650	92	4000K [≥80]	120	Ø300 x H100	30000	PC housing + PC diffuser
FBH71400v1	24	2200	92	4000K [≥80]	120	Ø300 x H100	30000	PC housing + PC diffuser

Motion Sensor version

Model No.	Wattage (W)	Luminous Flux (lm)	Efficiency (lm/W)	Colour Temp. (CRI)	Beam Angle (°)	Dimension (mm)	Rated Life @L70B50 @ Ta25°C (hrs)	Materials
FBH71400v0-ms	19	1650	87	4000K [≥80]	120	Ø300 x H100	30000	PC housing + PC diffuser
FBH71400v1-ms	25	2200	88	4000K [≥80]	120	Ø300 x H100	30000	PC housing + PC diffuser

FBH71400v0





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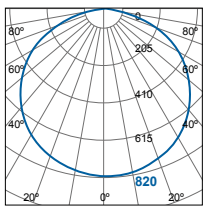
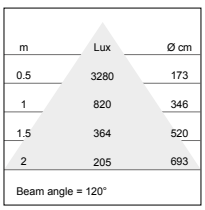




Integrated LED luminaire

MEGAMAN® TEKA

essentials MEGAMAN®
+ VALUE FOR MONEY + RELIABLE + EVERYDAY + LED FIXTURES +

MEGAMAN® TEKA

Garden lighting

Designed for outdoor application, MEGAMAN® TEKA features IP66 protection with rust-free finishing for a spike-mounted solution. MEGAMAN® TEKA is an integrated LED spike-mounted luminaire with built-in driver, it is perfect to replace conventional spike-mounted luminaires.

MEGAMAN® TEKA offers a flexible 180° tilt angle for directional lighting. It is made of an extra lightweight and durable polycarbonate material, it offers visual comfort with minimal glare.

Features

- Integrated LED with built-in driver which facilitates easy installation and maintenance
- Flexible tilt angle of 180° for directional lighting
- Offers visual comfort with minimal glare
- With IP66 protection, perfect for outdoor application
- Glare shield and spike are available for different applications
- Made with extra light-weight and durable polycarbonate material
- Rust-free finish

Applications

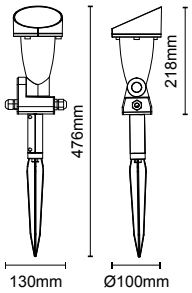
- Gardens
- Driveways
- Small lanes

Integrated LED luminaire

MEGAMAN® TEKA

F03500SP

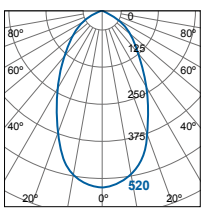
60° ±90° IP66 IK03 Class II



220-240V

White (WH12) Silver (SV12) Black (BK12) Green (GN12)

Model No.	Wattage (W)	Luminous Flux (lm)	Luminous Efficacy (lm/W)	Beam Angle (°)	Max. Luminous Intensity (cd)	Dimension (mm)	Colour Temp. [CRI]	Rated Life (hrs)	Materials
F03500SP	10.5	700	67	60	520	W100 x L130 x H476	3000K / 4000K [Ra80]	25000	Polypropylene compound



m	Lux	Ø cm
0.5	2080	58
1	520	115
1.5	231	173
2	130	231

Beam angle = 60°

Complete set comes with

Luminaire

Glare Shield

Spike

Integrated LED luminaire

MEGAMAN® CAPPI

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MEGAMAN® CAPPI

Garden lighting

MEGAMAN® CAPPI is a spike-mounted luminaire with IP54 protection for outdoor use. Working with the MEGAMAN® water-resistant LED PAR38 reflector lamp, MEGAMAN® CAPPI delivers excellent light output, which is perfect for use in gardens, driveways and small lanes. It offers a flexible tilt angle of 120° for directional lighting. It is made of an extra lightweight and durable polypropylene material.

Features

- Directly connects to the mains, which means it is free of compatibility issues with no extra cost for an external driver
- Reduces installation time and space required
- IP54 protection for outdoor use
- Instant start

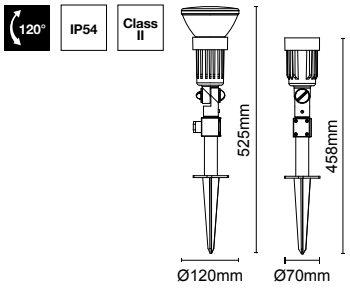
Applications

- Gardens
- Driveways
- Small lanes

Integrated LED luminaire

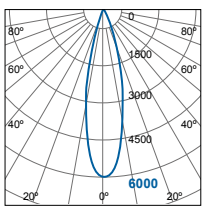
MEGAMAN® CAPPI

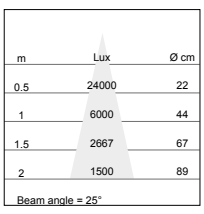
F32114SP



Black (BK12)

Model No.	Max. Wattage (W)	Dimension (mm)	Light Source	Lamp Base	Materials
F32114SP	16	Ø70 x H458	LED PAR38	E27	Polypropylene compound





Please refer to page 151 for more light source information

Integrated LED luminaire

Decoding the MEGAMAN® Model Number

Nomenclature of Luminaires (Products launched after 2006)

F 281 00 RC v1 – d

Category Name
F – Fixture

Sequence
Three digits for indication
From 001-999

Light Source
Two digits for indication
From 00-99

Examples:
00 – Integrated LED luminaire
01 – E27 base
17 – GU10 base

Usage / Installation Type
Two digits for indication

Examples:
PD – Pendant
RC – Recessed
SM – Surface mounted

Version
Two digits for indication
From 1-9
First letter "v" stands for version

Examples:
v1 = Version one

Technology
d = Triac dimming
dBT = *INGENIUM*® BLU
p = Perfect White
r = With microwave motion sensor
tw = Tunable White
w = Dim To Warm

Nomenclature of Luminaires (Products before 2006)

L 03 04 TK

Category Name
L – Luminaires

Sequence One
Two digits for indication
From 01-99

Indicates different series

Sequence Two
Two digits for indication
From 01-99

Indicates different appearance and application

Usage / Installation Type
Two digits for indication

Examples:
PD – Pendant
RC – Recessed
SM – Surface mounted

Nomenclature of LED Converters and Phase Cut Dimmable Electronic Transformer

LD 04 24 x1 v – C 700

Category Name
LD = LED converter or phase cut dimmable electronic transformer

Sequence One
Two digits for indication
From 01-99

Wattage
Two digits for indication

Examples:
05 – 5W
24 – 24W

Minimum quantity of LED lamp(s) to be connected
x1 – One Piece
x2 – Two Pieces

Technology
d – Triac dimming
v – DC1-10V

Type
C – Constant Current
K – Constant Voltage

Output Current / Voltage
For constant voltage converter, two digits stand for output voltage
12 – 12V

For constant current converter, three or four digits stand for output current
350 – 350mA
700 – 700mA
1050 – 1050mA

Upgrade of Nomenclature System

F DL 700 00 v0- dm/r9 + IP44 + 060A + UGR19 + PIR30

Category Name
F = Fixture

Series
Two letters for indication

Sequence
Three digits for indication
From 700-999

Lamp base
Two digits for indication
From 00-99

Version
Two digits for indication
From v0-v9

First letter "v" stands for version

Technology / Feature
Special Feature / Technology
Two digits, come with small letter(s) and/or number

IP Rating
First two letters and last two digits for indication

Examples:
IP44 = IP44 rating
IP54 = IP54 rating
IP65 = IP65 rating
IP66 = IP66 rating
…

Beam angle
Three digits for indication

Examples:
008 = 8°
025 = 25°
060 = 60°
110 = 110°
…

Last letter 'D' stands for degree
Last letter 'A' stands for asymmetrical

UGR
First three letters and last two digits for indication

Examples:
UGR19 = UGR19
UGR22 = UGR22

PIR Sensor (Brightness)
Brightness of PIR Sensor

Examples:
PIR00 = 0%/100%
PIR10 = 10%/100%
PIR30 = 30%/100%

Series
Two letters for indication

Example:

Proposed Prefix	Series
GB	Gimbal
LB	Lowbay
HB	Highbay
GL	Garden Lamp
DS	Downlight (≤ Ø95mm)
DM	Downlight (>Ø95mm to ≤Ø140mm)
DL	Downlight (>Ø140mm)
IB	Indoor Batten
OB	Outdoor Batten
TA	Tracklight (Asian track, 1-way)
TK	Tracklight (European track, 3 way)
TJ	Tracklight (Japanese track)
FL	Floodlight
PL	Panel
LP	Linear Profile
CL	Indoor Ceiling Lamp
BH	Outdoor Bulkhead
WL	Wall Lamp
BA	Bollards
IG	In-ground
WK	Working Lamp
PD	Pendant Lamp

Lamp base
Two digits for indication (From 00-99)

Example:

00	Integrated LED luminaire
01	General E27 Type
02	General E14 Type
03	General B22 Type
04	General B15d Type
05	General E12 Type
06	General E17 Type
07	General E26 Type
08	General E26/E25 Type
09	General E40 Type
11	Reflector / lamp with R50 Shape
12	Reflector / lamp with R63 Shape
13	Reflector / lamp with R80 Shape
14	Reflector with PAR38 Shape
15	Reflector with PAR30 Shape
17	Reflector with GU10 Shape
18	Reflector / lamp with GX53 Shape
33	Plug-In with R7s Base
35	Reflector with PAR20 Shape
39	Connector for lamp with G53 Base
40	Reflector with GX8.5 Shape
41	Plug-In with MR16 Base
42	Reflector with E14 Base
43	LED Module TECOH® MHx in 24W
45	LED Light Engine TECOH® CFx PHJ65-2
46	LED R7s with 78mm length
47	LED R7s with 118mm length
48	LED Module TECOH® MHx in 17W
49	LED Module TECOH® RDx
51	LED Light Engine TECOH® Thx
52	Asian track (1-way)
53	European track (3-way)
54	Japanese track compatible (1-way)

Technology / Feature
Special Feature / Technology
Two digits, come with small letter(s) and/or number
Example:

Existing Suffix	Proposed Suffix	Special Feature / Technology
Product with *INGENIUM*® BLU technology, start with 'b'		
-dBT	-b1	*INGENIUM*® BLU Gen 1
-dBT2	-b2	*INGENIUM*® BLU Gen 2
Product with *INGENIUM*® ZB technology, start with 'z'		
-dZB	-zb	*INGENIUM*® ZB 3.0
Others		
-d	-dm	Phase-Cut Dimming (Compact Dim, Dimmerable, U-DIM)
-	-da	built-in DALI Dimming
-	-db	Dual Beam Technology™
-	-dc	built-in DC1-10V Dimming
-w	-dw	Dim to Warm
-s	-ds	Step Dimming
-r	-ms	with Microwave Motion Sensor
-	-ps	with PIR Sensor
-p	-pw	Perfect White
-R9	-r9	RichColour
-	-ru	Utlra RichColour
-tw	-tw	Tunable White
-	-ex	External Driver Required
-	-em	Emergency Option
-	-hs	High Saturation
H	-hp	High Power Factor
-	-pl	Permanent Live for Emergency
-	-sc	Switching Correlated Colour Temperature (CCT)
-	-sw	ON/OFF Switch

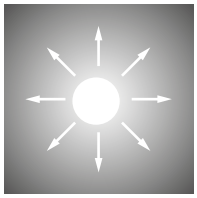
Colours / Materials

Code			Description (Colour, material, main process, 2nd process/texture, sequence)	Reference RAL Colour and Pantone
BK	1	1	Black, Plastic, Injected, Glossy, #1	RAL9004
BK	1	2	Black, Plastic, Injected, Matt, #2	RAL9004
BK	2	1	Black, Metal, Paint sprayed, Glossy, #1	RAL9005
BK	2	2	Black, Metal, Paint sprayed, Matt, #2	RAL9004
BK	2	3	Black, Metal,Paint sprayed, Coarse matt , #3	
BK	2	4	Black, Metal, Paint sprayed, Matt, #4	
BK	6	1	Black, Metal, Anodizing, Matt brush, #1	RAL9005
CH	5	1	Chromium, Metal, Electroplating, Brush, #1	
CH	5	2	Chromium, Metal, Electroplating, #1	
GD	2	1	Gold, Metal, Paint sprayed, Champagne, #1	RAL1035
GD	2	2	Gold, Plastic, Paint sprayed, Champagne, #2	
GD	2	3	Gold, Metal, Paint sprayed, Coarse Matt , #3	
GD	3	1	Gold, Plastic, Hot stamping, Brush, #1	RAL9006
GD	4	1	Gold, Plastic, Vacuum metalising gold, #1	
GD	5	1	Gold, Plastic, Electroplating, #1	
GD	5	2	Gold, Metal, Electroplating, #2	
GN	1	1	Green, Plastic, Injected, Glossy, #1	RAL6012
GN	1	2	Green, Plastic, Injected, Matt, #2	RAL6012
NI	4	1	Nickel, Plastic, Vacuum metalising aluminium, #1	
NI	5	1	Nickel, Plastic, Electroplating, #1	
NI	5	2	Nickel, Plastic, Electroplating, Swirl brush, #2	
NI	5	3	Nickel, Metal,Electroplating,Swirl brush, #3	
SV	1	1	Silver-grey, Plastic, Injected, Glossy, #1	RAL7005
SV	1	2	Silver-grey, Plastic, Injected, Matt, #2	RAL7036
SV	1	3	Silver-grey, Plastic, Injected, Matt, #3	
SV	1	4	Silver-grey, Plastic, Injected, Matt, #4	RAL7047
SV	1	5	Silver-grey, Plastic, Injected, Glossy, #5	RAL7042
SV	1	6	Silver-grey, Plastic, Injected, Matt, #6	
SV	2	1	Silver-grey, Plastic, Paint sprayed, Glossy, #1	RAL7040
SV	2	2	Silver-grey, Plastic, Paint sprayed, Matt, #2	RAL9006
SV	2	3	Silver-grey, Metal, Paint sprayed, Glossy, #3	RAL7038
SV	2	4	Silver-grey, Metal, Paint sprayed, Matt, #4	RAL9006
SV	2	5	Silver-grey, Plastic, Paint sprayed, Glossy, #5	RAL9006
SV	2	6	Silver-grey, Metal, Paint sprayed, Glossy, #6	RAL9006
SV	2	7	Grey, Metal, Paint sprayed, Granite, #7	
SV	2	8	Silver-grey, Metal, Paint sprayed, Glossy, #8	
SV	3	1	Silver-grey, Plastic, Hot stamping, Brush, #1	
SV	6	1	Silver-grey, Metal, Anodizing, Straight brush, #1	RAL9006
SV	6	2	Silver-grey, Metal, Anodizing, Sandblast, #2	RAL9006
SV	6	3	Silver-grey, Metal, Sandblast, #1	
SV	6	4	Silver-grey, Metal, Anodizing, Swirl brush, #4	
WH	1	1	White, Plastic, Injected, Glossy, #1	RAL9001
WH	1	2	White, Plastic, Injected, Matt, #2	RAL9001
WH	1	3	White, Plastic, Injected, Glossy, #3	RAL9003
WH	2	1	White, Metal, Paint sprayed, Glossy, #1	RAL9003
WH	2	2	White, Metal, Paint sprayed, Granite , #2	
WH	2	3	White, Plastic, Paint sprayed,Glossy, #3	
WH	2	4	White, Metal,Paint sprayed,Coarse matt, #4	
WH	2	5	Ivory White, Metal,Paint sprayed,Matt, #5	
WH	2	6	White, Metal,Paint sprayed,Matt, #6	

Connection Box / Terminal Block

Model No.	Connection type		
LA2501	Parallel type (Short version)	2-Way	
LA2502	Single screw type (Long version)	2-Way	
LA2504	Single screw type (Short version)	2-Way	
LA2505	Parallel type (Long version)	2-Way	
LA5111	Single screw type	3-Way	
LA5113	Single/Parallel push-in type	3-Way	
LA5211 (with fixing bracket)	Single screw type	3-Way	
LA5213 (with fixing bracket)	Single/Parallel push-in type	3-Way	

Symbol Information



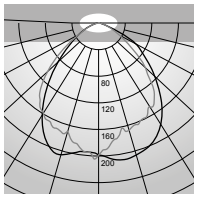
Luminous Flux
Unit: lumen

Luminous flux is the total amount of light energy radiated from a light source in all directions and is expressed in lumens.

Luminous Intensity
Unit: candela (cd)

Luminous intensity is the luminous flux in a given direction expressed in candelas (cd) as a measure of the visibility of a light source.

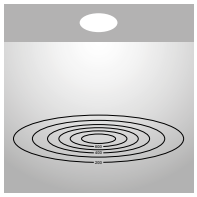
Most light sources emit the light at different strengths in different directions, the intensity distribution must be given for all directions to have a complete description of the light field. The representation in a polar-coordinate diagram is called a luminous intensity distribution curve.



Luminous Intensity Distribution Curve

A luminous intensity distribution curve is a graphical presentation of the distribution of light intensity of a light source, mainly used to show the light output of a reflector lamp or a luminaire. The curve is typically represented in polar plots because this format helps users to visualize both the orientation and the light distribution of the luminaire.

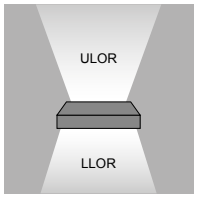
The luminous intensity distribution of a luminaire depends on its optical design that can involve the shape and form of the light source, reflectors, louvres, diffusers, lenses or shields which may be used to control the light output.



Illuminance
Unit: lx

Illuminance is the quantity of light illuminating a surface from all directions. Standard unit of measurement is lux (lx), which is lumen per square meter (lm/m^2).

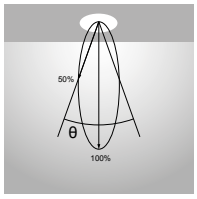
This is used to measure the brightness level of a working surface or an area. The illumination level is often represented with isolux-curves.



Light Output Ratio (LOR)

The ratio of the total light emitted by a luminaire to the total light output of the lamp(s) fitted into the luminaire. The light output ratio is always less than 1.

It is sometimes divided into an Upper Light Output Ratio (ULOR) and a Lower Light Output Ratio (LLOR).



Beam Angle (θ)
Unit: °

The beam angle defines the angular dimension of the light cone from directional lamps, it is measured between the points in the beam that are 50% of the centre peak intensity. It is an important parameter reference for spotlights and reflector lamps.

Explanation of IP Numbers for Degrees of Protection

Degrees of protection indicated by the first characteristic numeral

First characteristic numeral	Degree of protection	
	Short description	Brief details of objects which will be "excluded" from the enclosure
2	Protected against solid objects greater than 12mm	Fingers or similar objects not exceeding 80mm in length. Solid objects exceeding 12mm in diameter
4	Protected against solid objects greater than 1,0mm	Wires or strips of thickness greater than 1,0mm. Solid objects exceeding 1,0mm in diameter
5	Dust-protected	Ingress of dust is not totally prevented but dust does not enter in sufficient quantity to interfere with satisfactory operation of the equipment
6	Dust-tight	No ingress of dust

Degrees of protection indicated by the second characteristic numeral

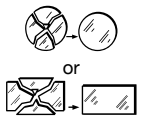
Second characteristic numeral	Degree of protection	
	Short description	Details of the type of protection provided by the enclosure
0	Non-protected	No special protection
3	Protected against spraying water	Water falling as a spray at an angle up to 60° from the vertical shall have no harmful effect
4	Protected against splashing water	Water splashed against the enclosure from any direction shall have no harmful effect
5	Protected against water jets	Water projected by a nozzle against the enclosure from any direction shall have no harmful effect
6	Protected against heavy seas	Water from heavy seas or water projected in powerful jets shall not enter the enclosure in harmful quantities

Class I - Earthed
Protection against electrical shock by earthing

Class II - Double Insulated
The luminaire provides protection against electrical shock using both the base insulation and an additional or reinforced insulation.

Class III - SELV
Supply by safety extra-low voltage provides protection against electrical shock.

European Community Mark



Replace any cracked protective shield

Beam angle

Rotating angle

Tilting angle

Chemical Resistance

Chemical Agents	Polycarbonate	PMMA	Strainless Steel
Acetic acid 10%	+	+	+
Acetone	-	-	+
Alcoholic beverages	+	o	+
Aluminium sulphate	+	+	o
Ammonia 5%	-	+	+
Aniline	-	-	+
Arsenic acid 20%	+	+	+
Benzene	-	-	o
Bencylic alcohol	-	-	o
Bromine	-	-	-
Calcium Chloride	+	+	o
Calcium nitrate	+	+	o
Carbon tetrachloride	-	-	o
Carbonic acid	-	-	+
Caustic potash 5%	-	+	o
Cement	+	+	o
Hydrochloric acid 1-5%	+	+	-
Chlorine liquids (vapours)	-	-	o
Chloroform	-	-	+
Chromic acid	o	o	o
Citric acid 20%	+	+	o
Copper sulphate	+	+	o
Diesel-naphta oil	o	+	+
Ethyl alcohol 30%	+	o	+
Ethyl chloride	-	-	+
Ethyl ether	-	-	o
food oils and fats	-	+	+
formic acid 10%	+	+	o
Glycerine	+	+	+
Hexane	+	+	+
Iodine	-	+	-
Iron chloride	+	+	-
Isopropylic alcohol	o	o	o
Lubricating oil	+	+	+
Magnesium sulphate	+	+	+
Methanol	-	o	+
Mineral oils	+	+	+
Nitric acid 20%	o	+	+

Chemical Agents	Polycarbonate	PMMA	Strainless Steel
Oxygen	+	+	+
Ozone	+	+	o
Perchloric acid 10%	+	+	-
Petrol	-	+	+
Phenol	-	-	o
Pothassium bromide	+	+	o
Pothassium nitrate	+	+	o
Pothassium permanganate	+	+	o
Sea climate	+	+	o
Silicon oils	+	o	+
Soda bleach 15%	-	+	o
Sodium chloride	+	+	o
Sodium hydroxide 5%	-	+	o
Sodium sulphate	+	+	o
Sugar	+	+	+
Sulphur	+	+	o
Sulphuric acid 30%	+	+	-
Toluene	-	-	+
Trichloroethylene	-	-	o
Zinc sulphate	+	+	o

+	Resistant
o	Relatively resistant
-	Non-resistant

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