Professional LED Lighting
LIGHTING THE WAY TO A BETTER WORLD

Light does not only illuminate objects. It also dramatically enhances the atmosphere of living spaces as well as allows for the occupants to feel relaxed and at ease. LED lighting, in particular, offers greater energy savings along with higher colour rendering properties, opening up a new realm of possibilities.

For over 45 years, Panasonic has continued to advance lighting in terms of technology, quality, and design methods for spaces. Panasonic now enjoys a proven track record as a trusted, first choice brand of lighting products in Japan.*

“Panasonic LED” will continue to achieve greater energy savings while enriching various living spaces and urban environments around the world.

Experience for yourself how our LED lighting products add value to any application.

*Panasonic survey in September 2014

Panasonic LED

MORE COMFORT

Optimal lighting solutions created with Panasonic Lighting design methods for spaces make everyday living more comfortable.

MORE BEAUTY

Uniformly bright light and distinct shadows provide maximum lighting quality to create living and working with more beauty.

MORE RELIABILITY

Unamortized quality following stringent internal safety standards aligning with international standards to ensure long-term reliability.
PANASONIC’S UNIQUE PROFESSIONAL ASSISTANCE

Panasonic Professional Lighting offers 3 core values:

Beauty, Comfort and Reliability

In addition to the 3 core values we also provide assistance through our light engineering support, technical, tools and Panasonic unique Technologies. We provide solutions that balance our customer’s business success and environmental & social sustainability.

Planning and basic design

• Drawing the lighting concept
• A sketch of the proposal
• Collaboration with designers and architects

Testing and on-site validation

• Use various lamps to test contrast effects
• Demonstration through a mockup
• Examination of the appearance of the light distribution and color

Design and implementation

• Light distribution plan
• Considering the human sense of brightness through FEU
• Verification by real CD

Validation after completion

• Confirmation and adjustment on site at time of delivery
• Validation of illumination and FEU after delivery
• Accumulation of evaluation
The Founder’s Words Of Wisdom

The founder, Kenroku Matsushita, was a philosopher and creative thinker who spent a lifetime contemplating the significance of wisdom and vision. The words that he left behind reveal the essence of life and touch the hearts of people even in today’s age.

The Path Is Infinite

We should always be determined to go after something new and better by enthusiastically doing what should be done. In this world of varieties, you will find great chances and progress from your earlier. In fact you are advanced, in the state of “better” there is no limit. Therefore, as long as you are committed to doing your best, you will be able to move forward and do much good on this world. Be a pathfinder.

Love Others Like Yourself

Love others like yourself, for if you love them as you love yourself, they will also answer the same way. Let them feel your love and care, and be kind to each other. Love others with all your heart and soul, and they will love you back in return.

With an Open Mind

If anything is not going well, consider the matter calmly, see if it is due to something that you did not expect. You must understand that things are changing all the time, and sometimes even the smallest changes can result in significant outcomes.

COMMERCIAL

RETAIL & HOSPITALITY

INDUSTRIAL

OUTDOOR
### SCANTO PLUS

**BASE LIGHT**

Deep-type recess mounting LED luminaire equipped with ITO glass powder coating housing and glass diffuser with separate energy-efficient electronic driver.

**Product Specification**
- **Input Voltage:** 100-240VAC, 50/60Hz
- **Operating voltage range:** 100-300V
- **High Performance electronic driver ensures Zero Maintenance**
- **High Surge Protection:** 2,5kV
- **Average Life:** 50,000 hrs
- **High transmittance PMMA diffuser for glare-free symmetric light distribution**
- **RoHS compliant, UL & cUL approved**
- **Operating Temperature:** -15°C to 40°C
- **Dimmable option available (Analog & DALI)**

**Application areas**
- Corporate, Offices, Retail Stores, Hospitals, Hotels, and Restaurants

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**Dimensions and Luminance**

- **25W**
  - **4000K:** PBLME3025 3380lm, PBLME1154 3380lm
  - **3000K:** PBLME3027 3392lm, PBLME1157 3392lm
- **30W**
  - **4000K:** PBLME3030 3910lm, PBLME1366 3910lm
  - **3000K:** PBLME3038 3910lm, PBLME1368 3910lm

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**Line Diagram**

- **Planometric view**
- **Phenomenal view**

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**Technical Details**

- **Rate Rating:** 80 IP 20
- **Frequency:** 50/60Hz
- **Power:** 20W / 30W / 35W
- **Color Temperature:** 4000K / 3000K
- **Beam Angle:** 120° / 80° / 60°
**SCANTO**

**Ultra Slim Base Light**

Ultra slim edge profile design featuring LED technology with dedicated aluminum housing and glare diffuser and separate食べる efficient electronic driver.

**Product Specification**

- Input Voltage: AC100-240V, 50/60Hz
- Operating voltage range: 180-264V
- High Performance electronic driver ensures Zero Maintenance
- High Surge Protection: 250V
- Average Life (50000): 50000 hrs
- High transmittance PMMA diffuser for glare-free symmetric light distribution
- 100% no-flicker, UL & WR44 certified
- Operating Temperature: -20°C to +40°C

**Application areas**

- Corner/Ceiling/Wall Mounting
- Surface Mounting in Office, Hallway, and Exhibition (Exhibition 600×600)

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**HEIHO**

**BASE LIGHT**

Americanized designed recess fixture with drop down efficiency. Fixture made of PMMA material with powder coating. Drop down PMMA diffuser used in balance light on the ceiling & walls.

**Product Specification**

- Input Voltage: AC100-240V, 50/60Hz
- Operating voltage range: 140-264V
- High Performance electronic driver ensures Zero Maintenance
- High Surge Protection: 250V
- Average Life (50000): 50000 hrs
- High transmittance PMMA diffuser for glare-free symmetric light distribution
- 100% no-flicker, UL & WR44 certified
- Operating Temperature: -20°C to +40°C
- Drenchable option available (Shading & OK)

**Application areas**

- Recess (4x4) Corners (4x4) Recess (600x600) Corners (4x4)
SLENDO SUSPENDED LINEAR DOWN TYPE

Ancestrally designed LED linear fixture suitable for suspended down type with housing made of high quality extruded aluminum alloy including die-cast aluminum end caps. These series are also available with seawater corrosion resistant systems ensuring no rust or decay issues.

Application areas
- Commercial Offices
- Reception Areas
- Exhibition Areas
- Indoor Workspaces

Product Specification
- Input Voltage: AC230V-49~63Hz
- Operating voltage range: 150~250V
- High Surge Protection: 4kV
- Average Life: 30,000 hrs
- BMI: 60,000 hrs
- No harmful UV & IR radiation
- Operating Temperature: -10°C to +40°C
- Dimmable option available (Driving & DC6, K)
- Customization shapes available: "P", "L", "T"

Dimension (mm)

L500K
L1000K
L1500K

620 x 50 x 88
600 x 50 x 88
600 x 50 x 88

Customization shapes

Panasonic

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Application areas
- Commercial Offices
- Reception Areas
- Exhibition Areas
- Indoor Workspaces

Product Specification
- Input Voltage: AC230V-49~63Hz
- Operating voltage range: 150~250V
- High Surge Protection: 4kV
- Average Life: 30,000 hrs
- BMI: 60,000 hrs
- No harmful UV & IR radiation
- Operating Temperature: -10°C to +40°C
- Dimmable option available (Driving & DC6, K)
- Customization shapes available: "P", "L", "T"
**SLENDO RECESSED LINEAR FIXTURE**

Asynchronously designed LED linear fixture with housing made of high quality extruded aluminium with all components epoxy coated. All These series are also available with seamless continuous lighting system ensuring a visible dark spot at light gate.

**Product Specification**
- **Input Voltage**: AC100V-240V, 50/60Hz
- **Operating voltage range**: 105-230V
- **High Surge Protection**: 4kV
- **Average Life**: 70,000 - 100,000 hrs
- **Baffle filter with push fit technology
- **No harmful UV & IR radiations
- **Operating Temperature**: -25°C to +40°C
- **Loop in loop out option (on request)
- **Welded accessories for continuous linear connection
- **Dimmable option available** (Contact: 345, 85)

**Application areas**
- Citizen/Matrix/Linear/Recessed/Linear
- Light area

**Note:** 100% Aluminium, and 345, 85 is the contact number for more information.
<table>
<thead>
<tr>
<th>Wattage</th>
<th>5W</th>
<th>10W</th>
<th>15W</th>
<th>20W</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000K</td>
<td>PEL.M12523 990lm</td>
<td>PEL.M12723 990lm</td>
<td>PEL.M12923 1290lm</td>
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<td>PEL.M13224 1050lm</td>
<td>PEL.M13224 1390lm</td>
<td>PEL.M13224 1940lm</td>
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<td>6000K</td>
<td>PEL.M13227 1000lm</td>
<td>PEL.M13227 1000lm</td>
<td>PEL.M13227 1900lm</td>
<td>PEL.M13227 2000lm</td>
</tr>
</tbody>
</table>

**Dimension (mm)**
- 5W: 120 x 120 x 30
- 10W: 150 x 150 x 30
- 15W: 190 x 190 x 30
- 20W: 190 x 190 x 33

**Product Specification**
- Input Voltage: 110VAC±10%; 50/60Hz
- Operating voltage range: 105-305V
- High Performance electronic driver ensures Zero Maintenance
- High Surge Protection: 2.5kV
- Average Life: 70,000-200,000 hrs
- High-quality polycarbonate diffuser for glareless uniform lighting distribution
- No hazardous UV and IR radiations
- Operating Temperature: -20°C to +40°C
- Durable option available (Shading or DALK)

**Application Areas**
- Residential & Commercial Use: Halls, Rooms, Hotels, Stores, Shopping Malls & Retail
- Landscape & Outdoor Applications: Restaurants, Hotels, Parks, Gardens

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**Diagram**

- **Spur PC Down Light**
- **Luminous Flux:** 3000lm
- **Operating Voltage:** AC100-240V, 50Hz/60Hz
- **Flux Module:** PEL.M12923 1290lm
- **Driver:** PEL.M12723 1790lm

**CE RoHS Compliance:**
- CE Marking: PEL.M12923 1290lm
- RoHS Compliance: PEL.M12723 1790lm
**BLUSH CIRCULAR ALUMINIUM PANEL LIGHT**

- Recess-mounted slim circular type LED panel with standard aluminium housing and smooth powder-coated finish with anti-corrosion stabilized diffuser and separate energy efficient electronic driver.
- **Application areas**: Habitat, Corporate offices, Motels, Hotels, Shopping Malls, Office, Commercial & Residential

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**Product Specification**

- Input Voltage: AC230V±10% (50/60Hz)
- Operating voltage range: 155-230V
- High performance electronic driver ensure Zero Maintenance
- High Surge Protection: 2500V
- Average life: 75,000 hrs
- High quality polycarbonate flame retardant for guaranteed uniform lighting distribution
- No harmful UV and IR radiations
- Operating Temperature: -10°C to +50°C

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**BLUSH SQUARE ALUMINIUM PANEL LIGHT**

- Recess-mounted slim square type LED panel with standard aluminium housing and smooth powder-coated finish with anti-corrosion stabilized diffuser and separate energy efficient electronic driver.
- **Application areas**: Habitat, Corporate offices, Motels, Hotels, Shopping Malls, Office, Commercial & Residential

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**Product Specification**

- Input Voltage: AC230V±10% (50/60Hz)
- Operating voltage range: 155-230V
- High performance electronic driver ensure Zero Maintenance
- High Surge Protection: 2500V
- Average life: 75,000 hrs
- High quality polycarbonate flame retardant for guaranteed uniform lighting distribution
- No harmful UV and IR radiations
- Operating Temperature: -10°C to +50°C
DISTILL CIRCULAR ALUMINUM DOWN LIGHT

Product Specification
- Knob Voltage: AC220V-240V (50/60Hz)
- Operating voltage range: 170-270V
- High performance electronic driver ensures Zero Maintenance
- High Surge Protection: 2300V
- Average Life: (17,000-30,000) hrs
- High Quality polycarbonate lens for enhancements uniform lighting distribution
- No harmful UV and IR radiation
- Operating Temperature: -20°C to +40°C

Application areas
- Neatly in Commercial & Office, Hotels
- Shopping Malls | Resort | Large Restaurants | Hotels

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- Average Life: (17,000-30,000) hrs
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- Operating Temperature: -20°C to +40°C

Application areas
- Neatly in Commercial & Office, Hotels
- Shopping Malls | Resort | Large Restaurants | Hotels
**SPINDLE CIRCULAR SUSPENDED**

Circular suspended mounted LED luminaire comprises of CRI80 high CRI LED engine with a multi-iron coating in black. The LED engine is assembled in the body at high efficacy using precise injection moulded diffusers.

**Application areas**
- Indoor Office
- Dining Room
- Exhibition Hall

**Product Specification**
- Rated Voltage: AC85V~265V, 50/60Hz
- Operating voltage range: 140~270V
- High performance electronic driver ensures zero maintenance
- High Surge Protection: 2.5kV
- Average Life: 50,000 hours
- High transmittance PMMA diffuser for glare-free, symmetric light distribution
- Ra >80 (CRI 90)
- Operating Temperature: -10°C to +45°C

**Line Diagram**

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**SPINDLE CIRCULAR SURFACE**

Cicular surface mounted LED luminaire comprises of CRI80 high CRI LED engine with a multi-iron coating in black. The LED engine is assembled in the body at high efficacy using precise injection moulded diffusers.

**Application areas**
- Indoor Office
- Dining Room
- Exhibition Hall

**Product Specification**
- Rated Voltage: AC85V~265V, 50/60Hz
- Operating voltage range: 140~270V
- High performance electronic driver ensures zero maintenance
- High Surge Protection: 2.5kV
- Average Life: 50,000 hours
- High transmittance PMMA diffuser for glare-free, symmetric light distribution
- Ra >80 (CRI 90)
- Operating Temperature: -10°C to +45°C

**Line Diagram**
**PEAR CYLINDRICAL SUSPENDED**

Cylindrical suspended round LED luminaire comprises of A-housing, put powder coated in black for modern offices, residential area & other interiors. General transparent PMMA diffuser used for better lighting distribution.

**Product Specification**

- Rated Voltage: 220/240VAC, 50/60Hz
- Operating voltage range: 245-275V
- High performance electronic driver ensures zero maintenance
- High Surge Protection: 3kV
- Average Life: 75000 / 50000 hrs
- No harmful UV & IR radiation
- Operating Temperature: -20°C to +40°C

**Application Areas**

Modern Office | Commercial & Institutional | Residential | Area

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Cylindrical surface mounted LED luminaire comprises of A-housing, put powder coated in black for modern offices, residential area & other interiors. General transparent PMMA diffuser used for better lighting distribution.

**Product Specification**

- Rated Voltage: 220/240VAC, 50/60Hz
- Operating voltage range: 245-275V
- High performance electronic driver ensures zero maintenance
- High Surge Protection: 3kV
- Average Life: 75000 / 50000 hrs
- No harmful UV & IR radiation
- Operating Temperature: -20°C to +40°C

**Application Areas**

Modern Office | Commercial & Institutional | Residential | Area
**Product Specification**

- **Input Voltage**: 400-240V, 50/60Hz
- **Operating Voltage Range**: 180-300V
- **High Surge Protection**: 250V
- **Average Life**: 50,000 hrs
- **High transmittance PMMA diffuser for glare-free symmetric light distribution**
- **Neutralizing UV & IR Radiation**
- **Operating Temperature**: -10°C to +40°C

**Application Areas**

- Restaurants
- Hotels
- Educational Institutes
- Libraries
- Hospitals
HOSPITALITY
In the hospitality industry, lighting plays a vital role in setting the right ambience. We have a host of custom lighting solutions that are perfect for all kinds of hospitality spaces.

GUEST ROOM
Gleness DL, EDB DL

CORRIDOR
Gleness DL, Gleness DL

BANQUET HALL
Gleness DL, Gleness DL

CONFEERENCE
Gleness DL

RECEPTION
Gleness DL, Track Light, Space Player

ELEVATOR HALL
CBD DL, Pin Hole DL
## Product Specification
- **Peak Voltage:** AC230V(±10%)/50Hz
- **Operating voltage range:** 180-265V
- **High performance electronic driver ensures Zero Maintenance**
- **High Surge Protection:** 2.5kV
- **Average Life:** >70000 hours
- **High performance elevated glass aluminium reflector to enhance the uniform output of the fixture**
- **Non-flicker, UV and IR radiation**
- **Operating temperature:** -20°C to +40°C
- **High efficiency adjustable spotlight**

### Application areas
- Meeting Rooms & Corporate Offices
- Restaurants & Hotels
- Shopping Malls & Retail
- Education & Healthcare
- Finance

### Technical Specifications

<table>
<thead>
<tr>
<th>Watts</th>
<th>3W</th>
<th>7W</th>
<th>15W</th>
<th>25W</th>
<th>38W</th>
<th>42W</th>
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<td>88lm/W</td>
<td>88lm/W</td>
<td>88lm/W</td>
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</tr>
</tbody>
</table>

**Dimensions:**

- **3W:** 56x56mm
- **7W:** 85x85mm
- **15W:** 110x110mm
- **25W:** 145x145mm
- **38W:** 182x182mm
- **42W:** 205x205mm

**Lumen Output:**

- **3W:** 360lm
- **7W:** 665lm
- **15W:** 1110lm
- **25W:** 2750lm
- **38W:** 380lm
- **42W:** 2750lm

**Weight:**

- **3W:** 0.2kg
- **7W:** 0.5kg
- **15W:** 0.9kg
- **25W:** 1.3kg
- **38W:** 1.8kg
- **42W:** 2.1kg

**Dimensions:**

- **3W:** L:56mm, W:56mm, H:56mm
- **7W:** L:85mm, W:85mm, H:85mm
- **15W:** L:110mm, W:110mm, H:110mm
- **25W:** L:145mm, W:145mm, H:145mm
- **38W:** L:182mm, W:182mm, H:182mm
- **42W:** L:205mm, W:205mm, H:205mm

**Certifications:**

- CE
- RoHS
- ENEC
- BIS

**Note:**

- Dimensions are in mm.
- Luminous efficiency is measured in lm/W.
**Product Specification**

- Input Voltage: AC100V-240V, 50/60Hz
- Operating voltage range: 90~265V
- High performance electronic driver ensures Zero Maintenance
- High Surge Protection: 2500V
- Average Life: 75,000~50,000 hrs
- High purity aluminum reflector to enhance the lumen output of the fixture
- Non-dimmable: UL and cUL certifications
- Operating temperature: -20°C to +40°C
- High efficiency adjustable spotlight

**Application areas**
- Healthcare & Corporate Office
- Museums & Retail Stores
- Shopping Malls & Airport Lounges
- Restaurants & Hotels

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**CASK**

Cob Down Light

Recess-mounting circular COB LED downlight with die-cast aluminum housing in extra power-coating finish. Specialively designed heat sink, anti-glare all-flower and separate energy efficient electronic driver.
**Product Specification**

- **Input Voltage**: AC 200-240V, 50/60Hz
- **Operating Voltage Range**: 90%~105%
- High performance electronic driver ensures Zero Maintenance
- **High Surface Protection**: IP20
- **Average Life**: 50,000 hours
- High-parity aluminum-glass aluminum reflector to enhance the luminous output of the fixture
- **Operating Temperature**: -10°C to +40°C
- **High efficiency adjustable spotlight**

**Application Areas**
- Retail & Office
- Hospitality
- Hotels
- Shopping Malls
- Restaurants
- Hotels

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<td>2720lm</td>
<td>3930lm</td>
<td>4320lm</td>
<td></td>
</tr>
</tbody>
</table>

**Dimensions (mm)**
- 68 x 68 x 66
- 85 x 85 x 85
- 110 x 110 x 85
- 145 x 145 x 110
- 160 x 160 x 125
- 183 x 183 x 127

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**Image Descriptions**

- Top view with dimensions
- Cutout view
- Photometric data
SLANT
IP46 DOWN LIGHT
Water Proof Recess mounting Circular LED luminaire with diecast aluminium housing in white anodized finish, specially designed heat sink and separate energy efficient electronic driver.

Product Specification
- Input Voltage: AC100-240V, 50/60Hz
- Operating voltage range: 180-260V
- High Performance electronic driver ensures Zero Maintenance
- High Surge Protection: 8.5kV
- Average Life (7000h): 50000hrs
- High purity textured glass aluminized reflector
- No harmonic, UV & IR emissions
- Operating Temperature: -15°C to 40°C

Application areas
- Restaurants / Restaurants, Offices / Retail / Reception

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ADROIT
ADJUSTABLE DOWN LIGHT
Recess Mounting Adjustable type Circular LED luminaire with diecast aluminium housing in white anodized finish, specially designed heat sink and separate energy efficient electronic driver.

Product Specification
- Input Voltage: AC100-240V, 50/60Hz
- Operating voltage range: 180-260V
- High Performance electronic driver ensures Zero Maintenance
- High Surge Protection: 12kV
- Average Life (7000h): 50000hrs
- High purity textured glass aluminized reflector
- No harmonic, UV & IR emissions
- Operating Temperature: -15°C to 40°C

Application areas
- Restaurants / Restaurants, Offices / Retail / Reception

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Product Specifications:
- 3000K
- A01.198250 / 1000lm
- 2200K
- A01.198250 / 2000lm
- 4000K
- A01.198250 / 3000lm
**ADROIT**
PIN HOLE ADJUSTABLE DOWN LIGHT

Release Mounting Pin hole Type Adjustable Circular LED Luminaire with the dual aluminium housing design ensuring electromagnetic brush, specially designed heat sink and superior energy efficient aluminium reflector.

**Application areas**
- Domestic/Lighting/Industrial/Ext.

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**TRACT LIGHT**

- Architecturally designed LED track light luminaires equipped with aluminium die-cast heatsinks.

**Application areas**
- Restaurant/Hotel/Lobby/Elfin. Shop/Display/Exhibition.

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**Product Specification**
- Input Voltage: AC200-240V, 50/60Hz
- Operating voltage range: 180-265V
- High performance electronic driver ensures zero harmonics
- High Surge Protection: 2250V
- Average life: 150,000 hrs
- High purity graded clean-finished aluminium reflector
- No flicker for RF applications
- Operating Temperature: -20°C to +40°C

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**Product Specification**
- Input Voltage: AC200-240V, 50/60Hz
- Operating voltage range: 180-265V
- High performance electronic driver ensures zero harmonics
- High Surge Protection: 2250V
- Average life: 150,000 hrs
- High purity graduated clean finished aluminium reflector
- No flicker for RF applications
- Operating Temperature: -20°C to +40°C
Product Specification

- Input Voltage: 100-277Vac, 50/60Hz
- Operating voltage range: 100-300V
- High performance PSE electronic driver ensures precise harmonics
- PPS driver is used for vibration proof performance
- High Surge Protection: 5kV
- Average Life L70B50: 85,000 hrs
- Optics - Lens for better light distribution
- No harmful UV & IR emissions
- Operating temperature: -40°C to +60°C
### Product Specification

- **Input Voltage**: AC230V (+10%/-15%), 50/60Hz
- **Operating Voltage Range**: 190-265V
- **High performance PES electronic driver ensures**
  - **no maintenance**
  - **IP65 rated for vibration proof performance**
- **High Surge Protection**: 6kV
- **Average Life**: L70B50 80,000 hrs
- **Optics - Lens for better light distribution**
- **No Harmful UV & IR emissions**
- **Operating Temperature**: -30°C to 40°C

### Application areas

- Warehouses
- Parking Areas
- Stadiums
- Factories
- Warehouses
**ENVISO PLUS**
**CIRCULAR BAY LIGHT**

Automatically designed indoor LED high bay equipped with specially designed heat sink and rotation integrated energy saving driver to meet the different requirements across domestic applications.

### Product Specification
- **Bays Voltage**: AC277VAC 12000VAC
- **Operating voltage range**: 175-260V
- **High performance electronic driver assure Zero Maintenance**
- **Rated driver is used for vibration proof performance**
- **High Surge Protection**: 3KV
- **Average Life >35000: 15000 hrs**
- **Optics Lens for better light distribution**
- **No humming, Low Noise operation**
- **Operating Temperature**: -10°C to +40°C

### Application Areas
- Warehouses
- Bowling/Assembly/Conveyor Belt/Truck Rooms
- Active/Passive Air Conditioning Bays

### Performance Data

<table>
<thead>
<tr>
<th>Model</th>
<th>85W</th>
<th>105W</th>
<th>120W</th>
<th>150W</th>
<th>180W</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOCK</td>
<td>PSFM2800B</td>
<td>PSFM2900B</td>
<td>PSFM2970CBE</td>
<td>PSFM2970CBE</td>
<td>PSFM2970CBE</td>
</tr>
<tr>
<td>Site</td>
<td>15000V</td>
<td>14500V</td>
<td>14500V</td>
<td>21700V</td>
<td>24300V</td>
</tr>
<tr>
<td>Emission Angle (°)</td>
<td>218.5 x 218.2 x 171</td>
<td>218.5 x 218.2 x 171</td>
<td>218.5 x 218.2 x 171</td>
<td>218.5 x 218.2 x 171</td>
<td>218.5 x 218.2 x 171</td>
</tr>
</tbody>
</table>

**NEW**

[Diagram of the product]

**Dia:** ***H***

**Dia:** ***H***
## ENVISO PLUS
### CIRCULAR BAY LIGHT

Automatically designed indoor LED high bay equipped with specially designed heat sink and rotatable integrated energy efficient and durable to meet the different requirement across industrial application,

### Product Specification
- Aqui Voltage: 400-480VAC, 50/60Hz
- Operating voltage range: 175-265VAC
- High Performance electronic driver ensure Zero Maintenance
- Potted driver is used for vibration proof performance
- High Surge Protection: 30kV
- Average Life >80000 - 80000 hrs
- Optics: Lens for better light distribution
- No Harsh DC & M irradiations
- Operating Temperature: -20°C to +40°C

### Application areas
- Warehouses and Loading Docks & Steel Plants
- Industrial Automation Etc.

### Table

<table>
<thead>
<tr>
<th>Wattage</th>
<th>80W</th>
<th>100W</th>
<th>120W</th>
<th>150W</th>
<th>180W</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOck</td>
<td>14000m</td>
<td>16000m</td>
<td>18000m</td>
<td>20000m</td>
<td>24000m</td>
</tr>
<tr>
<td>PAR20MEDataire</td>
<td>270.2 x 270.2 x 171</td>
<td>270.2 x 270.2 x 171</td>
<td>270.2 x 270.2 x 171</td>
<td>270.2 x 270.2 x 171</td>
<td>270.2 x 270.2 x 171</td>
</tr>
<tr>
<td>PAR20Extension</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Diagrams
- Line Diagram
- Photometric data
**ENVISO CIRCULAR BAY LIGHT**

Artistically designed indoor/LED high bay luminaire with specially designed heat sink and reliable integrated energy efficient driver to meet the different requirement across industrial applications.

**Product Specification**
- Input Voltage: AC230VAC, 50/60Hz
- Operating altitude range: 0-1500m
- High performance electronic driver ensure Zero Maintenance
- High Surge Protection: 4kV
- Average Life: 50000h / 60000 hrs
- Options: Line for better light distribution
- No harmonic, flicker & ballastics
- Operating Temperature: -20°C to +40°C
- Dimmable option available (DAEB)

**Application areas**
- Textile & Processing (Loom, Spinning & Textile Plants)
- Metal Processing (Furnaces & Plants)
- Metal Recocity (Lathes & Presses)

---

**ENVISO CIRCULAR BAY LIGHT**

Product Specification
- Input Voltage: AC230VAC, 50/60Hz
- Operating altitude range: 0-1500m
- High performance electronic driver ensure Zero Maintenance
- High Surge Protection: 4kV
- Average Life: 50000h / 60000 hrs
- Options: Line for better light distribution
- No harmonic, flicker & ballastics
- Operating Temperature: -20°C to +40°C
- Dimmable option available (DAEB)

**Application areas**
- Textile & Processing (Loom, Spinning & Textile Plants)
- Metal Processing (Furnaces & Plants)
- Metal Recocity (Lathes & Presses)
ENVILO CIRCULAR BAY LIGHT

Aesthetically designed robust LED high bay equipped with specially designed heat sinks and reliable integrated energy efficient driver to meet the different requirements across indoor applications.

<table>
<thead>
<tr>
<th></th>
<th>80W</th>
<th>100W</th>
<th>125W</th>
</tr>
</thead>
<tbody>
<tr>
<td>9700K</td>
<td>PSMW11X08</td>
<td>PSMW12X08</td>
<td>PSMW13X08</td>
</tr>
<tr>
<td>6500K</td>
<td>PSMW14X08</td>
<td>PSMW15X08</td>
<td>PSMW16X08</td>
</tr>
<tr>
<td>5000K</td>
<td>PSMW17X08</td>
<td>PSMW18X08</td>
<td>PSMW19X08</td>
</tr>
</tbody>
</table>

Compliance: (UL Listed, ETL Listed)

Product Specification
- Input Voltage: 400-500VAC 50/60Hz
- Operating voltage range: 140-277V
- High Performance electronic driver ensures Zero Harmonic
- High Surge Protection: 4kV
- Average Life: 150000-300000 hrs
- Optics: Lens for better light distribution
- No humming, LED & Driver noise
- Operating Temperature: -30°C to +45°C
- Dimmable option available (DAE)

Application areas
Typical installation for warehouses, sports halls, gymnasiums, Brownfield projects.

ENVILO CIRCULAR BAY LIGHT

Aesthetically designed robust LED high bay equipped with specially designed heat sinks and reliable integrated energy efficient driver to meet the different requirements across indoor applications.

<table>
<thead>
<tr>
<th></th>
<th>80W</th>
<th>100W</th>
<th>125W</th>
</tr>
</thead>
<tbody>
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</tr>
<tr>
<td>5000K</td>
<td>PSMW17X08</td>
<td>PSMW18X08</td>
<td>PSMW19X08</td>
</tr>
</tbody>
</table>

Compliance: (UL Listed, ETL Listed)

Product Specification
- Input Voltage: 400-500VAC 50/60Hz
- Operating voltage range: 140-277V
- High Performance electronic driver ensures Zero Harmonic
- High Surge Protection: 4kV
- Average Life: 150000-300000 hrs
- Optics: Lens for better light distribution
- No humming, LED & Driver noise
- Operating Temperature: -30°C to +45°C
- Dimmable option available (DAE)

Application areas
Typical installation for warehouses, sports halls, gymnasiums, Brownfield projects.
**Product Specification**

- **Product Name**: ENISO DOM Circular High Bay

- **Application areas**
  - Industrial & Commercial
  - Sports & Stadiums
  - Office & Retail
  - Outdoor & Tunnel

- **Product Features**
  - **High Efficiency**
  - **Long Life**
  - **Robust Construction**
  - **Energy Saving**
  - **Environmentally Friendly**

- **Technical Specifications**
  - **Power Options**: 92W, 122W, 156W, 180W
  - **Luminous Flux**: 12000 lm (92W), 16000 lm (122W), 20000 lm (156W), 24000 lm (180W)
  - **Color Temperature**: 6000K
  - **Color Rendering Index (CRI)**: 80
  - **Beam Angle**: 100°
  - **IP Rating**: 65

- **Technical Data**
  - **Input Voltage**: 220-240V, 50Hz
  - **Operating Voltage Range**: 180-265V
  - **Luminous Efficiency**: 111 lm/W
  - **Luminous Maintenance**: >80%
  - **Mounting Options**: Suspension or Rod
  - **Mounting Height**: 4-6m
  - **Lamp Life**: 50,000 hours
  - **Operating Temperature**: -20°C to +40°C
  - **Landscape**: Not available
  - **Ceiling Mount**: Available

- **Warranty**
  - **Warranty Period**: 5 years
## Product Specification

- **Input Voltage**: 220-240V, 50/60Hz
- **Operating Voltage Range**: 180-265V
- **High performance electronic driver ensures zero maintenance**
- **Potted driver is used for vibration proof performance**
- **High Surge Protection**: 450V
- **Average Life**: 70,000-80,000 hrs
- **Aluminium spun reflector for uniform distribution**
- **No flicker, UV & IR radiation**
- **Operating Temperature**: -20°C to +40°C
- **3000K & 4000K available on request**

### Lumen Data

<table>
<thead>
<tr>
<th>Power</th>
<th>Luminous Flux</th>
</tr>
</thead>
<tbody>
<tr>
<td>90W</td>
<td>3625lm</td>
</tr>
<tr>
<td>120W</td>
<td>4530lm</td>
</tr>
<tr>
<td>150W</td>
<td>5120lm</td>
</tr>
<tr>
<td>180W</td>
<td>5710lm</td>
</tr>
</tbody>
</table>

### CRI & Ra

<table>
<thead>
<tr>
<th>Color Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>5000K</td>
</tr>
<tr>
<td>4000K</td>
</tr>
</tbody>
</table>

### Application areas

- Manufactured for industrial & retail markets
- Suitable for new installations or replacement of conventional HID luminaires.
### ENVIso MOD

**Modular High Bay**

Automatically designed robust LED high bay light, an apex with explicitly designed heat sink and robust, high-quality, energy-efficient electronic driver to meet the diverse lighting requirements across industrial applications suitable for easy replacement of conventional HID lamps.

**Product Specification**

- **Input Voltage**: AC230V/400V/500V
- **Operating ambient range**: 0–36°C
- **High Performance PIR electronic driver ensures zero maintenance**
- **Rated driver is used for vibration proof performance**
- **High Surge Protection**: 30KV
- **Average Life**: >30,000 hrs
- **Optical Lens for better light distribution**
- **Fanless, quiet & Maintenance free**
- **Operating Temperature**: -20°C to +40°C
- **Multiple angle adjustment option in lamphouses**

**Application areas**

- Technical & Process Light
- Corridor & Hallway Lighting
- Warehouse Lighting

<table>
<thead>
<tr>
<th>Power (W)</th>
<th>Luminous Flux (lm)</th>
<th>Color Temperature (K)</th>
<th>CRI</th>
<th>Ra</th>
<th>PF</th>
</tr>
</thead>
<tbody>
<tr>
<td>150W</td>
<td>15000</td>
<td>5000</td>
<td>70</td>
<td>65</td>
<td>0.9</td>
</tr>
<tr>
<td>160W</td>
<td>16000</td>
<td>5000</td>
<td>70</td>
<td>65</td>
<td>0.9</td>
</tr>
</tbody>
</table>

**Dimensions (mm)**

- 305 x 305 x 245
- 305 x 305 x 245

**Lumen Maintenance**

- 90% at 50,000 hrs

**Warranty**

- 5 years

---

### ENVIso MOD

**Modular High Bay**

Automatically designed robust LED high bay light, an apex with explicitly designed heat sink and robust, high-quality, energy-efficient electronic driver to meet the diverse lighting requirements across industrial applications suitable for easy replacement of conventional HID lamps.

**Product Specification**

- **Input Voltage**: AC230V/400V/500V
- **Operating ambient range**: 0–36°C
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- **High Surge Protection**: 30KV
- **Average Life**: >30,000 hrs
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- **Fanless, quiet & Maintenance free**
- **Operating Temperature**: -20°C to +40°C
- **Multiple angle adjustment option in lamphouses**

**Application areas**

- Technical & Process Light
- Corridor & Hallway Lighting
- Warehouse Lighting

<table>
<thead>
<tr>
<th>Power (W)</th>
<th>Luminous Flux (lm)</th>
<th>Color Temperature (K)</th>
<th>CRI</th>
<th>Ra</th>
<th>PF</th>
</tr>
</thead>
<tbody>
<tr>
<td>150W</td>
<td>15000</td>
<td>5000</td>
<td>70</td>
<td>65</td>
<td>0.9</td>
</tr>
<tr>
<td>160W</td>
<td>16000</td>
<td>5000</td>
<td>70</td>
<td>65</td>
<td>0.9</td>
</tr>
</tbody>
</table>

**Dimensions (mm)**

- 305 x 305 x 245
- 305 x 305 x 245

**Lumen Maintenance**

- 90% at 50,000 hrs

**Warranty**

- 5 years
**MBUE CLEANROOM BOTTOM OPENING**

**Product Specification**
- **Input Voltage**: 120V/240V, 50/60Hz
- **Operating voltage range**: 110-260V
- **High Performance electronic driver with 5-year warranty**
- **High Surge Protection**: 22kV
- **Average Life >100,000 hours**
- **High transmittance PMMA diffuser for glare-free symmetric light distribution**
- **No hassles UV & IR emissions**
- **Operating Temperature**: -20°C to +40°C

**Application areas**
- Pharmaceutical
- Medical Equipment
- Semiconductor
- Electronics

**MBUE CLEANROOM TOP OPENING**

**Product Specification**
- **Input Voltage**: 120V/240V, 50/60Hz
- **Operating voltage range**: 110-260V
- **High Performance electronic driver with 5-year warranty**
- **High Surge Protection**: 22kV
- **Average Life >100,000 hours**
- **High transmittance PMMA diffuser for glare-free symmetric light distribution**
- **No hassles UV & IR emissions**
- **Operating Temperature**: -20°C to +40°C

**Application areas**
- Pharmaceutical
- Medical Equipment
- Semiconductor
- Electronics
**HARROW INDOOR BATTEN - IP20**

**Product Specification**
- Input Voltage: 230VAC (50Hz/60Hz)
- Operating voltage range: 190-260V
- High Performance electronic driver ensures Zero Maintenance
- High Surge Protection: 4kV
- Average Life: 50000 hours
- Optics: PC Diffuser for better light distribution
- No ballast: LV & MV
- Operating Temperature: -15°C to +45°C

**Application Areas**
- Temporary & permanent Outdoor applications
- Specially designed for Outdoor applications

**TRUSS INDOOR BATTEN - IP65**

**Product Specification**
- Input Voltage: 220VAC (50Hz/60Hz)
- Operating voltage range: 190-260V
- High Performance electronic driver ensures Zero Maintenance
- High Surge Protection: 4kV
- Average Life: 50000 hours
- Optics: PC Diffuser for better light distribution
- No ballast: LV & MV
- Operating Temperature: -15°C to +45°C
- Loop in (loop out is required)
- Screwless technology

**Application Areas**
- Temporary & permanent Outdoor applications
- Specially designed for Outdoor applications
**Product Specification**

- **Input Voltage:** AC100V-240V, 50/60Hz
- **Operating Voltage Range:** 140-277V
- **High Performance Electronic Driver ensures Zero Harmonics**
- **High Surge Protection:** 6kV
- **Average Life (75000):** 50000 hrs
- **Optics:** PC Diffuser for better light distribution
- **No Harmful UV & IR radiation**
- **Operating Temperature:** -10°C to +40°C

**Application Areas**

- General Purpose HVPS Replacing Fixtures
- Gas Station
- Industrial and Commercial Power Plants

---

### MERLIN WELL GLASS

<table>
<thead>
<tr>
<th></th>
<th>24W</th>
<th>35W</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST65K</td>
<td>PWDM3533B 3400lm</td>
<td>PWDM3535B 3590lm</td>
</tr>
<tr>
<td>ST85K (W40/85/90)</td>
<td>PWDM3534B 3400lm</td>
<td>PWDM3536B 3590lm</td>
</tr>
</tbody>
</table>

- **Operating Voltage:** 140-277V
- **Luminous Efficacy:** 125 x 140 x 140
- **Luminous Range:** 155 x 155 x 140

- **Dimensions:** L x W x H mm
  - 210 x 210 x 210
  - 230 x 230 x 230

---

**Product Specification**

- **Input Voltage:** AC100V-240V, 50/60Hz
- **Operating Voltage Range:** 140-277V
- **High Performance electronic driver ensures Zero Harmonics**
- **High Surge Protection:** 6kV
- **Average Life (75000):** 50000 hrs
- **Optics:** PC Diffuser for better light distribution
- **No Harmful UV & IR radiation**
- **Operating Temperature:** -10°C to +40°C

**Application Areas**

- General Purpose HVPS Replacing Fixtures
- Gas Station
- Industrial and Commercial Power Plants

---

**Product Specification**

- **Input Voltage:** AC100V-240V, 50/60Hz
- **Operating Voltage Range:** 140-277V
- **High Performance electronic driver ensures Zero Harmonics**
- **High Surge Protection:** 6kV
- **Average Life (75000):** 50000 hrs
- **Optics:** PC Diffuser for better light distribution
- **No Harmful UV & IR radiation**
- **Operating Temperature:** -10°C to +40°C
- **Loop in Loop out for on demand**
**CANO UNDER CANOPY**

LED Under Canopy luminaire aesthetically designed with better thermal management, housing made of PC, and frame with toughened glass. This LED luminaire is designed to replace conventional under canopy applications. It is also recommended for industrial applications.

**Application areas**
- Office & Factory, Stair Luminaires
- Under Canopy, Garage Lighting Systems

**Product Specification**
- Input Voltage: AC220-240V, 50Hz
- Operating voltage range: 140-270V
- High performance electronic driver ensures Zero Maintenance
- High Surge Protection: 6kV
- Average Life: 75000 - 80000 hrs
- Optics: Lens for superior performance
- Toughened glass with silicon gaskets for UV Protection
- No harmful UV & IR radiations
- Operating Temperature: -25°C to +45°C

**Application areas**
- Lamps, Fixtures, Philips, Elighting Systems

---

**ELIPTO BULK HEAD**

Ceiling and Wall mount LED bulk head serves as an excellent energy office and alternative to CFL/ Incandescent bulbous luminaires.

**Product Specification**
- Input Voltage: AC220-240V, 50Hz
- Operating voltage range: 140-270V
- High performance electronic driver ensures Zero Maintenance
- High Surge Protection: 6kV
- Average Life: 75000 - 80000 hrs
- Optics: PC baffle for better light distribution
- No harmful UV & IR radiations
- Operating Temperature: -25°C to +45°C

**Application areas**
- Lamps, Fixtures, Philips, Elighting Systems

---

**PHAGH1000H**

**10W**

**PHAGH2107**

**6500K**

**Product Specification**
- Input Voltage: AC220-240V, 50Hz
- Operating voltage range: 140-270V
- High performance electronic driver ensures Zero Maintenance
- High Surge Protection: 6kV
- Average Life: 75000 - 80000 hrs
- Optics: PC baffle for better light distribution
- No harmful UV & IR radiations
- Operating Temperature: -25°C to +45°C

**Application areas**
- Lamps, Fixtures, Philips, Elighting Systems
**BLOOM STREET LIGHT**

LED Street Light with innovative, aesthetic & robust design with aluminum heat sink & toughened glass IP66

**Product Specification**

- Input Voltage: AC230V~240V, 1000Watts
- Operating voltage range: 140-270V
- High performance electronic driver ensures zero maintenance
- High Surge Protection: 6kV
- Average life: L90@10KR, 50,300 hrs
- Optics: OME, light for better light distribution
- No harm by UV & IR radiations
- Operating temperature: -30°C to +40°C
- Separate LED & Driver compartment for easy maintenance
- Urban SPF optional

**Application areas**

- Fundamental Energy Lighting
- Floodlight
- Residential
- Commercial

![Line Diagram](image)

![120W & 150W](image)

**Dimensions (mm)**

- 120W: 200 x 120 x 150
- 150W: 240 x 120 x 150
- 180W: 280 x 280 x 150

**Certifiﬁcation (Enviroment)**

- NA
- NA
- NA

---

**BLOOM STREET LIGHT**

LED Street Light with innovative, aesthetic & robust design with aluminum heat sink & toughened glass IP66

**Product Specification**

- Input Voltage: AC230V~240V, 1000Watts
- Operating voltage range: 140-270V
- High performance electronic driver ensures zero maintenance
- High Surge Protection: 6kV
- Average life: L90@10KR, 50,300 hrs
- Optics: OME, light for better light distribution
- No harm by UV & IR radiations
- Operating temperature: -30°C to +40°C
- Separate LED & Driver compartment for easy maintenance
- Urban SPF optional

**Application areas**

- Fundamental Energy Lighting
- Floodlight
- Residential
- Commercial

![Line Diagram](image)

![260W, 220W & 250W](image)

**Dimensions (mm)**

- 260W: 260 x 260 x 260
- 220W: 220 x 220 x 220
- 250W: 250 x 250 x 250

**Certifiﬁcation (Enviroment)**

- NA
- NA
- NA
Product Specification
- Input Voltage: AC200V-240V, 50/60Hz
- Operating voltage range: 140-270V
- High performance electronic driver ensures zero maintenance
- High Surge Protection: 4kV
- Average life: L70B5: 50,000 hrs
- IP66 modular type plate
- No harm UV & IR radiation
- Operating temperature: -15°C to +40°C

Application areas
- Signage
- Billboards
- Outdoors
- Perimeter Lighting
### Product Specification

- **Input Voltage:** AC 100V~240V, 1500VA
- **Operating altitude range:** 0~1500m
- **High performance electronic driver ensures zero maintenance.**
- **High Surge Protection:** 4kV
- **Average life:** L80B50 30,000 hrs
- **IP66A modular base plate**
- **No harmful UV & IR radiation.**
- **Operating temperature:** -20°C to +40°C

### Application areas

- Signage
- Advertising
- Industrial Lighting
- Stadium
- Outdoor Lighting

### FLANO Flood Light

Asymmetrically-angled design LED Flood light. High efficiency equipped with a specially designed heat sink, reliable integrated constant current drive, suitable for easy replacement of conventional flood lights.

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Current (W)</th>
<th>Luminous Flux (lm)</th>
<th>Color Temperature (K)</th>
<th>Efficacy (lm/W)</th>
<th>Ra Index</th>
<th>Candela Beam</th>
</tr>
</thead>
<tbody>
<tr>
<td>120W</td>
<td>120000</td>
<td>10000</td>
<td>5000</td>
<td>0.07</td>
<td>0.07</td>
<td>N/A</td>
</tr>
<tr>
<td>150W</td>
<td>150000</td>
<td>10000</td>
<td>5000</td>
<td>0.07</td>
<td>0.07</td>
<td>N/A</td>
</tr>
<tr>
<td>180W</td>
<td>180000</td>
<td>10000</td>
<td>5000</td>
<td>0.07</td>
<td>0.07</td>
<td>N/A</td>
</tr>
<tr>
<td>200W</td>
<td>200000</td>
<td>10000</td>
<td>5000</td>
<td>0.07</td>
<td>0.07</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Diagrams

- 120W Diagram
- 150W Diagram
- 180W Diagram
- 200W Diagram
**FLANO**

FLOOD LIGHT

Aesthetically sleek designed LED Flood light surface mountable with specially designed heat sink, reliable integrated surge protection electronic driver, available for easy replacement of conventional flood lights.

**Application areas**
- Equipments: indoor & outdoor, public & commercial
- Shopfronts: Exterior & Interior lighting, Residential lighting

**Product Specification**
- Input Voltage: 90-260VAC, 50/60Hz
- Operating voltage range: 140-270V
- High performance electronic driver ensures zero maintenance
- High Surge Protection: 5kV
- Average Life: L10B: 50,000 hrs
- IP66 rated
- Temperatures: -40°C to +40°C
- No harmful UV & IR emissions
- Operating temperature: +30°C to +40°C

<table>
<thead>
<tr>
<th>Power</th>
<th>120W</th>
<th>150W</th>
<th>180W</th>
<th>200W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>1000mA</td>
<td>1000mA</td>
<td>1800mA</td>
<td>2000mA</td>
</tr>
<tr>
<td>Efficiency</td>
<td>70%</td>
<td>66%</td>
<td>66%</td>
<td>66%</td>
</tr>
<tr>
<td>Lumens</td>
<td>374 x 500 x 60</td>
<td>335 x 300 x 60</td>
<td>384 x 383 x 65</td>
<td>386 x 383 x 65</td>
</tr>
<tr>
<td>Current</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Volts</td>
<td>220V</td>
<td>220V</td>
<td>220V</td>
<td>220V</td>
</tr>
<tr>
<td>Weight</td>
<td>5.1 kg</td>
<td>5.1 kg</td>
<td>5.1 kg</td>
<td>5.1 kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td>374 x 500 x 60</td>
<td>335 x 300 x 60</td>
<td>384 x 383 x 65</td>
<td>386 x 383 x 65</td>
</tr>
</tbody>
</table>
## FLANO Flood Light

**Asymmetrically designed LED Flood Light**
- Constantly maintained with specially designed heat sink, reliable integrated energy efficient electronic driver, suitable for easy replacement of conventional flood light.

### Application Areas
- Specified for mining & non-mining XLS scenarios
- Stepless dimming & Programmable timing
- Junction box lighting

### Product Specification
- **Input Voltage:** AC300-500V, 50/60Hz
- **Operating Voltage Range:** 140-370V
- **High performance electronic driver ensures zero maintenance.**
- **High Surge Protection:** 6kV
- **Average Lifespan:** 100,500 hrs
- **IP65 rated modular lamp plate**
- **No harmonic, UV & IR emissions**
- **Operating temperature:** -30°C to +40°C

<table>
<thead>
<tr>
<th>Wattage</th>
<th>240W</th>
<th>300W</th>
<th>355W</th>
<th>400W</th>
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</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>PFLM102WB</td>
<td>PFLM105WB</td>
<td>PFLM102WB</td>
<td>PFLM105WB</td>
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<tr>
<td>2400lm</td>
<td>2600lm</td>
<td>2800lm</td>
<td>2900lm</td>
<td>3000lm</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>408 x 375 x 94</td>
<td>419 x 426 x 97</td>
<td>549 x 543 x 111</td>
<td>589 x 540 x 111</td>
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<tr>
<td>Enclosure Type</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Diagrams
- 240W
- 300W
- 355W
- 400W

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*Panasonic*
**POME SPike Light**

Stylish, robust, reliable spike Light. Robust light with aluminium housing offers uniform light distribution with P15 Projectors suitable to provide accent lighting for variety of applications.

**Product Specification**
- Input voltage: AC230V-240V, 50/60Hz
- Operating voltage range: 85-265V
- IP67
- Surge Protection: 2kV
- Average Life: 35000 hrs
- RoHS Compliant: Yes
- Optics: PMMA
- Wet Driver

**Application areas**
- Garden and Walkway Furniture area

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**MOOR Step Light**

Robust and reliable LED step Light with aluminium housing offering uniform light distribution, high durability and IP67 Protection.

**Product Specification**
- Input voltage: AC230V-240V, 50/60Hz
- Operating voltage range: 85-265V
- IP67
- Surge Protection: 2kV
- Average Life: 35000 hrs
- RoHS Compliant: Yes
- Optics: PMMA
- Wet Driver

**Application areas**
- Pathway, Balcony area
COVET
UP DOWN SQUARE

Surface mounted decorative LED up down light with aluminium housing. IP65 protection suitable for walk-in shower application.

Product Specification
- Peak Voltage: AC200-240V, 50/60Hz
- Operating voltage range: 80-220V
- IP65
- Aluminised Glass - 2,04
- Average life: Lx9500, 50,000 hrs
- Confirmed to BC Safety Standard IEC60598, KDA 347
- Optics: PMMA
- With Driver

Application areas
- Bathrooms, Bathrooms, Bathrooms

COVET
UP DOWN CIRCULAR

Surface mounted decorative LED up down light with aluminium housing. IP65 protection suitable for walk-in shower application.

Product Specification
- Peak Voltage: AC200-240V, 50/60Hz
- Operating voltage range: 80-220V
- IP65
- Aluminised Glass - 2,04
- Average life: Lx9500, 50,000 hrs
- Confirmed to BC Safety Standard IEC60598, KDA 347
- Optics: PMMA
- With Driver

Application areas
- Bathrooms, Bathrooms, Bathrooms
**GRAZE**

**IN-GROUND LIGHT**

Stylish, robust & reliable in-ground light with decorative housing offers ultra-bright light distribution with P165 protection.

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**Product Specification**

- **Rated Voltage**: AC230V-240V 50/60Hz
- **Operating voltage range**: 180-260V
- **IP**: 67
- **Sign Surge Protection**: 60V
- **Average Lifespan**: 30,000 hrs
- **Confirmed to QC Safety Standard IEC60598, KC3447**
- **Optics**: PMMA
- **With Driver**

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**Application areas**

Building, Exterior, Pathways, Landscapes etc.