

Panasonic



PROFESSIONAL LED LIGHTING CATALOGUE 2025

Panasonic

BRIGHTENING TODAY. POWERING THE FUTURE.

HOLISTIC WELLBEING FOR PEOPLE, SOCIETY, AND THE PLANET.

At Panasonic, we believe lighting is not just about visibility — it's about experiencing life better in every moment, every space. Whether you're working in an office, playing at stadium, walking through an airport, relaxing at home, or driving productivity in a factory or warehouse. Our lighting solutions are designed to enhance every environment and enrich every experience.

Lighting is a key pillar of spatial wellbeing, which forms an integral part of our commitment to holistic wellness encompassing nutritional, outer, social, environmental, and spatial wellbeing. As the world evolves, so do the needs of people and spaces. Panasonic Lighting responds with innovation that supports clarity, comfort, efficiency and emotion tailored to diverse applications across life and work.

With a deep focus on sustainability, human-centric design, and technological advancement, Panasonic Lighting is not just shaping better environments 'we are lighting the path to a more balanced and connected world.'

Panasonic Lighting – Illuminating every space, enriching every tomorrow.



GELORA BUNG KARNO STADIUM INDONESIA



Global stadium
610 LED floodlights
Increased brightness
Longer lifetime compared to the
previously installed fixtures

JAKARTA INTERNATIONAL STADIUM INDONESIA



The largest multi-functional stadium with
a retractable roof in Indonesia
340 Stadium floodlights, 30,000 pixel
lights, 1,780 exterior and facade lights
LED floodlights can light-up stadiums
brilliantly, enhancing dramatic moments
with vivid lighting effects while also
saving energy

PANASONIC XC KADOMA
OSAKA. JAPAN



One of the model for "New Normal" workplace, emphasizing employee well-being

Over 3,500 nos of lighting fixture (Spot light/Linear light/Down light etc)

Optimizing brightness and color temperature by dimming control with daylight sensor and timer controller, also contributing energy-saving

SKY TREE
TOKYO. JAPAN



One of the landmark of Tokyo (634 meters tall)

High-brightness LEDs enhance the visibility of the entire tower and also allow for full-color lighting effects

132 LED lighting fixtures for illumination displays

PILLARS OF EXCELLENCE

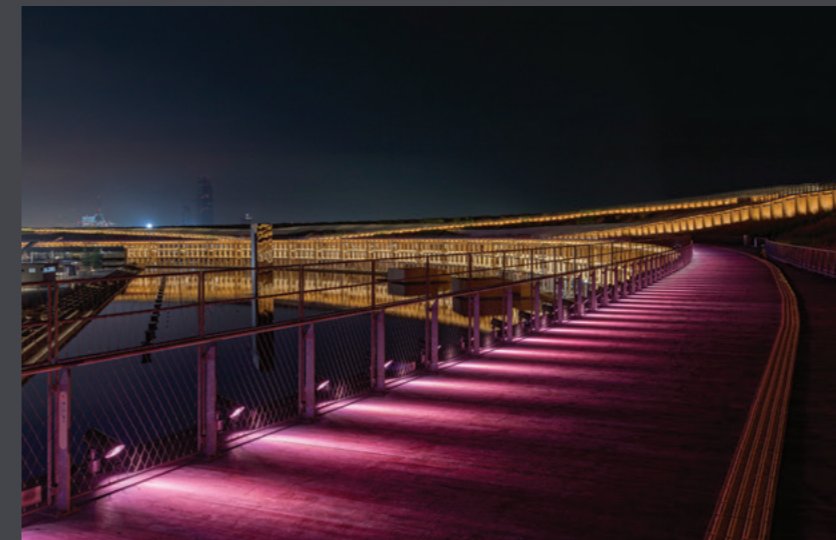
RUDRAKSH CONVENTION CENTRE VARANASI, UTTAR PRADESH, INDIA



Our versatile LED lighting range, including dimmable options, ensures stunning illumination for both indoor and outdoor spaces

108 LEDs illuminate the symbolic Rudrakshas, delivering an iconic and breathtaking visual experience after dark

EXPO 2025 OSAKA, KANSAI, JAPAN



An iconic centerpiece of the 2025 Japan National Exposition, this colossal wooden structure spans nearly 2km, blending architectural brilliance with cultural heritage

1,600 RGB spotlights spaced every 1.2 mtrs, turn the rooftop skywalk into a dynamic light show, changing with time and season

Smart network cameras and cloud-controlled lighting adjust brightness in real time, responding seamlessly to crowd movement and density

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COMMERCIAL LIGHTING

Light that moves with you



Panasonic Indoor LED lighting provides a clear advantage over conventional lighting solutions and can free up significant time and resources for building owners, facility managers, and other stakeholders by requiring less maintenance time and materials. LEDs also benefit occupants of the building by providing higher quality lighting, and they help to drive down a building or facility's overhead costs.



TROFFER LIGHTS

Panasonic LED 2X2 Base lighting provides several benefits over conventional fluorescent recessed 2x2 lighting applications. Commercial, industrial, warehouse, office, and retail lighting applications can all find significant benefits with LED 2x2 lighting applications.

Panasonic LED 2x2 fixtures provide significant performance improvements over fluorescent light fixtures. Panasonic 2x2 is available in a wide range of CCTs, which provides end-users the ability to select a specific aesthetic look of a given space. Another benefit is the ability of the fixtures to dim; you are now able to change the operating conditions and adapt to the usage needs of individual rooms or spaces quickly.



DOWN LIGHTS

Panasonic LED Downlights can be easily installed into a hollow space in the ceiling. They are brilliant energy-saving lighting solutions that are designed for a plethora of applications. Panasonic LED Downlights emit light in a downward direction with an accurate and narrow beam.

Recessed Downlights blend in with the ceiling, can be used with a decorative bezel to make a statement.

Surface Downlights are visible designs, can vary from simple to decorative to suit the architecture and design.

Pendant Downlights are chosen for aesthetic reasons to suit the surrounding design and vary greatly in style from modern and contemporary to traditional.

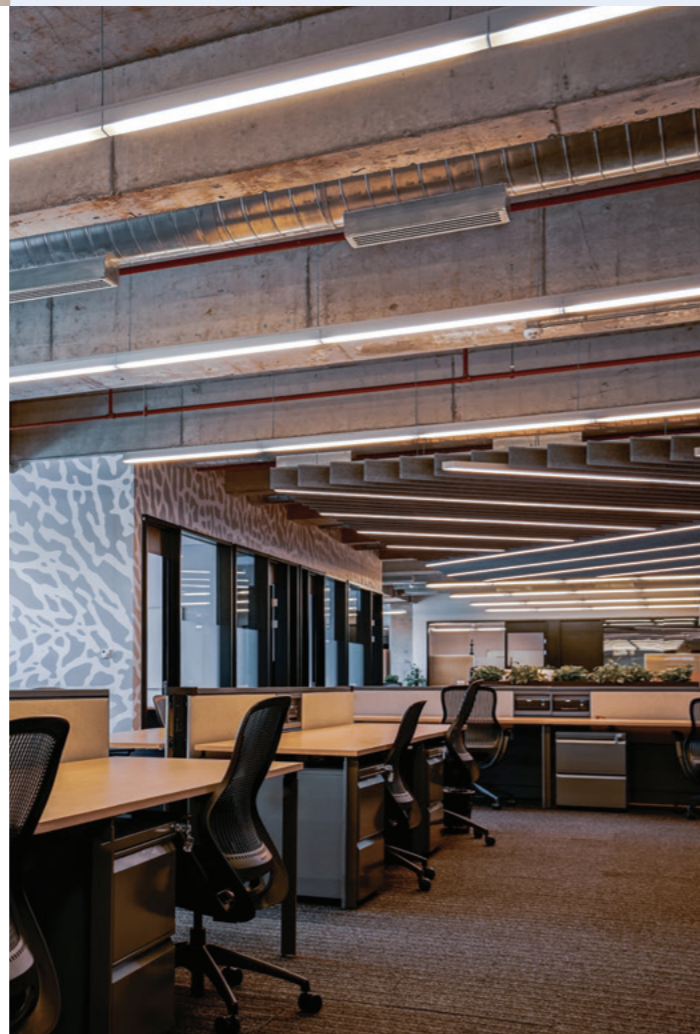
LINEAR LIGHTS

Panasonic Linear lighting can completely transform the feel of a space and features significantly in contemporary architecture. Linear lighting designs are not restricted to single luminaires. Many suspended, recessed and surface light products can be linked together to create modular lighting designs. From subtle to standout designs, whether bold or slim lines, modular linear lighting can be used to create schemes to suit any space.

Surface linear lights are the ideal choice for low & vaulted ceilings and effectively use to enhance architectural features.

Recess linear lights can be used to create clean, invisible lines or shapes of light that blend seamlessly into the ceiling and wall surfaces of a space to become a part of its fabric.

Suspended linear lights provide a clean, continuous, linear profile of light, creating a contemporary feel for a range of applications and enhances architectural interest or complement the chosen space.



TECHZONE LIGHTS

TechZone® Ceiling Systems are based on 4"-, 6"- or 12"-wide technical zones for everything from air diffusers to sound systems. The result: a clean, monolithic look using standard ceiling panels and suspension systems, and a layout that accepts Beam 3 LED and Beam 6 LED luminaires, ensuring integrated lighting design.



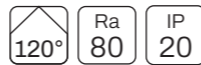
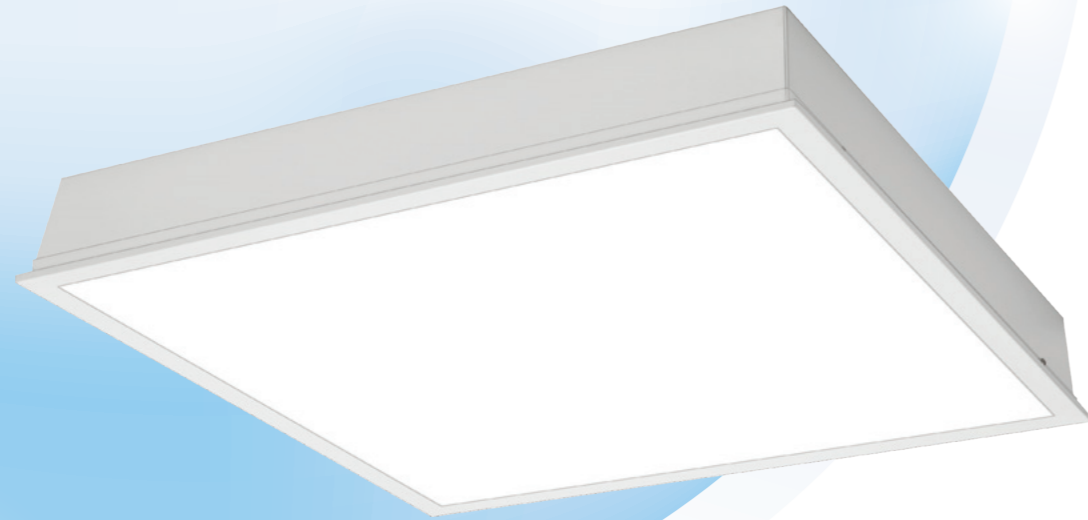
COMMERCIAL LIGHTING

HIGH SPEC BASELIGHT

SCANTO PLUS

20W/25W/30W/36W

Recess mounted LED luminaire equipped with CRCA powder coating housing, high transmittance diffuser for symmetric light distribution with non-integral energy efficient electronic driver.



High on Efficacy
20W & 25W - 130lm/W
30W & 36W - 120lm/W



Higher Energy Saving
Higher lumen package enables to meet the desired lux levels with reduced wattage



Wide Application
Wide lumen package selection suitable for retrofit, different installation height and optimisation of tile spacing in green field project



Safe & Reliable
Inbuilt Surge Protection: 3kV
THD≤10%, Class-I product



Non Integrated Isolated Driver
Protects the output /secondary side from any disturbance on the Input / Primary side ensuring safe operation



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

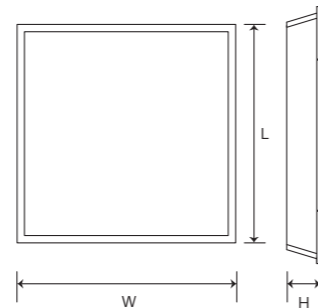


Operating Temperature
0°C to +45°C

APPLICATIONS

- Corporate Offices
- Banks
- Modern Workspaces
- Hospitals
- Software Centres

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PBLM21203	20W	595x595x70	≤ 10%	3000K
PBLM21204	20W	595x595x70	≤ 10%	4000K
PBLM21208	20W	595x595x70	≤ 10%	5700K
PBLM21253	25W	595x595x70	≤ 10%	3000K
PBLM21254	25W	595x595x70	≤ 10%	4000K
PBLM21257	25W	595x595x70	<10%	6500K
PBLM21258	25W	595x595x70	≤ 10%	5700K
PBLM21303	30W	595x595x70	≤ 10%	3000K
PBLM21304	30W	595x595x70	≤ 10%	4000K
PBLM21308	30W	595x595x70	≤ 10%	5700K
PBLM21363	36W	595x595x70	≤ 10%	3000K
PBLM21364	36W	595x595x70	≤ 10%	4000K
PBLM21368	36W	595x595x70	≤ 10%	5700K

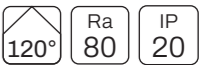
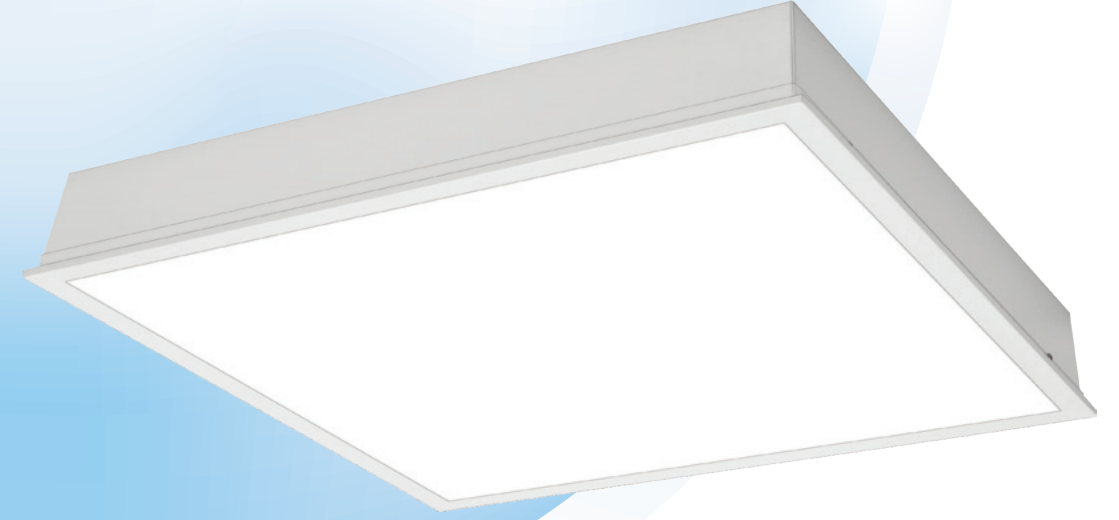
COMMERCIAL LIGHTING

UGR<19 BASELIGHT

SCANTO ADVANCE

30W

Recess mounted UGR < 19 LED luminaire equipped with CRCA powder coating housing with PS microprismatic diffuser for symmetric light distribution with non-integral energy efficient electronic driver.



High on Efficacy
110lm/W



Higher Energy Saving
Higher lumen package enables to meet the desired lux levels with reduced wattage



Wide Application
Wide lumen package selection suitable for retrofit, different installation height and optimisation of tile spacing in green field project



Safe & Reliable
Inbuilt Surge Protection: 3kV
THD≤10%, Class-I product



Non Integrated Isolated Driver
Protects the output /secondary side from any disturbance on the Input / Primary side ensuring safe operation



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

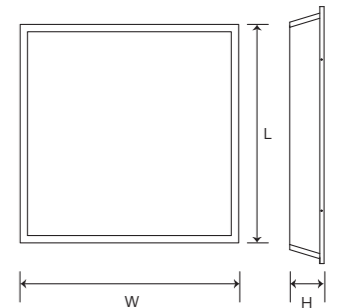


Operating Temperature
0°C to +45°C

APPLICATIONS

- Corporate Offices
- Banks
- Modern Workspaces
- Hospitals
- Software Centres

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PBLM23303	30W	595x595x70	≤ 10%	3000K
PBLM23304	30W	595x595x70	≤ 10%	4000K
PBLM23308	30W	595x595x70	≤ 10%	5700K

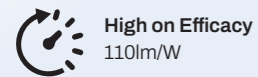
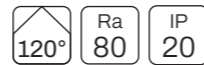
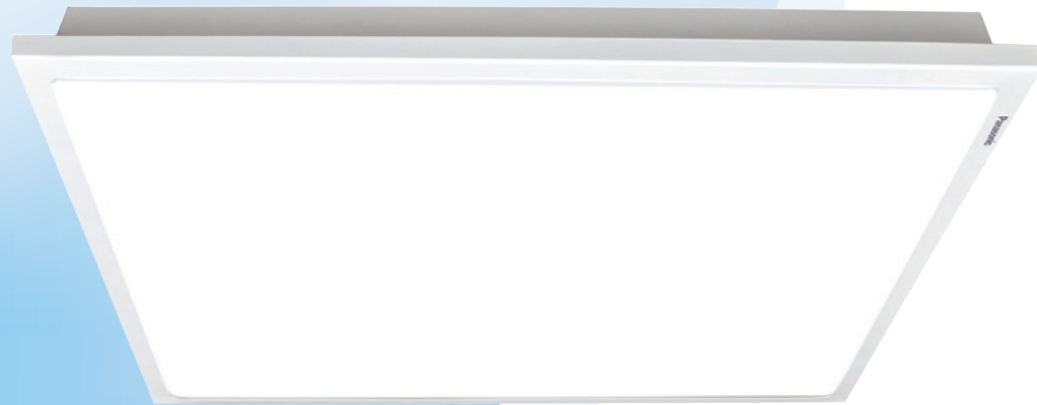
COMMERCIAL LIGHTING

UGR<16 BASELIGHT

SCANTO ADVANCE

30W/36W

Recess mounted UGR < 16 LED luminaire equipped with CRCA powder coating housing with PS microprismatic diffuser for symmetric light distribution with non-integral energy efficient electronic driver.



High on Efficacy
110lm/W



Higher Energy Saving
Higher lumen package enables to meet the desired lux levels with reduced wattage



Wide Application
Wide lumen package selection suitable for retrofit, different installation height and optimisation of tile spacing in green field project



Safe & Reliable
Inbuilt Surge Protection: 3kV
THD≤10%, Class-I product



Non Integrated Isolated Driver
Protects the output /secondary side from any disturbance on the Input / Primary side ensuring safe operation



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

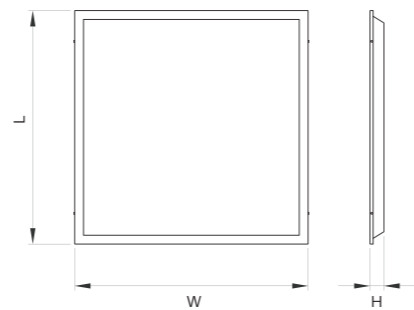


Operating Temperature
0°C to +45°C

APPLICATIONS

- Corporate Offices
- Banks
- Modern Workspaces
- Hospitals
- Software Centres

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PBLM24303	30W	595x595x35	≤ 10%	3000K
PBLM24304	30W	595x595x35	≤ 10%	4000K
PBLM24308	30W	595x595x35	≤ 10%	5700K
PBLM24363	36W	595x595x35	≤ 10%	3000K
PBLM24364	36W	595x595x35	≤ 10%	4000K
PBLM24368	36W	595x595x35	<10%	5700K



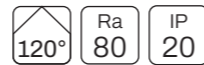
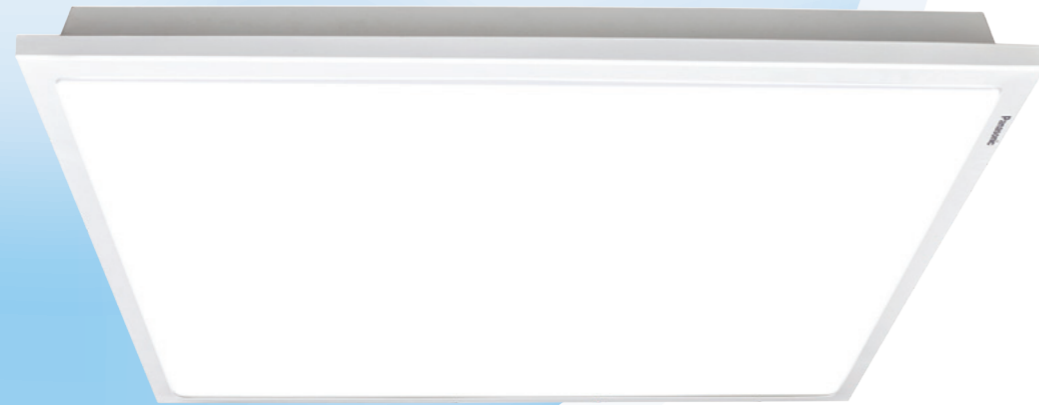
COMMERCIAL LIGHTING

HIGH DEPTH BASELIGHT

SCANTO

30W/36W

Recess mounted Low Depth LED luminaire equipped with CRCA powder coating housing, high transmittance diffuser for symmetric light distribution with non-integral energy efficient Isolated electronic driver.



High on Efficacy
Efficacy of 110lm/W

Low Depth
Suitable for ceiling wherein depth between True ceiling and False ceiling is constraint

Safe & Reliable
Inbuilt Surge Protection: 3kV
THD≤10%, Class-I product

Non Integrated Isolated Driver
Protects the output /secondary side from any disturbance on the Input / Primary side ensuring safe operation

Higher Life
Life: 50,000 BH @ L70B50

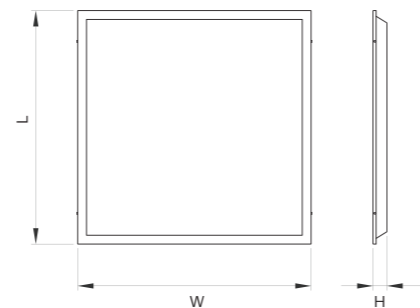
Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

Operating Temperature
0°C to +45°C

APPLICATIONS

- Corporate Offices
- Banks
- Modern Workspaces
- Hospitals
- Software Centres

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PBLM22303	30W	595x595x35	≤ 10%	3000K
PBLM22304	30W	595x595x35	≤ 10%	4000K
PBLM22308	30W	595x595x35	≤ 10%	5700K
PBLM22363	36W	595x595x35	≤ 10%	3000K
PBLM22364	36W	595x595x35	≤ 10%	4000K
PBLM22368	36W	595x595x35	≤ 10%	5700K

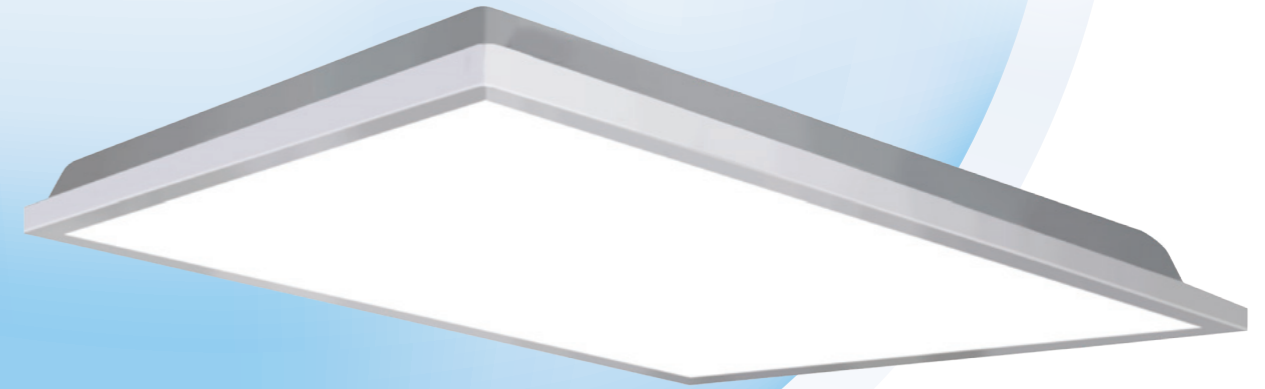
COMMERCIAL LIGHTING

LOW DEPTH BASELIGHT

SCANTO

36W

36W recessed-mounted 2x2 low-height base light featuring a CRCA powder coated housing and a PS diffuser.



High on Efficacy
110lm/W

Housing
CRCA Housing

Safe & Reliable
Inbuilt Surge Protection: 3kV
THD≤10%, Class-I product

Constant Current Non-Integral Electronic Driver

Higher Life
Life: 50,000 BH @ L70B50

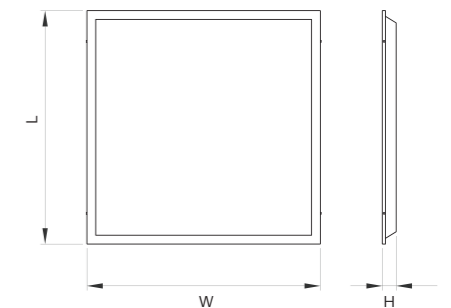
Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

Operating Temperature
0°C to +45°C

APPLICATIONS

- Corporate Offices
- Banks
- Modern Workspaces
- Hospitals
- Software Centres

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PBLM27364	36W	595x595x30	≤ 10%	4000K
PBLM27367	36W	595x595x30	≤ 10%	6500K
PBLM27368	36W	595x595x30	≤ 10%	5700K

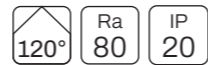
COMMERCIAL LIGHTING

2X2 BASELIGHT RECESSED BACKLIT

SCANTO

34W

Recess mounted Low Depth LED luminaire equipped with CRCA powder coating housing, high transmittance diffuser for symmetric light distribution with non-integral energy efficient Isolated electronic driver.



High on Efficacy
Efficacy of 140lm/W



Housing
CRCA Housing



Safe & Reliable
Inbuilt Surge Protection: 3kV, THD≤10%,
Power Factor: >0.90, Class-I product



Non Integrated Isolated Driver
Protects the output /secondary side
from any disturbance on the Input /
Primary side ensuring safe operation



Higher Life
Life: 50,000 BH @ L70B50



**Wide Operating Voltage /
Rated Voltage**
140-270V AC / 220-240V AC/50Hz

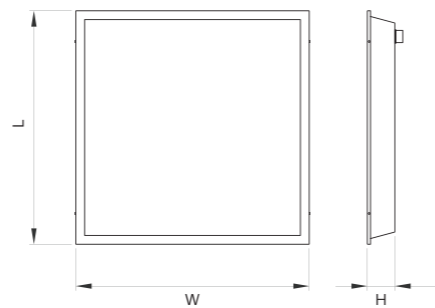


Operating Temperature
0°C to +45°C

APPLICATIONS

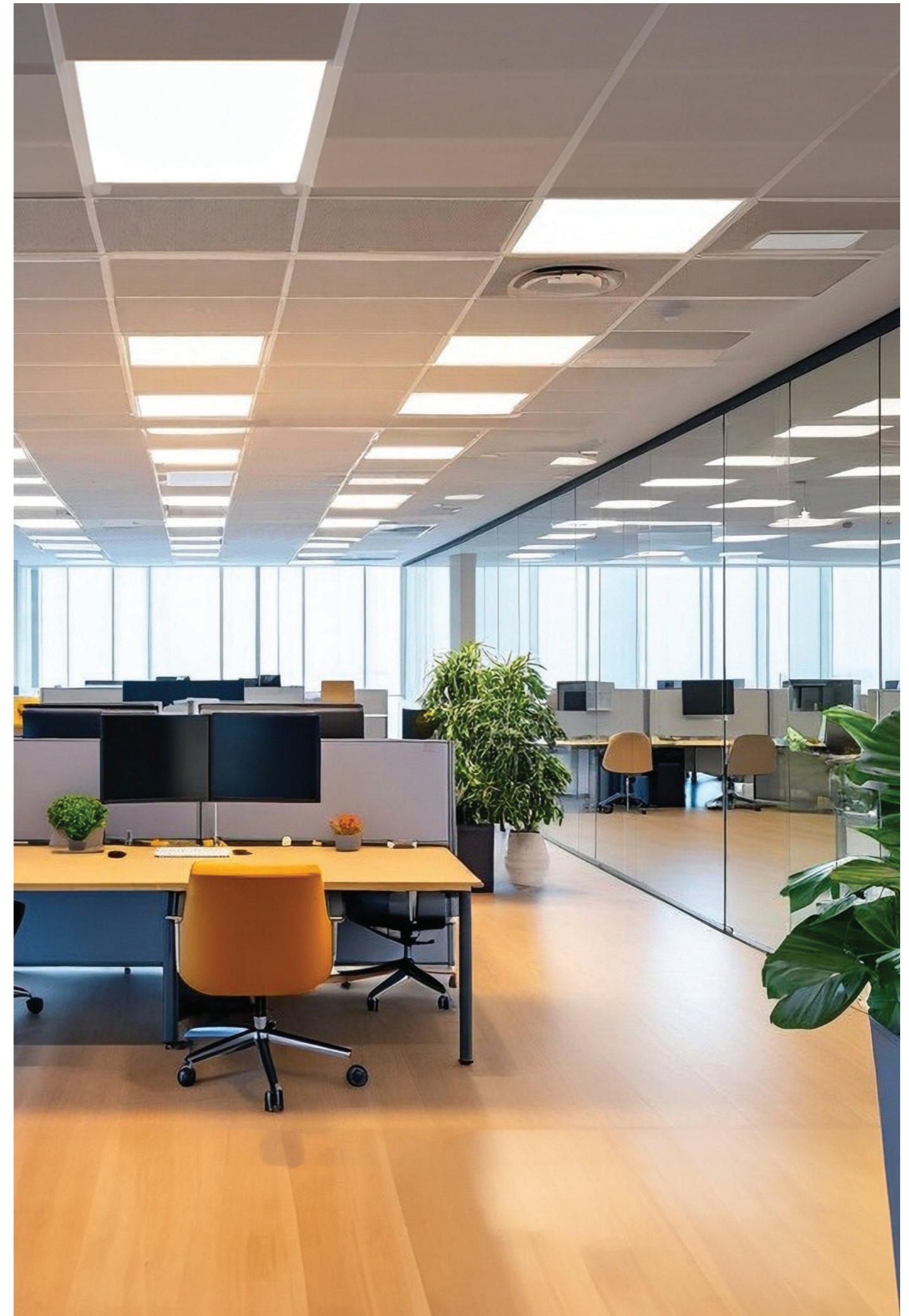
- Corporate Offices
- Banks
- Modern Workspaces
- Hospitals
- Software Centres

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PBLM22348A	34W	595x595x70	≤ 10%	5700K



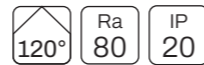
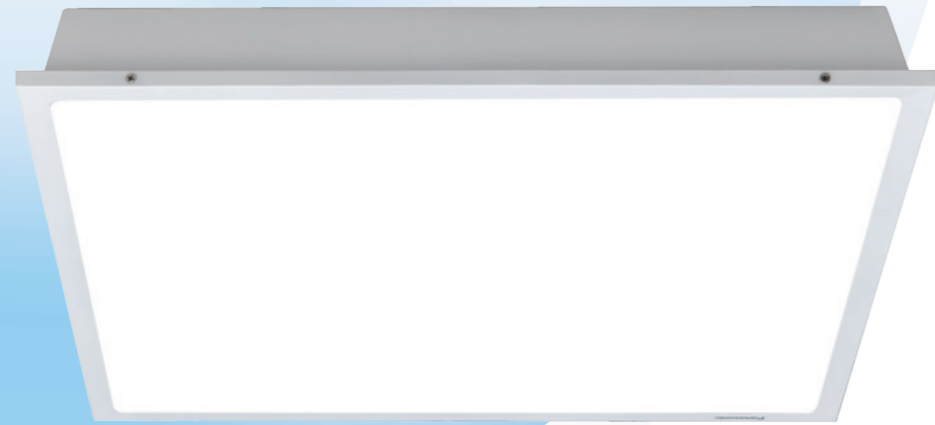
COMMERCIAL LIGHTING

2X2 BASELIGHT COLOUR TUNABLE

SCANTO

36W

The 36W CCT Tunable 2x2 Base Light, designed for recessed mounting, features a CRCA housing with PMMA diffuser and a 2-channel CCT tunable DALI driver for versatile lighting control.



High on Efficacy
Efficacy of 110lm/W

Housing
CRCA Housing

Safe & Reliable
Inbuilt Surge Protection: 2kV, THD≤10%, Class-I product, Power Factor: >0.90

High Performance Electronic Driver
Non-Integral, Isolated, 2 Channel CCT Tunable Dali Driver

Higher Life
Life: 50,000 BH @ L70B50

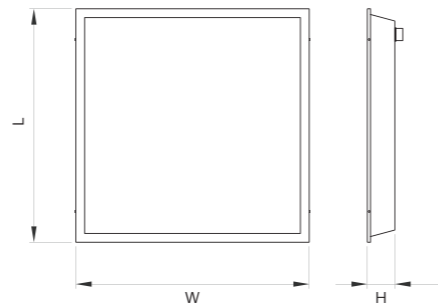
Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

Operating Temperature
0°C to +45°C

APPLICATIONS

- Corporate Offices
- Banks
- Modern Workspaces
- Hospitals
- Software Centres

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PBLM2236CT	36W	595x595x70	≤ 20%	Tunable White

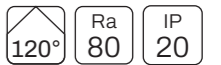
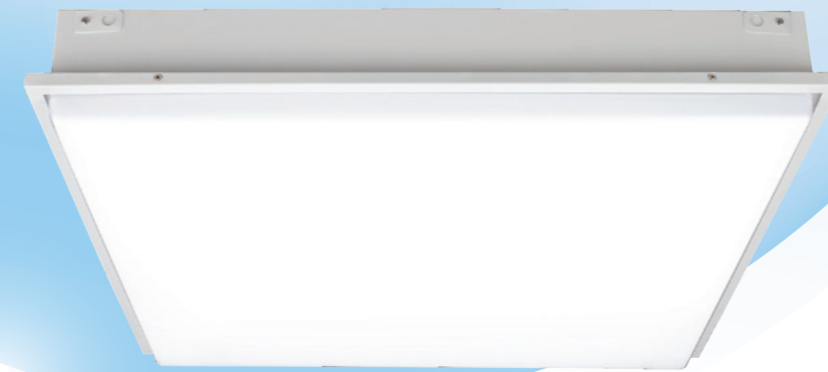
COMMERCIAL LIGHTING

DECO BASELIGHT

SCANTO PRO

36W

The Deco 2X2 36W recess mounted baselight comprises of CRCA housing with drop down diffuser.



LG7 Compliant

Square & Octagon Shape
Drop down diffuser

Safe & Reliable
Inbuilt Surge Protection: 2kV, THD≤10%, Class-I product

Non Integrated Isolated Driver
Protects the output /secondary side from any disturbance on the Input / Primary side ensuring safe operation

Higher Life
Life: 50,000 BH @ L70B50

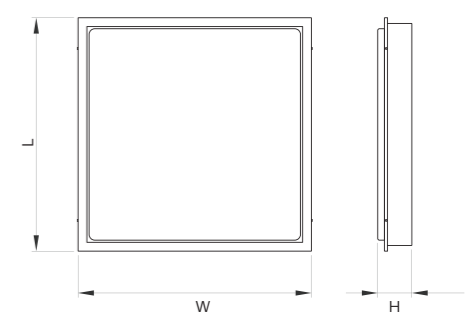
Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

Operating Temperature
0°C to +45°C

APPLICATIONS

- Corporate Offices
- Banks
- Modern Workspaces
- Hospitals
- Software Centres

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PBLM20363	36W	595x595x97	≤ 10%	3000K
PBLM20364	36W	595x595x97	≤ 10%	4000K
PBLM20368	36W	595x595x97	≤ 10%	5700K
PBLM19363	36W	595x595x97	≤ 10%	3000K
PBLM19363	36W	595x595x97	≤ 10%	4000K
PBLM19363	36W	595x595x97	≤ 10%	5700K

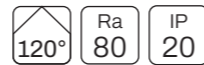
COMMERCIAL LIGHTING

LOW DEPTH BASELIGHT WITH CLIPS

SCANTO PLUS

30W/36W

Recess mounted low depth LED luminaire equipped with CRCA powder coating housing, with PS diffuser & spring clips for mounting in 12.-15mm thick pop & gypsum ceiling with non-integral energy efficient electronic driver.



High on Efficacy
Efficacy of 110lm/W



Low Depth
Suitable for ceiling wherein depth between true ceiling and false ceiling is constraint



Safe & Reliable
Inbuilt Surge Protection: 3kV
THD≤10%, Class-I product



Non Integrated Isolated Driver
Protects the output / secondary side from any disturbance on the Input / Primary side ensuring safe operation



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

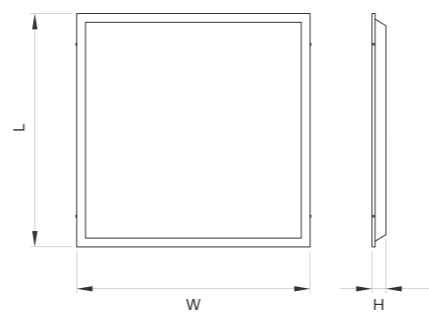


Operating Temperature
0°C to +45°C

APPLICATIONS

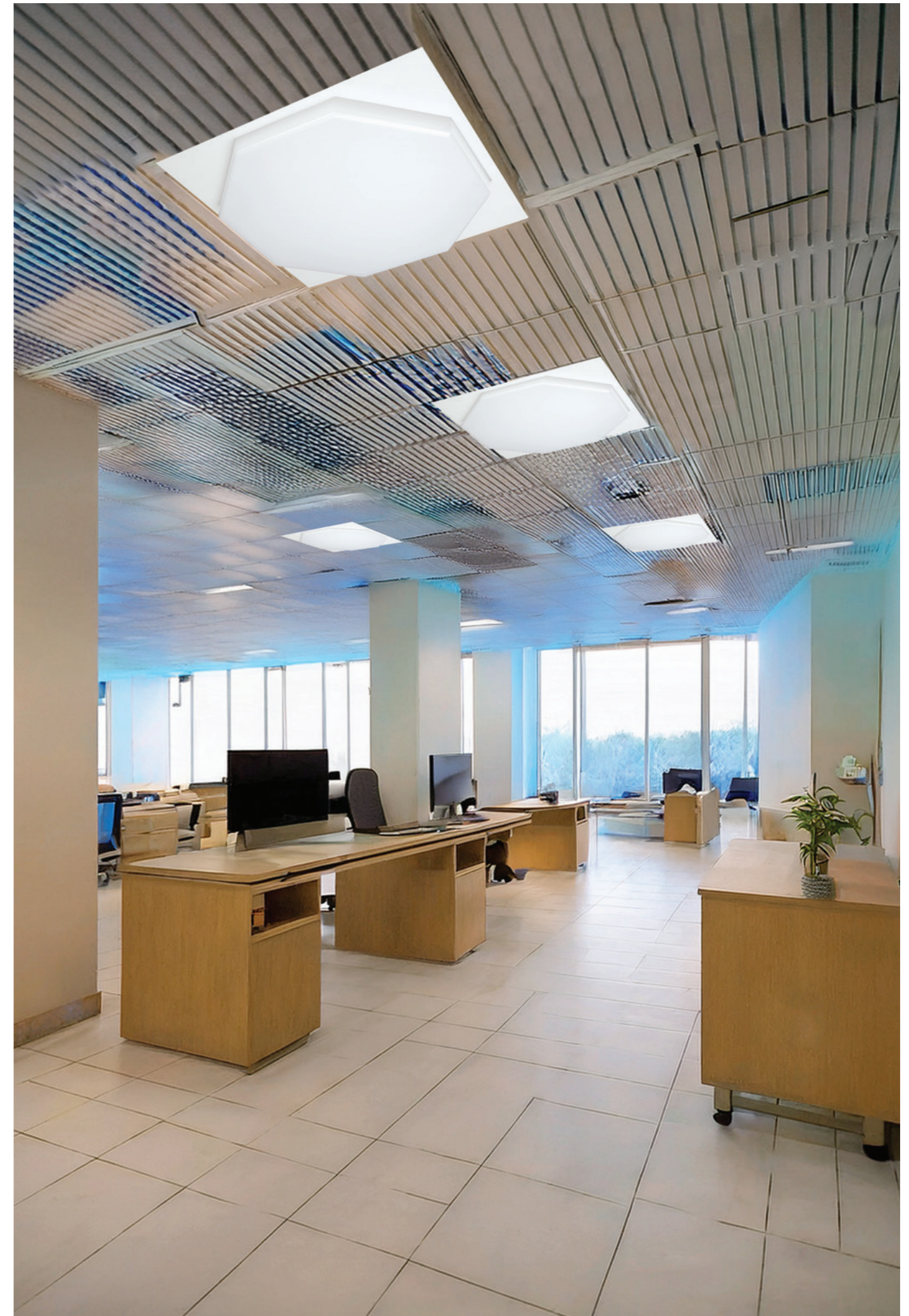
- Corporate Offices
- Banks
- Modern Workspaces
- Hospitals
- Software Centres

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PBLM22304C	30W	595x595x35	≤ 10%	3000K
PBLM22308C	30W	595x595x35	≤ 10%	5700K
PBLM22364C	36W	595x595x35	≤ 10%	4000K
PBLM22368C	36W	595x595x35	≤ 10%	5700K



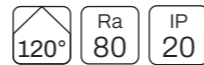
COMMERCIAL LIGHTING

1X4 BASELIGHT SURFACE

SCANTO S

36W

The 1x4 36W Surface mounted Base Light comprises of CRCA housing with PS Diffuser, providing efficient and uniform lighting.



High on Efficacy
Efficacy of 100lm/W



Housing
CRCA Housing



Safe & Reliable
Inbuilt Surge Protection: 2kV
THD≤10%, Power Factor: >0.90,
Class-I product



Constant Current Non-Integral Electronic Driver



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

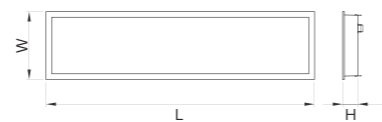


Operating Temperature
0°C to +45°C

APPLICATIONS

- Corporate Offices
- Banks
- Modern Workspaces
- Hospitals
- Software Centres

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PBLM15363	36W	1195x295x70	≤ 10%	3000K
PBLM15364	36W	1195x295x70	≤ 10%	4000K
PBLM15368	36W	1195x295x70	≤ 10%	5700K



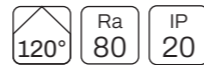
COMMERCIAL LIGHTING

1X4 BASELIGHT RECESS

SCANTO R

36W

The 1X4 36W Recess mounted Base Light comprises of CRCA housing with PS Diffuser, providing efficient and uniform lighting.



High on Efficacy
Efficacy of 100lm/W



Housing
CRCA Housing



Safe & Reliable
Inbuilt Surge Protection: 3kV
THD<10%, Power Factor: >0.90,
Class-I product



**Constant Current Non-Integral
Electronic Driver**



Higher Life
Life: 50,000 BH @ L70B50



**Wide Operating Voltage /
Rated Voltage**
140-270V AC / 220-240V AC/50Hz

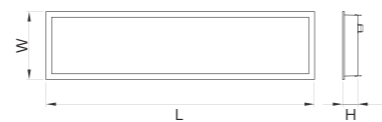


Operating Temperature
0°C to +45°C

APPLICATIONS

- Corporate Offices
- Banks
- Modern Workspaces
- Hospitals
- Software Centres

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PBLM16364R1	36W	1195x295x67	≤ 10%	4000K
PBLM16368R1	36W	1195x295x67	≤ 10%	5700K



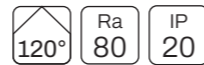
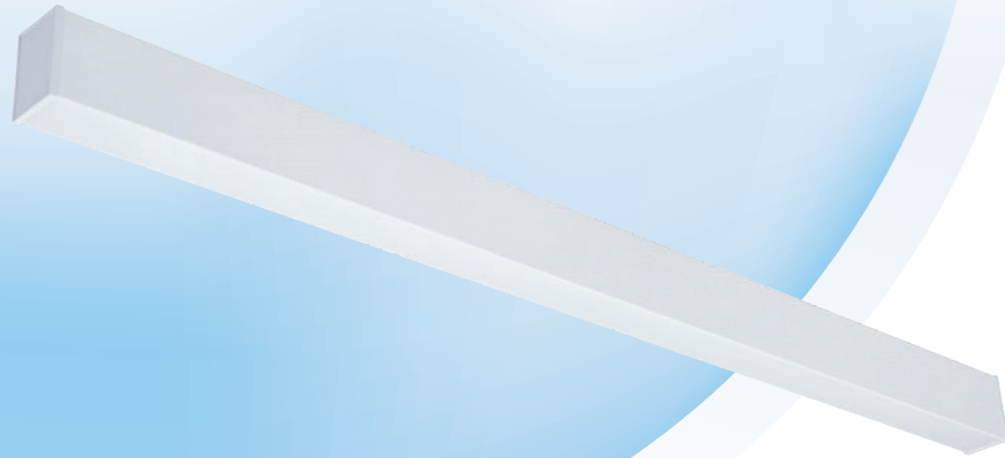
COMMERCIAL LIGHTING

SUSPENDED LINEAR LIGHT

SLENDO ADV

10W/14W/18W/28W/36W/56W

Slendo Plus ADV Suspended Linear light comprises of Aluminium Extrusion with PMMA sliding diffuser, PC end caps and clutch wire suspension kit for mounting arrangement with energy efficient Isolated electronic driver.



High on Efficacy
Efficacy of 110lm/W



Special Features

- Different wattages for standalone and continuous mounting versions
- Easy LILO arrangement using inbuilt male female connector



Safe & Reliable

Inbuilt Surge Protection: 3kV, THD<10%
Power Factor: >0.95, Class-I product



Constant Current Isolated Driver

Protects the output /secondary side from any disturbance on the Input / Primary side ensuring safe operation



Higher Life

Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage

140-270V AC / 220-240V AC/50Hz



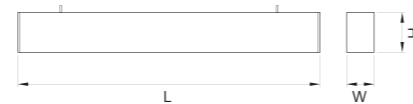
Operating Temperature

0°C to +45°C

APPLICATIONS

- Corporate Offices
- Banks
- Modern Workspaces
- Hospitals
- Software Centres

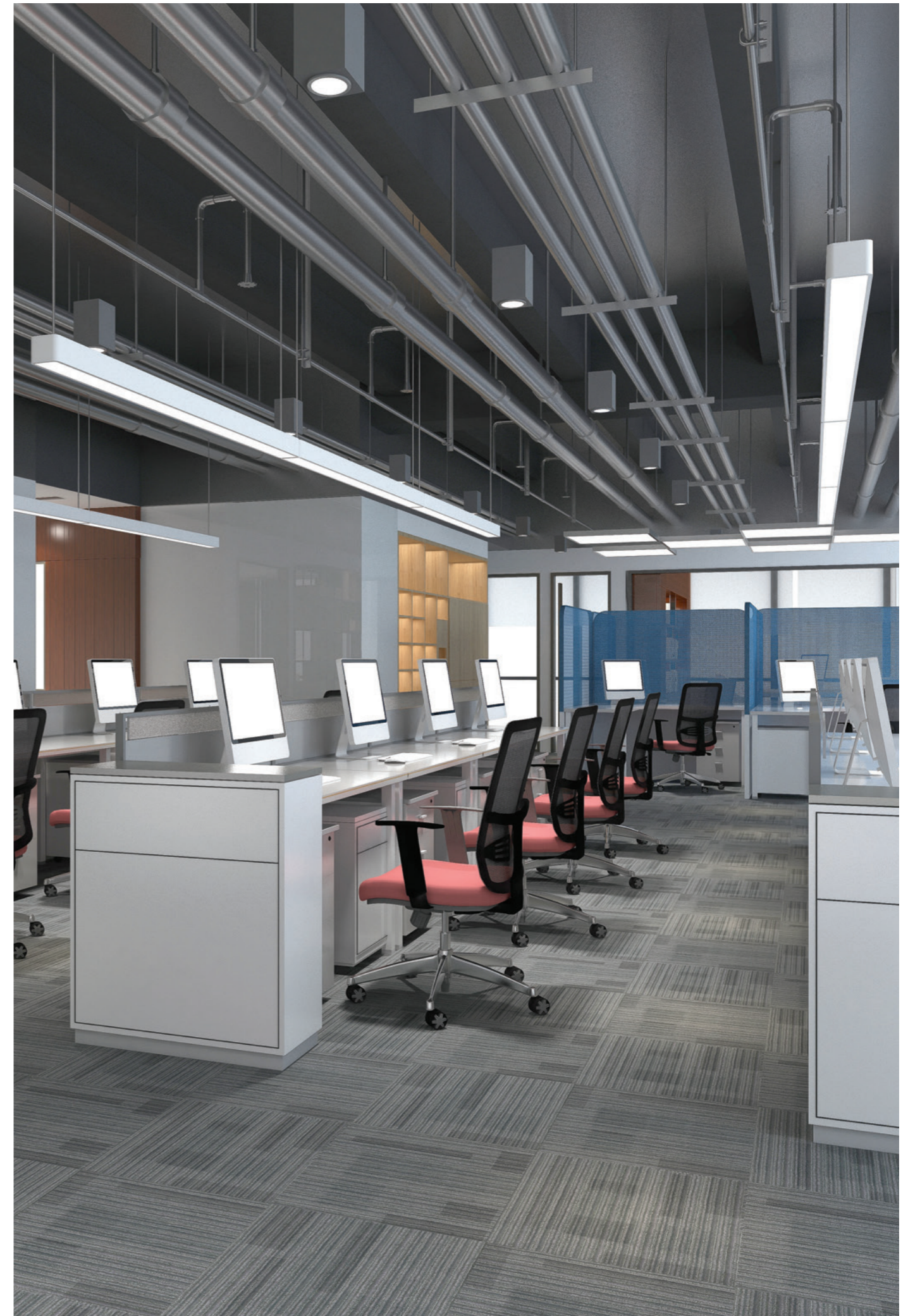
PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PLHM10144	14W	605x52x75	≤ 10%	4000K
PLHM10148	14W	605x52x75	≤ 10%	5700K
PLHM10284	28W	1200x52x75	≤ 10%	4000K
PLHM10288	28W	1200x52x75	≤ 10%	5700K
PLHM10564	56W	2385x52x75	≤ 10%	4000K
PLHM10568	56W	2385x52x75	≤ 10%	5700K
PLHM09104	10W#	605x52x75	≤ 10%	4000K
PLHM09108	10W#	605x52x75	≤ 10%	5700K
PLHM09184	18W#	1200x52x75	≤ 10%	4000K
PLHM09188	18W#	1200x52x75	≤ 10%	5700K
PLHM09364	36W#	2385x52x75	≤ 10%	4000K
PLHM09368	36W#	2385x52x75	≤ 10%	5700K

Continuous mounted version



COMMERCIAL LIGHTING

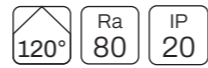
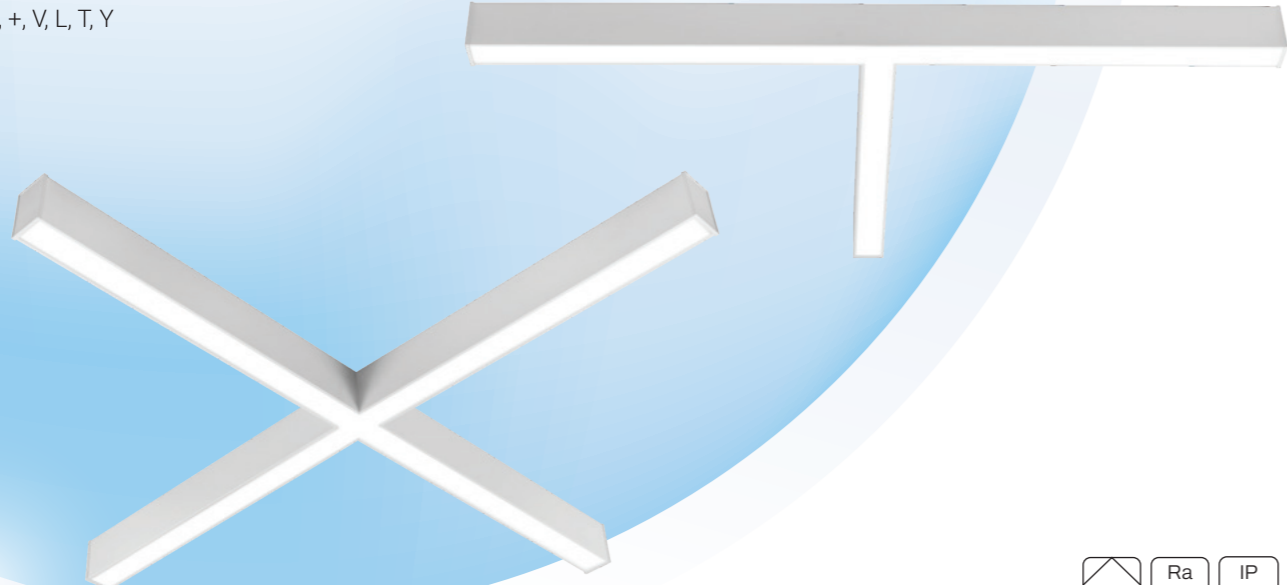
SUSPENDED LINEAR SHAPES

SLENDO FLEXIBLE

18W/28W/36W

Slendo Flexible Linear light comprises of Aluminium Extrusion with PMMA sliding diffuser, PC end caps and clutch wire suspension kit for mounting arrangement with energy efficient Isolated electronic driver.

X, +, V, L, T, Y



High on Efficacy
Efficacy of 100lm/W



Special Features
- Different wattages for standalone and continuous mounting versions
- Easy LILO arrangement using inbuilt male female connector



Safe & Reliable
Inbuilt Surge Protection: 3kV, THD<10%, Power Factor: >0.90, Class-I product



Constant Current Isolated Driver
Protects the output /secondary side from any disturbance on the Input / Primary side ensuring safe operation



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

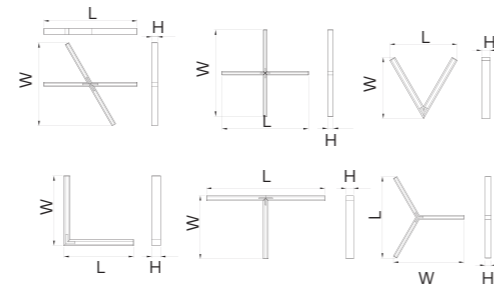


Operating Temperature
0°C to +45°C

APPLICATIONS

- Corporate Offices
- Banks
- Modern Workspaces
- Hospitals
- Software Centres

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PLHM13184 - L Shape	18W	600x52x75	≤ 10%	4000K
PLHM13188 - L Shape	18W	600x52x75	≤ 10%	5700K
PLHM14184 - V Shape	18W	602x52x75	≤ 10%	4000K
PLHM14188 - V Shape	18W	602x52x75	≤ 10%	5700K
PLHM15284 - T Shape	28W	594x52x75	≤ 10%	4000K
PLHM15288 - T Shape	28W	594x52x75	≤ 10%	5700K
PLHM16284 - Y Shape	28W	585x52x75	≤ 10%	4000K
PLHM16288 - Y Shape	28W	585x52x75	≤ 10%	5700K
PLHM11364 - X Shape	36W	600x52x75	≤ 10%	4000K
PLHM11368 - X Shape	36W	600x52x75	≤ 10%	5700K
PLHM12364 - + Shape	36W	605x52x75	≤ 10%	4000K
PLHM12368 - + Shape	36W	605x52x75	≤ 10%	5700K



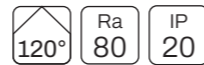
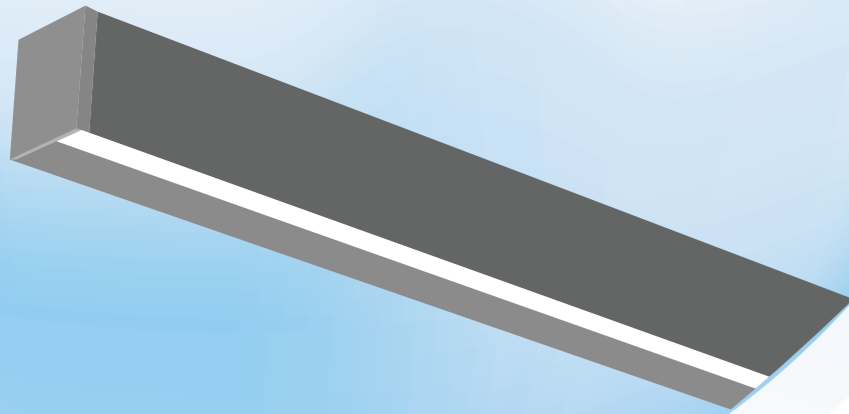
COMMERCIAL LIGHTING

DECO LINEAR - DEEP RECESSED

SLENDO MAX

28W/36W

Unique design with deep recessed diffuser to reduce strain on eye. The 28W down type & 36W up-down type deep recessed linear comprises of aluminium housing with clutchwise suspension kit for suspended mounting.



High on Efficacy

28W for direct & 36W for direct/indirect illumination
105lm/W Efficacy



Housing

Aluminium extrusion with white powder coating



Safe & Reliable

Inbuilt Surge Protection: 3kV, THD<10%, Power Factor: >0.95, Class-I product



Integrated Isolated Driver

Protects the output / secondary side from any disturbance on the Input / primary side ensuring safe operation



Higher Life

Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage

140-270V AC / 220-240V AC/50Hz



Operating Temperature

0°C to +45°C

APPLICATIONS

- Corporate Offices
- Banks
- Modern Workspaces
- Hospitals
- Software Centres

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PLHM05283	28W	1200x55x85	≤ 10%	3000K
PLHM05284	28W	1200x55x85	≤ 10%	4000K
PLHM05288	28W	1200x55x85	≤ 10%	5700K
PLHM06363	36W	1200x55x85	≤ 10%	3000K
PLHM06364	36W	1200x55x85	≤ 10%	4000K
PLHM06368	36W	1200x55x85	≤ 10%	5700K

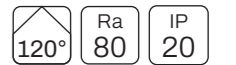
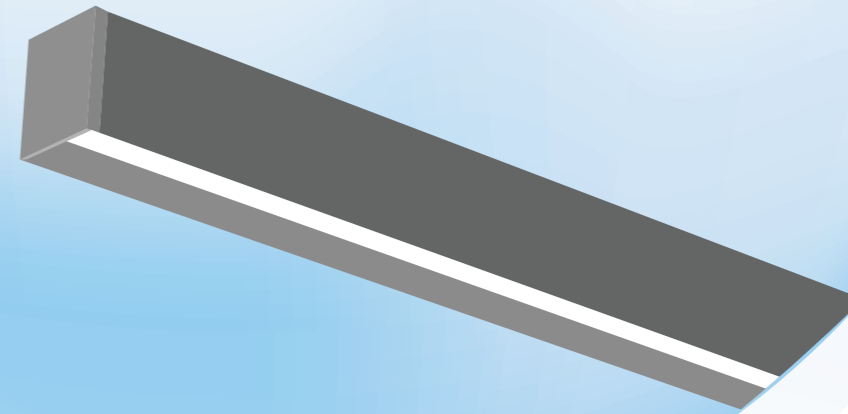
COMMERCIAL LIGHTING

DECO LINEAR - DEEP RECESSED

SLENDO MAX ADV

28W

Unique design with deep recessed micro prismatic sliding diffuser UGR<16 to reduce strain on eye. The 28W downward deep recessed linear comprises of aluminium housing with clutchwise suspension kit for suspended mounting.



High on Efficacy

Efficacy of 100lm/W



Housing

Aluminium extrusion with white powder coating



Safe & Reliable

Inbuilt Surge Protection: 3kV, THD<10%, Power Factor: >0.95, Class-I product



Integrated Isolated Driver

Protects the output / secondary side from any disturbance on the Input / Primary side ensuring safe operation



Higher Life

Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage

140-270V AC / 220-240V AC/50Hz



Operating Temperature

0°C to +45°C

APPLICATIONS

- Corporate Offices
- Banks
- Modern Workspaces
- Hospitals
- Software Centres

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PLHM20284*	28W	1190x55x86	≤ 10%	4000K
PLHM20288*	28W	1190x55x86	≤ 10%	5700K
PLHM21284	28W	1200x58x88	≤ 10%	4000K
PLHM21288	28W	1200x58x88	≤ 10%	5700K

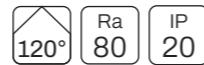
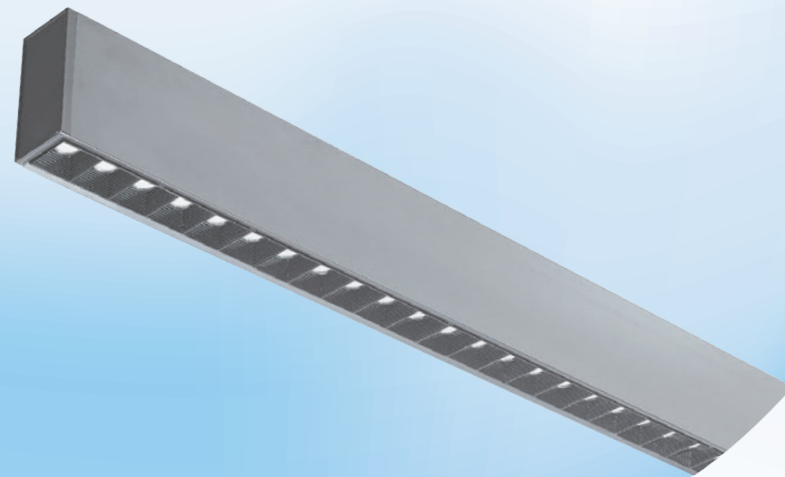
COMMERCIAL LIGHTING

DECO LINEAR - LASER LINEA

SLENDO MAX

28W/36W

The 28W down type & 36W up-down type laser linear with lens comprises of aluminium extrusion housing with clutch wire suspension kit for suspended mounting.



UGR<10



Housing
Aluminium extrusion with white powder coating



Safe & Reliable
Inbuilt Surge Protection: 3kV, THD<10%, Power Factor: >0.95, Class-I product



Integrated Isolated Driver
Protects the output / secondary side from any disturbance on the Input / primary side ensuring safe operation



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

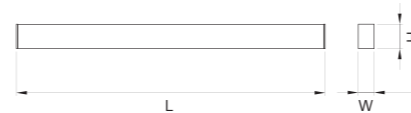


Operating Temperature
0°C to +45°C

APPLICATIONS

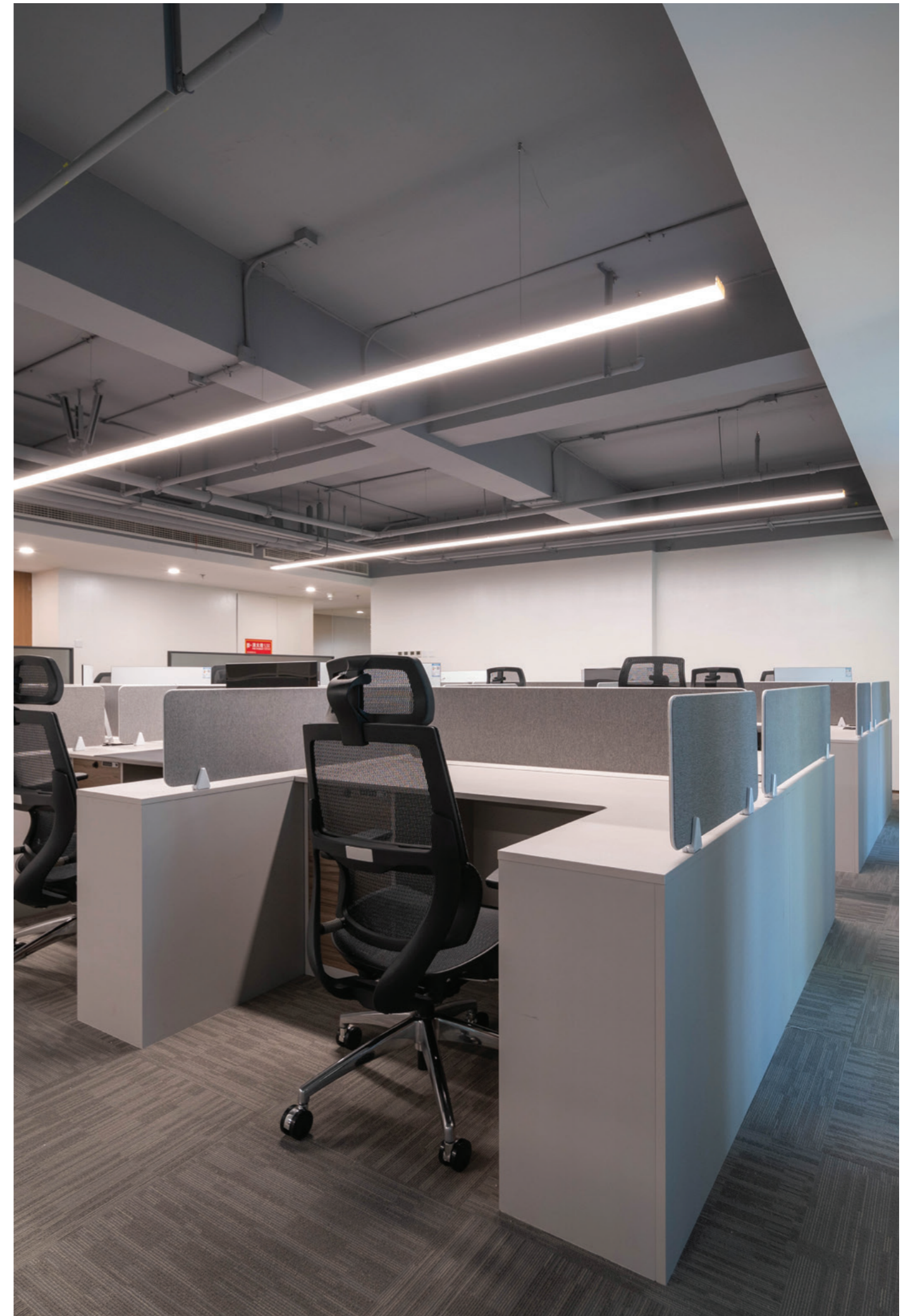
- Corporate Offices
- Banks
- Modern Workspaces
- Hospitals
- Software Centres

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PLHM07283	28W	1128x40x82	≤ 10%	3000K
PLHM07284	28W	1128x40x82	≤ 10%	4000K
PLHM07288	28W	1128x40x82	≤ 10%	5700K
PLHM08363	36W	1128x40x82	≤ 10%	3000K
PLHM08364	36W	1128x40x82	≤ 10%	4000K
PLHM08368	36W	1128x40x82	≤ 10%	5700K



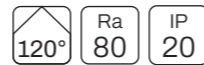
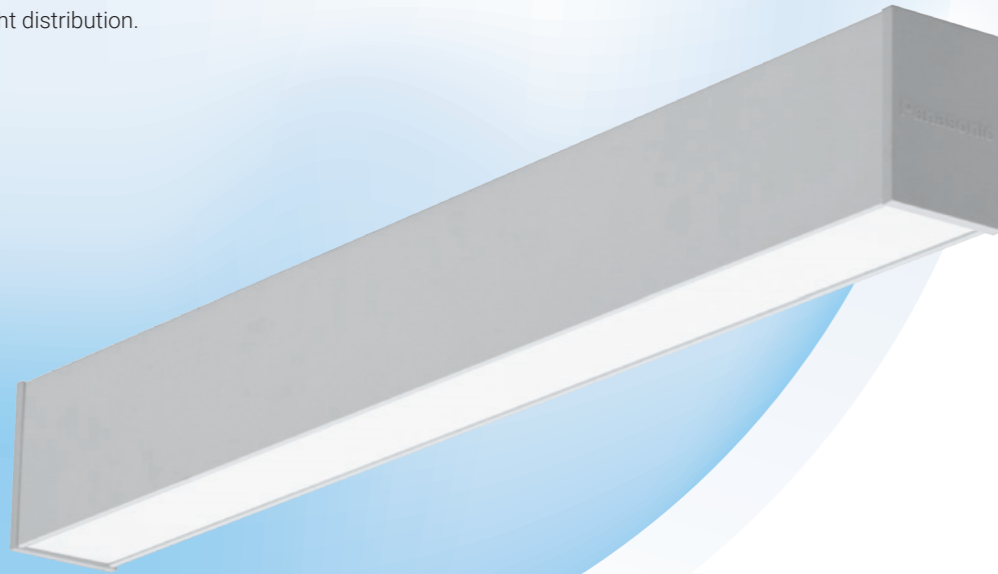
COMMERCIAL LIGHTING

SUSPENDED LINEAR TUNABLE

SLENDO R

36W

The 36W suspended CCT Tunable Linear Light features a sleek aluminium extrusion design with a PMMA diffuser for optimal light distribution.



High on Efficacy
Efficacy of 100lm/W

Housing
Aluminium extrusion with white powder coating

Safe & Reliable
Inbuilt Surge Protection: 2kV, THD<20%, Power Factor: >0.9, Class-I product

Integrated Isolated Driver
Protects the output /secondary side from any disturbance on the Input / Primary side ensuring safe operation

Higher Life
Life: 50,000 BH @ L70B50

Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

Operating Temperature
0°C to +45°C

APPLICATIONS

- Offices
- Corridors & Libraries
- Meeting room
- Educational Facilities
- Reception Area

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PLHM2436CT	36W	1200x52x75	<20%	Tunable White



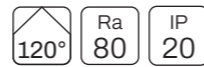
COMMERCIAL LIGHTING

ALUMINIUM DOWN LIGHT

ARUMI PLUS

6W/9W/12W/15W/18W/20W/24W

The aluminium recessed down light comprises of casted aluminium housing with high quality diffuser for uniform light distribution.



Efficacy
6W, 9W - 100 lm/W
12W, 15W, 18W & 20W - 110 lm/W



Low Depth
Suitable for ceiling wherein depth between True ceiling and False ceiling is constraint



Safe & Reliable
Inbuilt Surge Protection: 4kV
THD<10%, Class-II product IK02



Non Integrated Isolated Driver
No Electric Shocks. Protects the output / secondary side from any disturbance on the Input / primary side ensuring safe operation



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

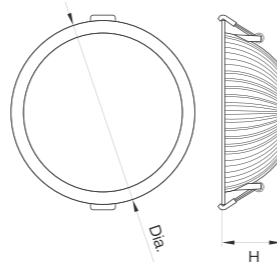


Operating Temperature
0°C to +45°C

APPLICATIONS

- Corporate Offices
- Residences
- Museums
- Retail Stores
- Shopping Malls
- Airport Lounges
- Restaurants
- Hotels

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PDLM35063 / PDLM35064	6W	Ø121x39	Ø105	3000K/4000K
PDLM35068 / PDLM35067	6W	Ø121x39	Ø105	5700K/6500K
PDLM35093 / PDLM35094	9W	Ø121x39	Ø105	3000K/4000K
PDLM35098 / PDLM35097	9W	Ø121x39	Ø105	5700K/6500K
PDLM35123 / PDLM35124	12W	Ø165x53	Ø151	3000K/4000K
PDLM35128 / PDLM35127	12W	Ø165x53	Ø151	5700K/6500K
PDLM35153 / PDLM35154	15W	Ø165x53	Ø151	3000K/4000K
PDLM35158 / PDLM35157	15W	Ø165x53	Ø151	5700K/6500K
PDLM35183 / PDLM35184	18W	Ø165x53	Ø151	3000K/4000K
PDLM35188 / PDLM35187	18W	Ø165x53	Ø151	5700K/6500K
PDLM35203 / PDLM35204	20W	Ø165x53	Ø151	3000K/4000K
PDLM35208 / PDLM35207	20W	Ø165x53	Ø151	5700K/6500K
PDLM35243 / PDLM35244	24W	Ø165x53	Ø151	3000K/4000K
PDLM35248 / PDLM35247	24W	Ø165x53	Ø151	5700K/6500K



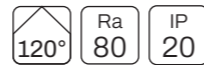
COMMERCIAL LIGHTING

PC DOWN LIGHT

SPUR ADV

5W/10W/15W/20W

Recess mounting circular LED downlight luminaire with PC housing, anti-glare diffuser and separate energy efficient electronic driver.



Wide wattage selection
5W, 10W, 15W, 20W



Low Depth
Suitable for ceiling wherein depth between True ceiling and False ceiling is constraint



Safe & Reliable
Inbuilt Surge Protection: 2.5kV
THD<20%, Class-II product



Driver Type
Non Integral Energy Efficient Electronic driver



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
100-330V AC / 220-240V AC/50Hz

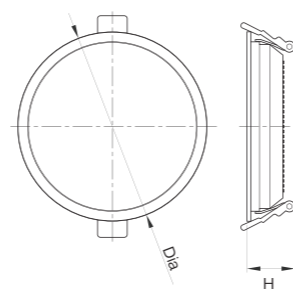


Operating Temperature
0°C to +45°C

APPLICATIONS

- Corporate Offices
- Residences
- Museums
- Retail Stores
- Shopping Malls
- Airport Lounges
- Restaurants
- Hotels

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PLHM2436CT	36W	1200x52x75	<20%	Tunable White



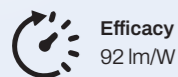
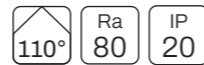
COMMERCIAL LIGHTING

COLOUR TUNABLE DOWN LIGHT

SPUR

24W

The 24W aluminium downlight is a recessed fixture with a dual-channel CCT tunable DALI driver, featuring a cast aluminium housing, PMMA diffuser, and SS springs for secure recessed mounting.



Efficacy
92 lm/W



Aluminium Housing
Aluminium extrusion – white powder coated



Safe & Reliable
Inbuilt Surge Protection: 2kV
THD<20%, Class-II product IK02



High Performance Electronic Driver
Non-Integral, Isolated, 2 Channel
CCT Tunable Dali Driver



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

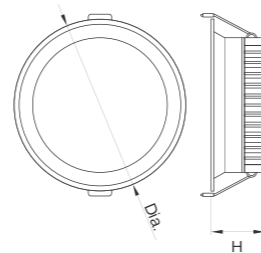


Operating Temperature
0°C to +45°C

APPLICATIONS

- Offices
- Classrooms
- Shops
- Reception Areas
- Meeting Rooms

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	Cutout (mm)	THD	Colour Temp. (CCT)
PDLM12624CT	24W	175x55	165	<10%	Tunable White

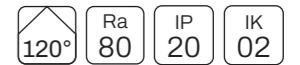
COMMERCIAL LIGHTING

CYLINDRICAL SUSPENDED LIGHT

PEAR

12W/20W

Cylindrical suspended mounted LED luminaire comprises of Al housing matt powder coated in black is used for modern offices, recreation area & other interiors. Special translucent diffuser used for better lighting distribution.



Aluminium Housing
Matt powder coated in black, special translucent diffuser for glare-free light distribution



Mounting System
Suspended mounted



Safe & Reliable
Inbuilt Surge Protection: 2.5kV
THD<10%, Class-I product IK02



Isolated Integrated Driver
No Electric Shocks. Protects the output / secondary side from any disturbance on the Input / primary side ensuring safe operation



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

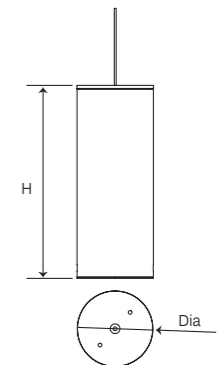


Operating Temperature
0°C to +45°C

APPLICATIONS

- Modern Office
- Corridors & Libraries
- Museums
- Reception Area
- Recreation Area

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PDLM18124	12W	102x200	≤ 10%	4000K
PDLM18128	12W	102x200	≤ 10%	5700K
PDLM18204	20W	102x200	≤ 10%	4000K
PDLM18208	20W	102x200	≤ 10%	5700K

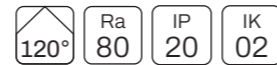
COMMERCIAL LIGHTING

CYLINDRICAL SURFACE LIGHT

PEAR

12W/20W

Cylindrical surface mounted LED luminaire comprises of Al housing matt powder coated in black. The LED clusters are assembled in the body & high efficiency translucent diffuser is used for uniform glare-free light distribution.



Aluminium Housing

Matt powder coated in black, special translucent diffuser for glare-free light distribution



Mounting System

Surface mounted



Safe & Reliable

Inbuilt Surge Protection: 2.5kV
THD<10%, Class-I product IK05



Non Integrated Driver

No Electric Shocks. Protects the output / secondary side from any disturbance on the Input / primary side ensuring safe operation



Higher Life

Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage

140-270V AC / 220-240V AC/50Hz



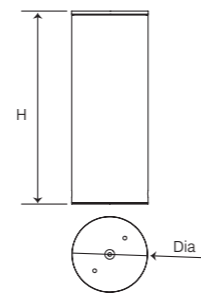
Operating Temperature

0°C to +45°C

APPLICATIONS

- Modern Office
- Corridors & Libraries
- Museums
- Reception Area
- Recreation Area

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PDLM19124	12W	102x200	≤ 10%	4000K
PDLM19128	12W	102x200	≤ 10%	5700K
PDLM19204	20W	102x200	≤ 10%	4000K
PDLM19208	20W	102x200	≤ 10%	5700K



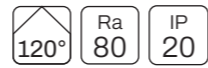
COMMERCIAL LIGHTING

ALUMINIUM TECHZONE

SLENDO TECH PLUS

14W/18W/22W/28W/44W/36W/56W

The recess mounted techzone luminaire comprises of aluminium extrusion housing with PMMA sliding diffuser.



High on Efficacy
Max upto 140 lm/W

Special Feature
-Different wattages for stand alone & continuous mounting versions
-Easy loop in loop out arrangements using male female connection

Safe & Reliable
Inbuilt Surge Protection: 3kV
THD<10%, Class-I product IK02

Non Integrated Driver
No Electric Shocks. Protects the output / secondary side from any disturbance on the Input / primary side ensuring safe operation

Higher Life
Life: 50,000 BH @ L70B50

Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

Operating Temperature
0°C to +45°C

APPLICATIONS

- Corporate Office
- Meeting Room
- Corridors
- Libraries

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PTZM03184 / PTZM03188	18W	1195x146x48	≤ 10%	4000K/5700K
PTZM04284 / PTZM04288	28W	1195x146x48	≤ 10%	4000K/5700K
PTZM03364 / PTZM03368	36W	2395x146x48	≤ 10%	4000K/5700K
PTZM04564 / PTZM04568	56W	2395x146x48	≤ 10%	4000K/5700K
PTZM03144 / PTZM03148	14W	1195x146x48	≤ 10%	4000K/5700K
PTZM04224 / PTZM04228	22W	1195x146x48	≤ 10%	4000K/5700K
PTZM03284 / PTZM03288	28W	2395x146x48	≤ 10%	4000K/5700K
PTZM04444 / PTZM04448	44W	2395x146x48	≤ 10%	4000K/5700K



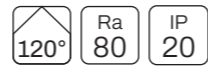
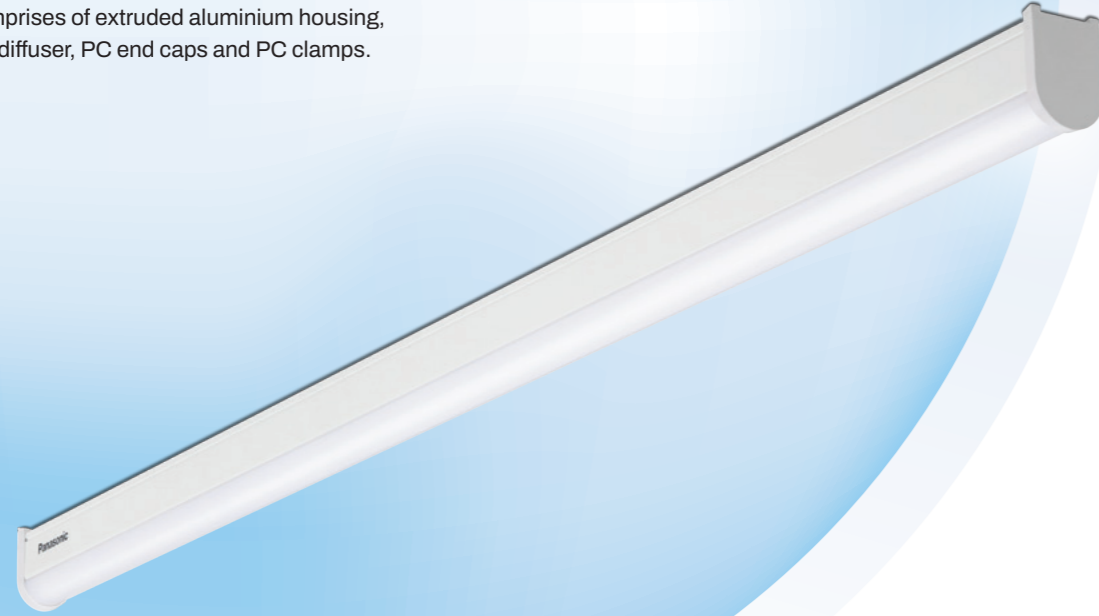
COMMERCIAL LIGHTING

ALUMINIUM BATTEN

HARROW ADV AL

20W/36W

LED batten for surface applications. comprises of extruded aluminium housing, PC diffuser, PC end caps and PC clamps.



High on Efficacy
Efficacy of 100 lm/W

Aluminium Housing
with PC extruded diffuser

Safe & Reliable
Inbuilt Surge Protection: 4kV
THD<15%, Class-I product IK02

Mounting System
PC clamps for surface
mounting

Higher Life
Life: 50,000 BH @ L70B50

**Wide Operating Voltage /
Rated Voltage**
140-270V AC / 220-240V AC/50Hz

Operating Temperature
0°C to +45°C

APPLICATIONS

- Modern offices
- Corridors & Libraries
- Educational Facilities
- Hospitals

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PBTM25204	20W	1140x23x38	≤ 15%	4000K
PBTM25208	20W	1140x23x38	≤ 15%	5700K
PBTM25207	20W	1140x23x38	≤ 15%	5700K
PBTM25364	36W	1205x23x38	≤ 15%	4000K
PBTM25368	36W	1205x23x38	≤ 15%	5700K
PBTM25367	36W	1205x23x38	≤ 15%	5700K



INDUSTRIAL LIGHTING

Enhance productivity with sustainable and smart infrastructure

Industrial lighting goes beyond illuminating production lines and machinery — it ensures that people can work safely, accurately, and efficiently. In industries like manufacturing, mining, petrochemical, and warehousing, the right lighting improves visibility, reduces errors, and enhances safety.

High-performance fixtures are built to withstand harsh environments, extreme temperatures, and demanding conditions. By optimizing lux levels and using smart lighting to minimize energy waste, industrial lighting not only boosts productivity but also protects workers and equipment every day.



Industrial lighting is not just about lighting production lines, machinery and stocks; it is also about providing light for the people that need it to do their work effectively. Having the latest equipment, high-tech facilities and necessary signage in place is not enough if they cannot be seen, and the wrong color temperature or intensity in areas that require precision can reduce productivity. Getting the lux levels right on surfaces that need to be seen clearly, while at the same time reducing energy consumption is a necessity – especially in large-scale projects. Furthermore, smart lighting can be used to reduce lighting where and when it is not needed. Good industrial lighting can make daily work easier, safer and more productive.

Lighting is a critical aspect in a number of industries such as manufacturing, mining, Petrochemical, packaging, and even warehouse. Electrical fixtures for such industries are designed for heavy-duty performance and can last even in the most adverse conditions such as extreme temperatures and climate.

These industrial lighting fixtures are specially designed to meet the lighting needs and requirements of commercial areas while considering the environment and luminosity needs of the workspace. They are typically heavy-duty, well-constructed, and designed to meet the demands of the environments they are placed in.

The safety of you and your workers is especially important when handling various types of machinery and equipment. And, if the facility you work in isn't properly lit throughout every section, serious injuries, or even death, can occur. That's why Industrial Lighting makes it easier to keep their building and occupants safe.



Industrial lighting requires a different approach to lighting spaces. High and low-bay downlighting along with powerful heavy-duty linear lights are low-maintenance and energy-saving lighting solutions. The correct lighting in a working area will improve visibility in the workspace, help eliminate scenarios where employees accidentally injure themselves and help present the facility in a clean and professional manner.

OPTICS

Even with the most powerful and efficient LEDs, it is not possible to get efficient results without optics. Optics provides the control that helps achieve the right lighting levels in the right places. They can reduce wasted light, glare and most importantly the number of other components needed, such as LEDs. Different beam angles are required to illuminate spaces evenly from different heights, and asymmetric light distribution can be used to focus the main part of the light exactly where required; on shelves or aisles for example. Mixing different optics in one luminaire can also make fixtures suitable for multiple purposes. In the end, optics provide clear savings when used together with efficient LEDs.

OUR OFFERING

TECHNOLOGY AND INNOVATION



GUARANTEE FOR DEVELOPMENT AND PRODUCTION OF HIGH QUALITY PRODUCTS



UNCOMPROMISED QUALITY OF MATERIAL



UNIFORM BRIGHTNESS



GREATER SAVINGS AND OPTIMIZATION



SAFETY ENVIRONMENT FOR MINIMAL RISK



MAINTENANCE FREE





WAREHOUSE LIGHTING

Warehouse lighting requires a different approach to lighting spaces. High and low-bay down lighting along with powerful heavy-duty linear lights are low-maintenance and energy-saving lighting solutions. The correct lighting in a warehouse will improve visibility in the workspace, help eliminate scenarios where employees accidentally injure themselves, and help present the facility in a clean and professional manner.

AMBIENCE. CONTROL. PRODUCTIVITY.

- Understand the lighting requirements.
- Perfect lighting that helps you to read labels and improve their accuracy.
- Understand the layout of warehouse.
- High, fully stocked aisles of goods may require aisle lighting while low shelving may be able to utilize general space lighting.
- No damaged goods & workplace accidents because of uniform glare-free lighting which increase the productivity.
- Lighting controls and sensors to turn lights on and off as necessary to minimize energy consumption.



E-COMMERCE

A major driver of technological innovation in warehousing

E-commerce warehousing is highly competitive on account of its high-volume quick delivery nature and accordingly all variables that impact efficiency are extremely critical. Technology enables immense time and labor efficiency which in turn brings in cost efficiency. It is, therefore, no surprise that the e-commerce sector seeks increased intervention of technology in its operations, including in warehousing, which eventually drives further innovation in technology all in the continual pursuit of increased efficiency.

Globally, e-commerce has caused a wave of technological innovation in warehousing. It started with Warehouse Management Software (WMS) that reduced the burden of data entry and paper records, to conveyor belts and pick-to-light systems that helped increase the speed of sorting and picking. Smart warehouses, like smartphones, have become common parlance. Also referred to as intelligent warehouses or warehouses that think, all gadgets and devices within a smart warehouse are connected to each other via the internet and can effectively perform multiple operations simultaneously.

Another trending feature in global e-commerce warehouses is the Internet of Things (IoT). IoT is a system that connects and integrates electronic devices via the internet such that they can send and receive data from each other and perform their respective function in sync with one another.

The quest for innovation is ongoing and new technologies continue to enter warehouses.





HIGH-BAY LIGHTS

As their name implies, high-bay lights are used to illuminate spaces with high ceilings. That usually means ceilings ranging from 20 feet to approximately 45 feet. Low-bay lights, on the other hand, are used for ceilings 20 feet and under. Because a high-ceiling location has more space to fill, a high-bay by definition is a powerful light source that can brighten up a large area.

One of the benefits of high-bay lighting is that it provides clear, uniform lighting of what's below it with little glare. Different kinds of reflectors can accomplish different kinds of illumination tasks for high-bay lights. Aluminium reflectors make light from the fixtures flow directly down to the floor, while prismatic reflectors create a more diffused lighting useful for illuminating shelves and other elevated objects in space.

LED BATTEN LIGHTS

Industrial LED batten lights are extremely durable lighting solutions that are perfect for industrial and commercial environments such as warehouses, factories and stores. They are very hard wearing and are suitable for both outdoor and indoor use.

What's more, they offer the fantastic, powerful illumination that is essential for working environments and all at an exceptionally low-cost thanks to the low energy consumption of LED lighting. If you are searching for the perfect lighting solution for your industrial or commercial environment, then look no further.



WELL GLASS LIGHTS

For the hazardous environment of Oil and Gas industry, safe lighting solution is very significant. Lighting solution in this industry requires lights and luminaire that absorb heat and pressure from flammable vapours, gases, and chemical compounds.

CLEANROOM LIGHTS

Hospitals, laboratories and production environments like the food industry require lighting solutions that offer pure light, are easy to clean, dust-free and leave no room for errors. With the latest Cleanroom LED lighting, it has become easy for such operational facilities to provide the right light to the employees. We are among the top cleanroom manufacturers that offer a wide range of energy-efficient Cleanroom LED luminaires.

Cleanroom Lighting solutions use high efficacy LEDs that save energy up to 55% and reduce the operational cost significantly. The self-aligning mounting mechanism in each LED Cleanroom light fixture ensures precision and faster installation. In addition, the specially designed pressure plates provide positive locking, dust, and water-proofing. Finally, the driver of each LED Cleanroom light fixture is designed keeping in mind the Indian power conditions, thus incredibly resourceful.



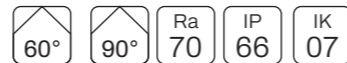
INDUSTRIAL LIGHTING

LED CIRCULAR BAYLIGHT

ENVISO PRO

80W/100W/120W/150W/180W/200W

Aesthetically designed robust LED high bay equipped with specially designed heat sink and reliable integrated energy efficient driver to meet the different requirement across Industrial application.



High on Efficacy
Efficacy: upto 150lm/W



Robust Design
Innovative, aesthetic and robust design UV stabilized IP PC Lens for better light distribution.



Safe & Reliable
High Surge Protection: 4kV
10kV Optional Surge Protection



High Performance Electronic Driver
Potted driver for better thermal reliability, easy maintenance



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

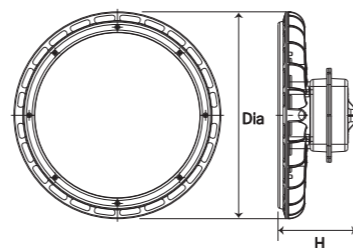


Operating Temperature
-10°C to +50°C

APPLICATIONS

- Factories & Assembly Line
- Cement & Steel Plants
- Medium Industrial Units
- Toll Plaza
- Warehouse

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	DiaxH (Øxmm)	THD	Colour Temp. (CCT)	Weight (kg)
PBYM14808	80W	Ø244x130	≤ 10%	5700K	2.5
PBYM15808	80W	Ø244x130	≤ 10%	5700K	2.5
PBYM14AB8	100W	Ø244x130	≤ 10%	5700K	2.5
PBYM15AB8	100W	Ø244x130	≤ 10%	5700K	2.5
PBYM14CD8	120W	Ø340x125	≤ 10%	5700K	3.7
PBYM15CD8	120W	Ø340x125	≤ 10%	5700K	3.7
PBYM14FG8	150W	Ø340x125	≤ 10%	5700K	3.7
PBYM15FG8	150W	Ø340x125	≤ 10%	5700K	3.7
PBYM14KL8	180W	Ø340x125	≤ 10%	5700K	3.7
PBYM15KL8	180W	Ø340x125	≤ 10%	5700K	3.7
PBYM14MN8	200W	Ø340x125	≤ 10%	5700K	3.7
PBYM15MN8	200W	Ø340x125	≤ 10%	5700K	3.7

INDUSTRIAL LIGHTING

LED CIRCULAR BAYLIGHT

ENVISO PRO PLUS

150W/180W/200W

Aesthetically designed robust LED high bay equipped with specially designed heat sink and reliable integrated energy efficient driver to meet the different requirement across Industrial application.



High on Efficacy
Efficacy: 150lm/W



Robust Design
Innovative, aesthetic and robust design UV stabilized IP PC lens for better light distribution.



Safe & Reliable
High Surge Protection: 4kV
10kV Optional Surge Protection



High Performance Electronic Driver
Potted driver for better thermal reliability, easy maintenance



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

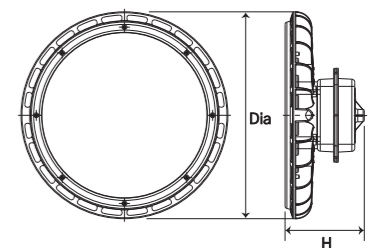


Operating Temperature
-10°C to +50°C

APPLICATIONS

- Warehouse

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	DiaxH (Øxmm)	THD	Colour Temp. (CCT)	Weight (kg)
PBYM16FG8WO	150W	Ø330x160	≤ 10%	5700K	3.7
PBYM16KL8WO	180W	Ø330x160	≤ 10%	5700K	3.7
PBYM16MN8WO	200W	Ø330x160	≤ 10%	5700K	3.7

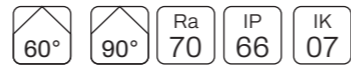
INDUSTRIAL LIGHTING

LED CIRCULAR BAYLIGHT

ENVISO ECO

120W

Aesthetically designed robust LED high bay equipped with specially designed heat sink and reliable integrated energy efficient driver to meet the different requirement across Industrial application.



High on Efficacy
Efficacy: upto 150lm/W



Robust Design
Innovative, aesthetic and robust design with pressure die cast aluminium housing with heat resistant with PC Lens for better light distribution.



Safe & Reliable
High Surge Protection: 6kV



High Performance Electronic Driver
Constant current, isolated potted driver for better thermal reliability, easy maintenance



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

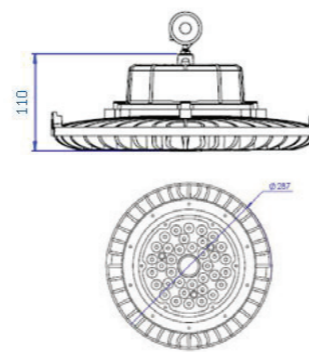


Operating Temperature
-10°C to +50°C

APPLICATIONS

- Factories & Assembly Line
- Cement & Steel Plants
- Medium Industrial Units
- Toll Plaza
- Warehouse

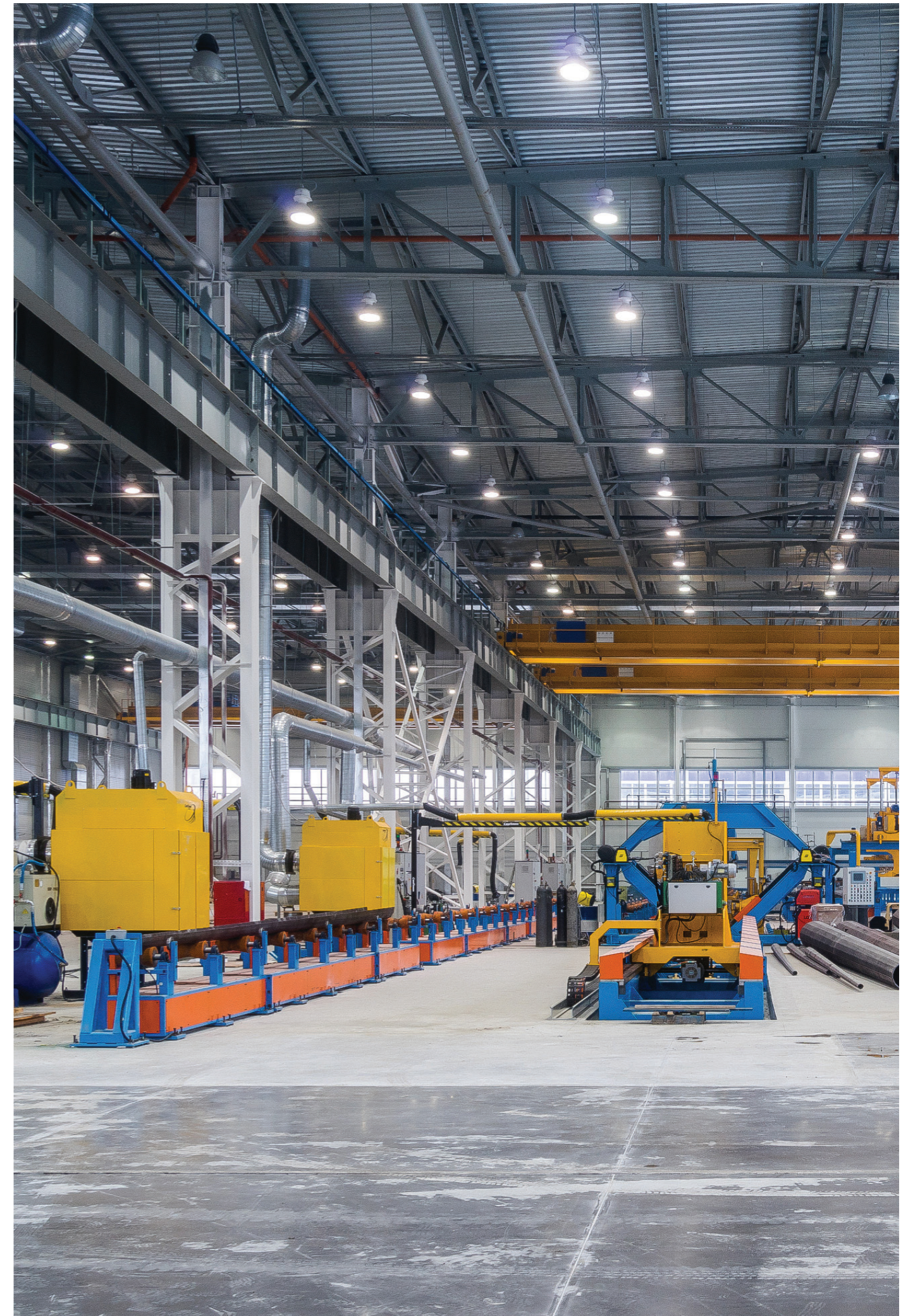
PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	DiaxH (Øxmm)	THD	Colour Temp. (CCT)	Weight (kg)
PBYM14CD8R2	120W	Ø290x135	≤ 10%	5700K	2.8
PBYM15CD8R2	120W	Ø290x135	≤ 10%	5700K	2.8

PBYM14** - 60°, PBYM15** - 90°



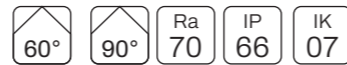
INDUSTRIAL LIGHTING

LED CIRCULAR BAYLIGHT

ENVISO ECO MAX

80W/100W/120W/150W/180W

Aesthetically designed robust LED high bay equipped with specially designed heat sink and reliable integrated energy efficient driver to meet the different requirement across Industrial application.



High on Efficacy
Efficacy: upto 125lm/W



Robust Design
Aluminum die cast housing (ADC12) powder coated in umbra grey



Safe & Reliable
High Surge Protection: 4kV



High Performance Electronic Driver
High performance electronic driver constant current isolated driver, for better thermal reliability



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

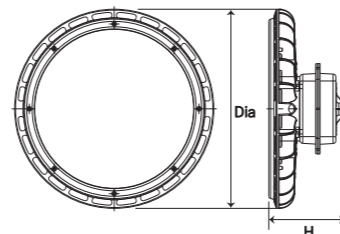


Operating Temperature
-10°C to +50°C

APPLICATIONS

- Factories & Assembly Line
- Cement & Steel Plants
- Medium Industrial Units
- Toll Plaza
- Warehouse

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	DiaxH (Øxmm)	THD	Colour Temp. (CCT)	Weight (kg)
PBYM17808	80W	Ø244x130	≤ 10%	5700K	2.5
PBYM18808	80W	Ø244x130	≤ 10%	5700K	2.5
PBYM17AB8	100W	Ø244x130	≤ 10%	5700K	2.5
PBYM18AB8	100W	Ø244x130	≤ 10%	5700K	2.5
PBYM17CD8	120W	Ø287x110	≤ 10%	5700K	2.7
PBYM18CD8	120W	Ø287x110	≤ 10%	5700K	2.7
PBYM17FG8	150W	Ø287x110	≤ 10%	5700K	2.7
PBYM18FG8	150W	Ø287x110	≤ 10%	5700K	2.7
PBYM17KL8	180W	Ø340x125	≤ 10%	5700K	3.7
PBYM18KL8	180W	Ø340x125	≤ 10%	5700K	3.7

PBYM17** - 60°, PBYM18** - 90°

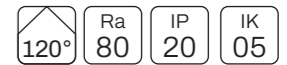
INDUSTRIAL LIGHTING

INDUSTRIAL BATTEN - IP20

HARROW

20W/40W

LED batten for surface and suspended application. White powder coated CRCA housing with LEDs. Seamless front frame is with white high transmission acrylic cover and decorative end cap.



High on Efficacy
Efficacy: 120lm/W for 20W and 115lm/W for 40W



Robust Design
White powder coated CRCA housing with LEDs and seamless front frame



Safe & Reliable
High Surge Protection: 4kV



High Performance Electronic Driver
Integrated energy efficient electronic driver



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz



Operating Temperature
0°C to +45°C

APPLICATIONS

- Factories & Assembly Line
- Warehouses
- Parking Area
- Battery Room
- Retail Chain
- Railway Platform
- Chiller Plants

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)	Weight (kg)
PBTM12204	20W	Ø1185x43x62	≤ 10%	4000K	1.25
PBTM12208	20W	Ø1185x43x62	≤ 10%	5700K	1.25
PBTM12404	40W	Ø1185x43x62	≤ 10%	4000K	1.25
PBTM12408	40W	Ø1185x43x62	≤ 10%	5700K	1.25

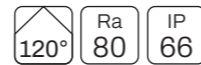
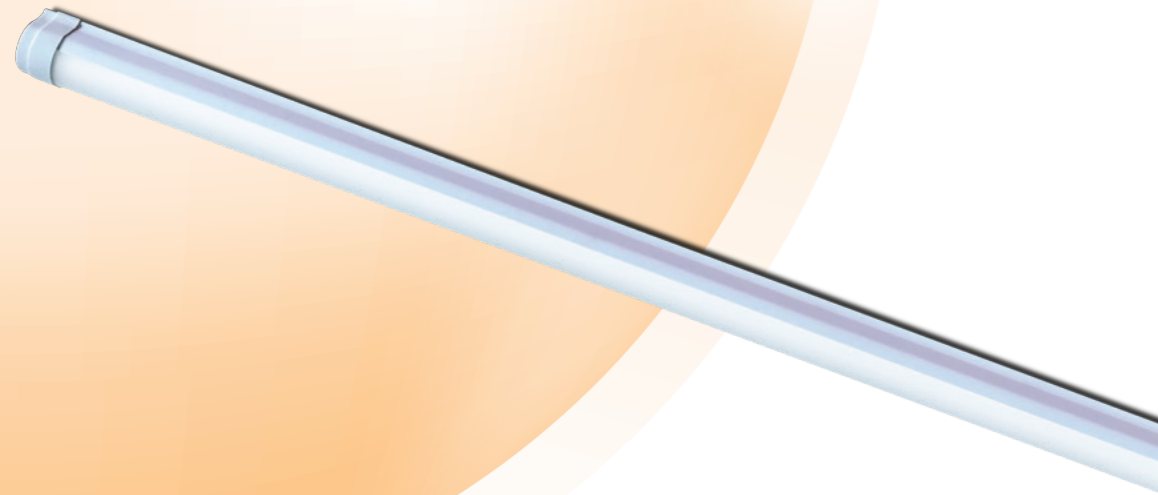
INDUSTRIAL LIGHTING

INDUSTRIAL BATTEN

TRUSS ADV

20W/40W

LED Batten with inbuilt heat sink, polycarbonate housing equipped with anti-glare diffuser & energy efficient electronic driver.



High on Efficacy
Efficacy: 110lm/W



Robust Design
Polycarbonate housing equipped with anti-glare diffuser



Safe & Reliable
High Surge Protection: 4kV



High Performance Electronic Driver
Integrated energy efficient electronic driver



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

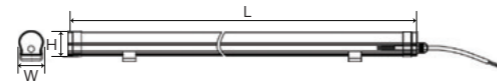


Operating Temperature
0°C to +45°C

APPLICATIONS

- Factories & Assembly Line
- Warehouses
- Parking Area
- Battery Room
- Railway Platform
- Chiller Plants

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)	Weight (kg)
PBTM19204	20W	1200x44.6x44.6	≤ 10%	4000K	1.0
PBTM19208	20W	1200x44.6x44.6	≤ 10%	5700K	1.0
PBTM19207	20W	1200x44.6x44.6	≤ 10%	6500K	1.0
PBTM19404	40W	1200x44.6x44.6	≤ 10%	4000K	1.0
PBTM19408	40W	1200x44.6x44.6	≤ 10%	5700K	1.0
PBTM19407	40W	1200x44.6x44.6	≤ 10%	6500K	1.0



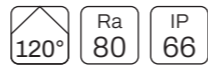
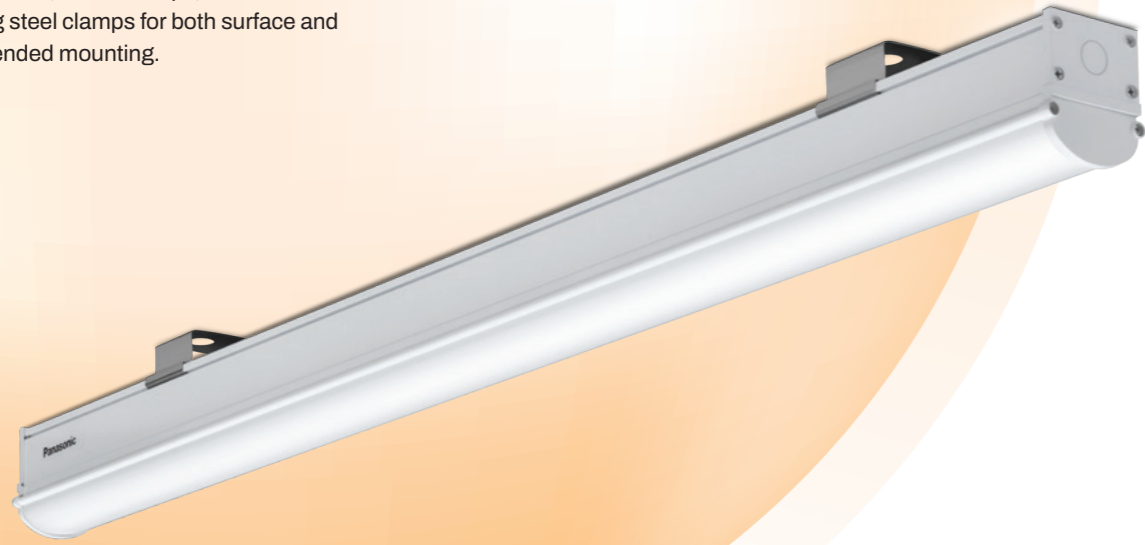
INDUSTRIAL LIGHTING

INDUSTRIAL BATTEN

TRUSS

59W

The 59W industrial batten features a sleek aluminium extrusion housing, a durable PC diffuser, and end caps, with versatile spring steel clamps for both surface and suspended mounting.



High on Efficacy
Efficacy: 135lm/W

Robust Design
Aluminium extrusion housing – powder coated

Safe & Reliable
Inbuilt Surge Protection: 4kV
Power Factor: >0.95, Class-I

High Performance Electronic Driver
Protects the output / secondary side from any disturbance on the Input / primary side ensuring safe operation

Higher Life
Life: 50,000 BH @ L70B50

Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

Operating Temperature
0°C to +45°C

APPLICATIONS

- Factories & Assembly Line
- Warehouses
- Parking Area
- Battery Room
- Retail Chain
- Railway Platform
- Chiller Plants

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)	Weight (kg)
PBTM12594BA	59W	1209x76x87	<10%	4000K	2.65
PBTM12598BA	59W	1209x76x87	<10%	5700K	2.65

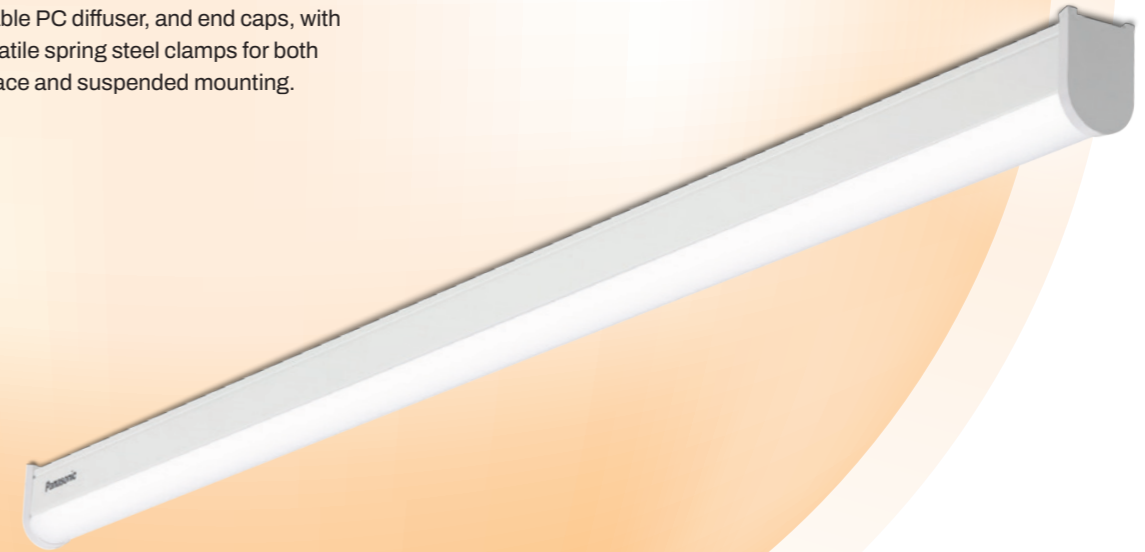
INDUSTRIAL LIGHTING

INDUSTRIAL BATTEN

TRUSS

34W

The 34W industrial batten features a sleek aluminium extrusion housing, a durable PC diffuser, and end caps, with versatile spring steel clamps for both surface and suspended mounting.



High on Efficacy
Efficacy: 135lm/W

Robust Design
Aluminium extrusion housing – powder coated

Safe & Reliable
Inbuilt Surge Protection: 4kV
Power Factor: >0.95, Class-I

High Performance Electronic Driver
Protects the output / secondary side from any disturbance on the Input / primary side ensuring safe operation

Higher Life
Life: 50,000 BH @ L70B50

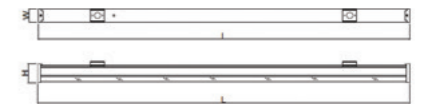
Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

Operating Temperature
0°C to +45°C

APPLICATIONS

- Factories & Assembly Line
- Warehouses
- Parking Area
- Battery Room
- Retail Chain
- Railway Platform
- Chiller Plants

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)	Weight (kg)
PBTM12343BA	34W	1205x45x62	<10%	3000K	1.0

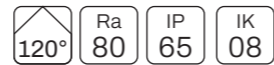
INDUSTRIAL LIGHTING

WELL GLASS

MERLIN ECO

40W

Aesthetically designed LED well glass with a durable build, featuring a specialized heat sink and energy-efficient driver for versatile industrial lighting applications, providing an easy replacement for traditional HID lamps.



High on Efficacy
upto 110lm/W for clear diffuser
upto 100lm/W for diffused diffuser



Robust Design
Aluminium extrusion housing – powder coated



Safe & Reliable
Inbuilt Surge Protection: 4kV
Power Factor: >0.95, Class-I



High Performance Electronic Driver
Protects the output / secondary side from any disturbance on the Input / primary side ensuring safe operation



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz



Operating Temperature
-10°C to +45°C

APPLICATIONS

- Factories & Assembly Line
- Cement & Steel Plants
- Medium Industrial Units
- Coal mine
- Thermal power plants

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	DiaxH (Øxmm)	THD	Colour Temp. (CCT)	Weight (kg)
PWGM17408	40W Clear	Ø147x177	≤ 10%	5700K	0.75
PWGM18408	40W Diffused	Ø147x177	≤ 10%	5700K	0.75

Standard product is available with 350mm cable, also available in 1mtr cable in PWGM17/18R1 series on special request.



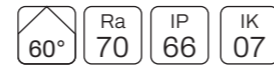
INDUSTRIAL LIGHTING

UNDER CANOPY

CANO PRO

100W

LED Under Canopy luminaire aesthetically designed with better thermal management. Housing made of PDC and MS frame with toughened glass. This LED luminaire is designed to replace conventional under canopy applications. It is also recommended for Industrial application.



High on Efficacy
Efficacy: 120lm/W



Robust Design
PDC housing and frame with heat resistant toughened glass (LILO Optional)



Safe & Reliable
High Surge Protection: 4kV



High Performance Electronic Driver
Integrated energy efficient isolated electronic driver



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

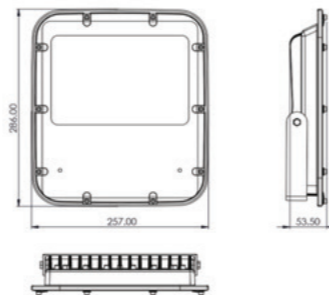


Operating Temperature
-10°C to +45°C

APPLICATIONS

- Petrol Pumps
- Gas Stations
- Under Canopy Areas
- Railway Stations

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	DiaxH (Øxmm)	THD	Colour Temp. (CCT)	Weight (kg)
PCNM02AB8	100W	286x257x53.5	≤ 10%	5700K	3.2



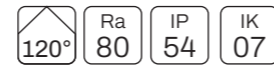
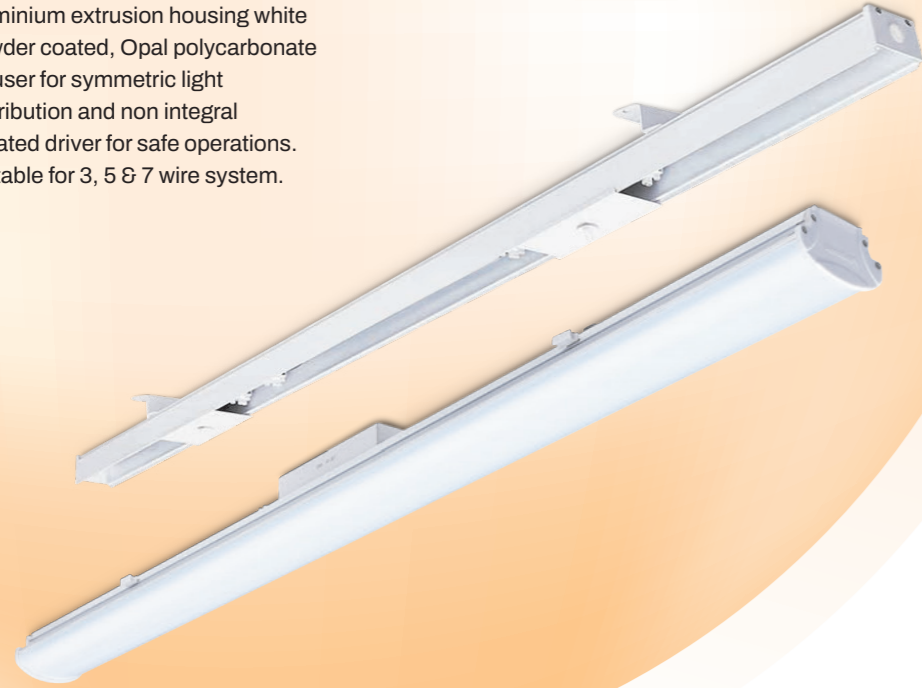
INDUSTRIAL LIGHTING

UNDER CANOPY

IP54 TRUNKING SYSTEM

40W

IP54 Trunking - Batten comprises of aluminium extrusion housing white powder coated, Opal polycarbonate diffuser for symmetric light distribution and non integral isolated driver for safe operations. Suitable for 3, 5 & 7 wire system.



High on Efficacy
Efficacy: 120lm/W



Robust Design
PDC housing and frame with heat resistant toughened glass (LILO Optional)



Safe & Reliable
High Surge Protection: 4kV



High Performance Electronic Driver
Integrated energy efficient isolated electronic driver



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz



Operating Temperature
-10°C to +45°C

APPLICATIONS

- Metros
- Factories

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)	Weight (kg)
PTBM03408	40W	1204x82x52	≤ 10%	5700K	2.6
PATM03153	—	1500x56.5x50	—	—	2.5
PATM03155	—	1500x56.5x50	—	—	2.5
PATM03157	—	1500x56.5x50	—	—	2.5
PATM03303	—	3000x56.5x50	—	—	5.0
PATM03305	—	3000x56.5x50	—	—	5.0
PATM03307	—	3000x56.5x50	—	—	5.0
PATM03353	—	3500x56.5x50	—	—	5.8
PATM03354	—	3500x56.5x50	—	—	5.8
PATM03357	—	3500x56.5x50	—	—	5.8



INDUSTRIAL LIGHTING

BULK HEAD

ELIPTO

10W

Ceiling and Wall mount LED bulk head serves as an excellent energy efficient alternative to CFL/ incandescent bulkhead luminaires.



Ra 80 IP 65 IK 09



Housing

Polycarbonate housing with polycarbonate diffuser for better light distribution



High Performance Electronic Driver

Non isolated integral driver with constant current



Safe & Reliable

THD<10%, Inbuilt Surge Protection: 4KV, Class-II Product



Weather Proof

IP65 Protection



Higher Life

Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage

140-270V AC / 220-240V AC/50Hz



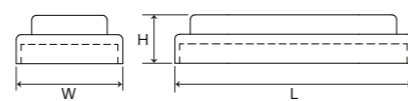
Operating Temperature

-10°C to +45°C

APPLICATIONS

- Lawns
- Gardens
- Pathway
- Courtyard
- Factories

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)	Weight (kg)
PBHM01103	10W	232x105x50	≤ 10%	3000K	0.255
PBHM01107	10W	232x105x50	≤ 10%	6500K	0.255



INDUSTRIAL LIGHTING

BULK HEAD

ELIPTO AL

10W

Enhance your lighting with our Ceiling and Wall Mount LED Bulkhead. Designed for optimal illumination and minimal energy use, it offers a durable and efficient lighting solution for any space.



Ra 80 IP 66 IK 07



High on Efficacy
Efficacy: 90lm/W (3000K) / 100lm/W (5700K)



Robust Design
Aluminium die cast housing (ADC12) powder coated in Umbra Grey



Safe & Reliable
Inbuilt Surge Protection: 4kV
Power Factor: >0.95, Class-I



High Performance Electronic Driver
Protects the output / secondary side from any disturbance on the input / primary side ensuring safe operation



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

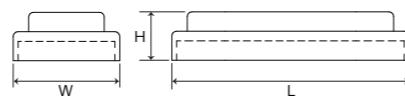


Operating Temperature
0°C to +45°C

APPLICATIONS

- Lawns
- Gardens
- Pathway
- Courtyard
- Factories

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)	Weight (kg)
PBHM04103	10W	170x105x59.70	<10%	3000K	0.32
PBHM04108	10W	170x105x59.70	<10%	5700K	0.32

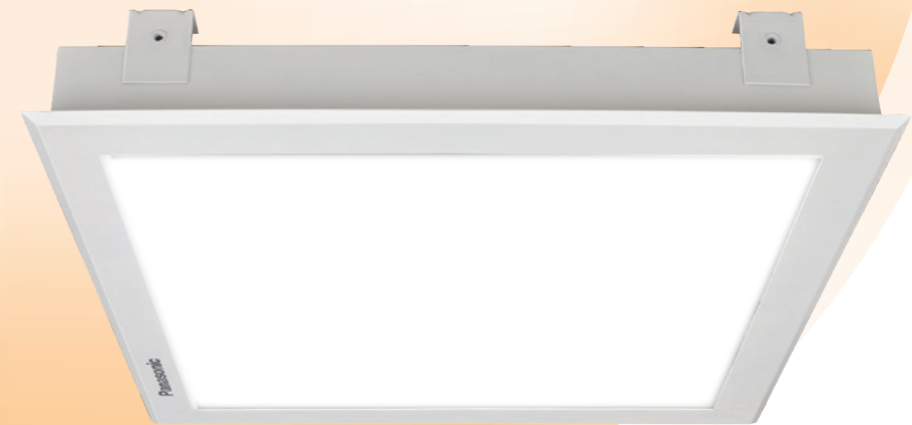
INDUSTRIAL LIGHTING

CLEANROOM BOTTOM OPENING

IMBUE

18W/22W/28W/36W/45W/60W

IP 54, dust free & zero maintenance LED clean room recess mounted with bottom opening luminaire with CRCA powder coating housing, anti glare diffuser with integrated energy efficient electronic driver.



120° Ra 80 IP 54



Driver
Integrated energy efficient electronic driver for 36W & above



High Ingress Protection
Dust and splash water protected IP54 luminaire. The diffuser is sealed with the bottom frame using non-hygroscopic VHB gasket ensuring high ingress protection



Safe & Reliable
Inbuilt Surge Protection: 2.5kV
THD≤10%, Class-I product, IP54



Environment Friendly
An energy efficient lighting solution reducing the (LPD) which makes it an ideal choice for green industries



No Maintenance & Long Life
Constant Current Constant Voltage (CCCV) driver ensures maintenance free long service life of 50000 hours



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

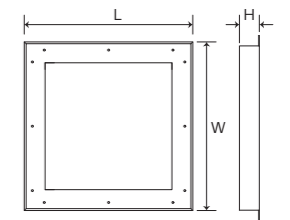


Operating Temperature
-10°C to +50°C

APPLICATIONS

- Pharmaceutical Industries
- Chemical & Biological Lab
- Semiconductor Fabrication
- Food & Beverage Industries
- Hospital

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	Cutout (mm)	THD	Colour Temp. (CCT)	Weight (kg)
With Screw & MS Bottom Frame						
PCRM03184	18W	300x300x65	270x270	≤ 10%	4000K	2.0
PCRM03188	18W	300x300x65	270x270	≤ 10%	5700K	2.0
PCRM03224	22W	300x300x65	270x270	≤ 10%	4000K	2.0
PCRM03228	22W	300x300x65	270x270	≤ 10%	5700K	2.0
PCRM03284	28W	300x300x65	270x270	≤ 10%	4000K	2.0
PCRM03288	28W	300x300x65	270x270	≤ 10%	5700K	2.0
PCRM03364	36W	600x600x65	570x570	≤ 10%	4000K	6.2
PCRM03368	36W	600x600x65	570x570	≤ 10%	5700K	6.2
PCRM03454	45W	600x600x65	570x570	≤ 10%	4000K	6.2
PCRM03458	45W	600x600x65	570x570	≤ 10%	5700K	6.2
PCRM03604	60W	600x600x65	570x570	≤ 10%	4000K	6.2
PCRM03608	60W	600x600x65	570x570	≤ 10%	5700K	6.2

* Also available in MS Frame without Screw, SS Frame with Screw and SS Frame without Screw options.

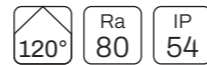
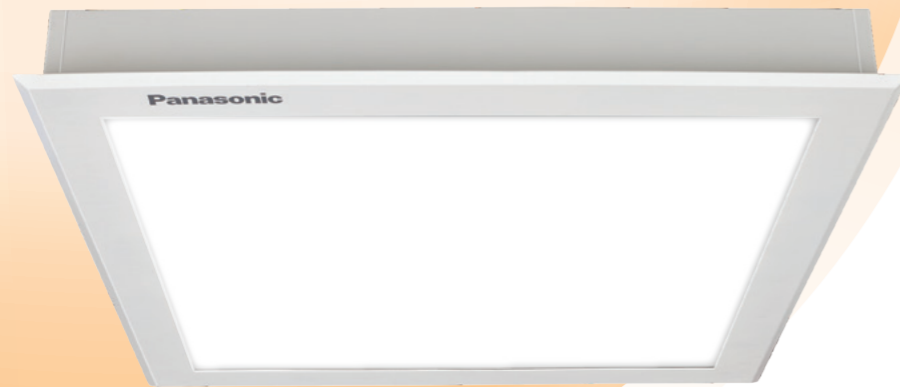
INDUSTRIAL LIGHTING

CLEANROOM BOTTOM OPENING

IMBUE

45W/60W

IP 54, dust free & zero maintenance LED Clean Room Top opening luminaire with CRCA powder coating housing, anti glare diffuser with integrated energy efficient electronic driver.



Driver
Integrated energy efficient electronic driver for 36W & above



High Ingress Protection
Dust and splash water protected IP54 luminaire. The diffuser is sealed with the bottom frame using non-hygroscopic VHB gasket ensuring high ingress protection



Safe & Reliable
Inbuilt Surge Protection: 2.5kV+10kV THD≤10%, Class-I product, IP54



Environment Friendly
An energy efficient lighting solution reducing the (LPD) which makes it an ideal choice for green industries



No Maintenance & Long Life
Constant Current Constant Voltage (CCCV) driver ensures maintenance free long service life of 50000 hours



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

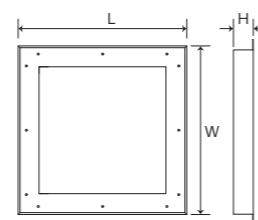


Operating Temperature
-10°C to +50°C

APPLICATIONS

- Pharmaceutical Industries
- Chemical & Biological Lab
- Semiconductor Fabrication
- Food & Beverage Industries
- Hospital

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	Cutout (mm)	THD	Colour Temp. (CCT)	Weight (kg)
With MS Frame						
PCRM07454	45W	650x650x75	580x580	≤ 10%	4000K	7.2
PCRM07458	45W	650x650x75	580x580	≤ 10%	5700K	7.2
PCRM07604	60W	650x650x75	580x580	≤ 10%	4000K	7.2
PCRM07608	60W	650x650x75	580x580	≤ 10%	5700K	7.2
PCRM08454	45W	650x650x75	580x580	≤ 10%	4000K	7.2
PCRM08458	45W	650x650x75	580x580	≤ 10%	5700K	7.2
PCRM08604	60W	650x650x75	580x580	≤ 10%	4000K	7.2
PCRM08608	60W	650x650x75	580x580	≤ 10%	5700K	7.2

Walkable Hump PCHM01000





STREET LIGHTING

Superior illumination performance
& Flexibility you need

Lighting Requirements in Streets

When designing or making changes in street lighting, it is important to first understand the light requirements of the road. Street lighting in India is classified in the Indian Standard (BIS, 1981), based on the traffic density of the road (see Table 1). Based on the classification in the code, the Lighting Designer matches the category of road, and designs and provides installation specifications for the street lighting system.

Retrofit or New Installation

Based on the purpose and lighting requirements of the roadway as well as the age of the existing lighting infrastructure, decisions have to be taken whether new design and installation of street lighting is required, or whether project goals can be accomplished by retrofitting the existing lighting system. To retrofit existing street lighting, it must be determined whether existing poles can be used with replacement of only the luminaires.

Retrofitting

Retrofitting is generally considered for energy and maintenance savings. Sometimes it is necessary to retrofit or replace luminaires or a pole – e.g., in cases where light is not distributed correctly, or where a pole has been damaged. Opportunities for significant efficiency improvements are limited in these cases, since the pole location does not change.

New Installation or Replacement

This option involves removing existing street lighting and installing new equipment, or designing and installing a completely new system where street lighting did not previously exist. This option provides greater flexibility in the design with regard to location and number of poles. If a main street improvement project is planned, new poles and lighting fixtures may be the best option for the most effective energy-efficient design of the street lighting system.

Table 1: Classification of Roads (BIS, 1981)

Group	Description
A1	For very important routes with rapid and dense traffic where the only considerations are the safety and speed of the traffic and the comfort of drivers
A2	For main roads with considerable mixed traffic like main city streets, arterial roads, and thoroughfares
B1	For secondary roads with considerable traffic such as local traffic routes, and shopping streets
B2	For secondary roads with light traffic
C	For residential and unclassified roads not included in the previous groups
D	For bridges and flyovers
F	For roads with special requirements such as roads near airports, and railways

Luminaires are Classified Into Three Categories according to the Degree of Glare (BIS, 1981)

Cutoff luminaire:

A luminaire whose light distribution is characterized by rapid reduction of luminous intensity in the region between about 80° and the horizontal. The direction of maximum intensity may vary but should be below 65°. The principal advantage of the cutoff system is the reduction of glare.

Semi-cutoff luminaire:

A luminaire whose light distribution is characterized by a less severe reduction in the intensity in the region of 80° to 90°. The direction of maximum intensity may vary but should be below 75°. The principal advantage of the semi-cutoff system is a greater flexibility in siting.

Non-cutoff luminaire:

A luminaire where there is no limitation on light distribution at any angle. This luminaire is permissible when a certain amount of glare may be accepted (when daytime appearance of the street is important) and when the luminaires are large and have reduced brightness.

Table 2: Recommended Levels of Illumination (BIS, 1981)

Types of Road	Road Characteristics	Average Level of Illumination on Road Surface in Lux	Ratio of Minimum/Average Illumination	Type of Luminaire Preferred
A-1	Important traffic routes carrying fast traffic	30	0.4	Cutoff
A-2	Main roads carrying mixed traffic like city main roads/streets, arterial roads, throughways	15	0.4	Cutoff
B-1	Secondary roads with considerable traffic like local traffic routes, shopping streets	8	0.3	Cutoff or semi-cutoff
B-2	Secondary roads with considerable traffic like local traffic routes, shopping streets	4	0.3	Cutoff or semi-cutoff

Table 3: Specifications for Street Lighting Poles (BIS, 1981)

Section	Overall length 11 m + 25 mm (base plate)			Overall length 9.5 m + 25 mm (base plate)		
	Outside Dia (mm)	Thickness (mm)	Length (mm)	Outside Dia (mm)	Thickness (mm)	Length (mm)
Bottom section	139.7	4.85	5600	165.1	4.85	5000
Middle section	114.3	4.5	2700	139.7	4.5	2250
Top section	88.9	3.25	2700	114.3	3.65	2250
Planting depth	1800 mm			1800 mm		
Nominal weight of the pole	160 kg			147 kg		

Tolerance on mean weight for bulk supply is 7.5 % Tolerance for single pole weight is 10%

Table 4: Mounting Height of Luminaires (BIS, 1981)

Group	A	B	Others (Roads Bordered by Trees)
Recommended Mounting Height	9 to 10 meters	7.5 to 9 meters	Less than 7.5 meters

SPACING

Spacing is the distance, measured along the centre line of the road, between successive luminaires in an installation. To preserve longitudinal uniformity, the space-height ratio should generally be greater than 3.

OUTREACH

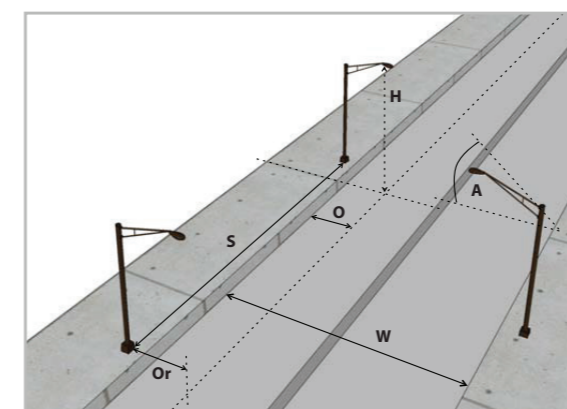
Outreach is the horizontal distance between the centre of the column and the centre of the luminaire and is usually determined for architectural aesthetic considerations.

OVERHANG

Overhang is the horizontal distance between the centre of a luminaire mounted on a bracket and the adjacent edge of a carriage way. In general, overhang should not exceed one-fourth of the mounting height to avoid reduced visibility of curbs, obstacles, and footpaths.



Figure 1: Street Lighting Features (BIS, 1981)



- A: Angle of Tilt
- H: Mounting Height
- O: Overhang
- Or: Outreach
- S: Spacing
- W: Width

SITING OF LUMINAIRES

FOUR FUNDAMENTAL TYPES OF SITING ARRANGEMENTS ARE RECOGNIZED IN STREET LIGHTING (BIS, 1981).

Single side arrangement:

Where all the luminaires are on one side of the road. This is recommended only when the width of the road is equal to or less than the mounting height.

Staggered arrangement:

Where the luminaires are placed on either side of the road in a zigzag formation. This is recommended when the road width is 1 to 1.5 times that of the mounting height.

Opposite mounting:

Where the luminaires are situated on either side of the road opposite to one another. This is advisable for road widths more than 1.5 times that of the mounting height.

Axial mounting:

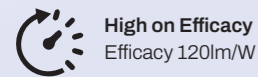
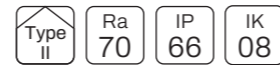
Where the luminaires are placed along the axis of the road. This is recommended for narrow roads the width of which does not exceed the mounting height.

STREET LIGHTING

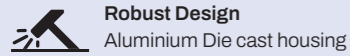
BLOOM PRO

20W/25W/30W/35W/45W/60W

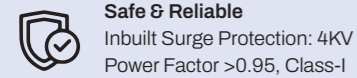
LED streetlight with an innovative, stylish, and durable design, featuring a pressure die-cast aluminium housing, UV-stabilized PC IP lens, and pipe mounting for superior light distribution.



High on Efficacy
Efficacy 120lm/W



Robust Design
Aluminium Die cast housing



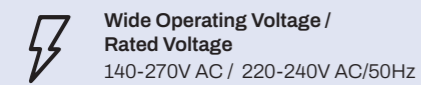
Safe & Reliable
Inbuilt Surge Protection: 4KV
Power Factor >0.95, Class-I



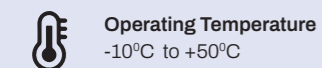
High Performance Electronic Isolated Driver
Potted Driver



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz

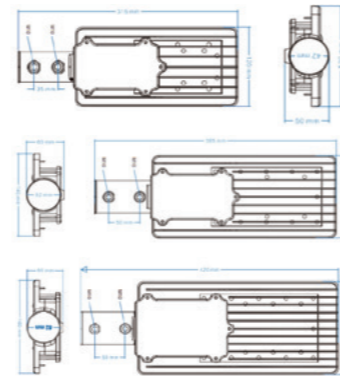


Operating Temperature
-10°C to +50°C

APPLICATIONS

- Parking Area
- Road Lighting
- Residential Colonies
- Internal Road
- Industrial Periphery

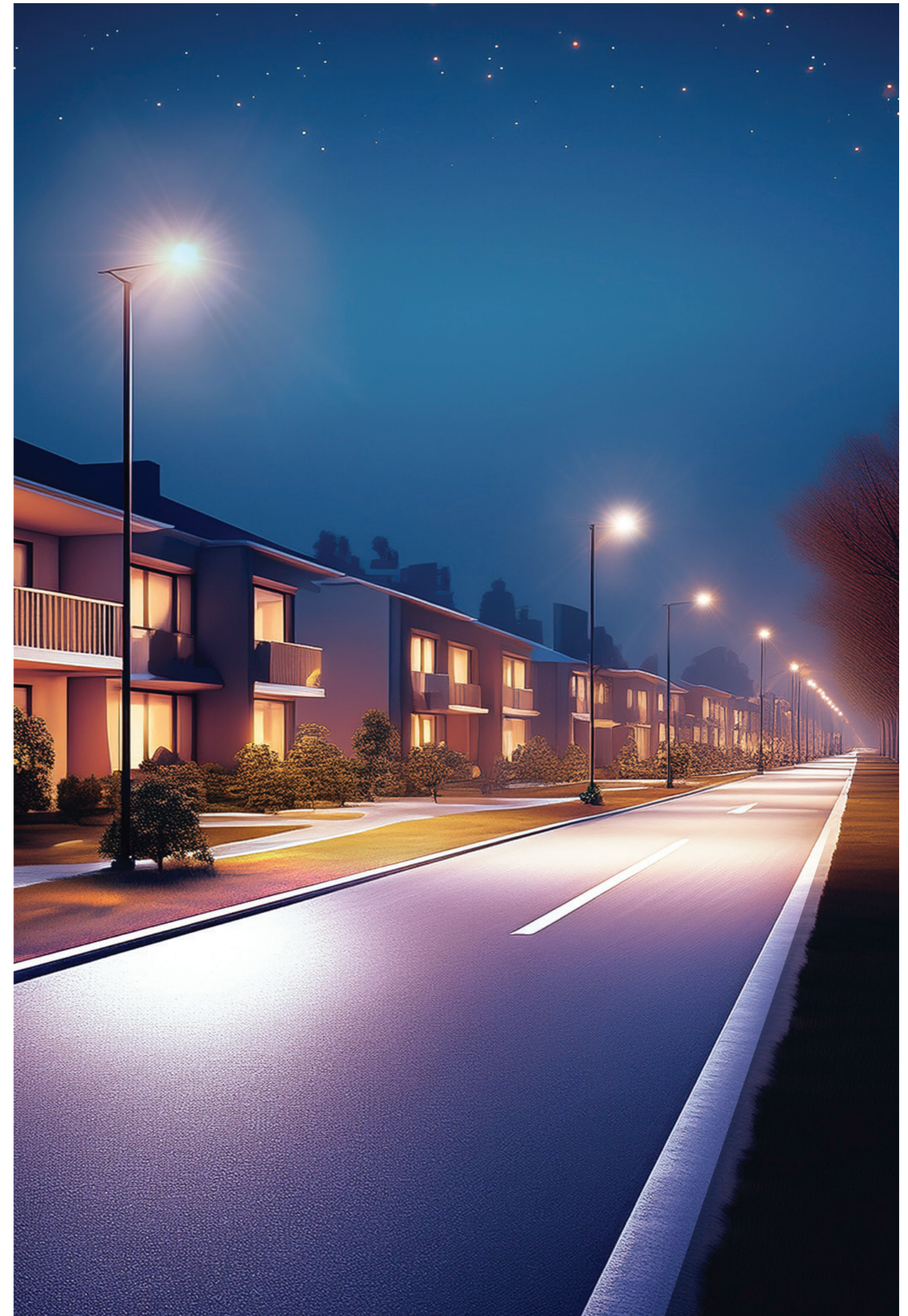
PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (Øxmm)	THD	Colour Temp. (CCT)	Weight (kg)
PSTM29208R1	20W	315x120x50	<10%	5700K	0.68
PSTM29258R1	25W	315x120x50	<10%	5700K	0.68
PSTM29308R1	30W	315x120x50	<10%	5700K	1.06
PSTM29358R1	35W	355x126x60	<10%	5700K	1.06
PSTM29458R1	45W	355x126x60	<10%	5700K	1.27
PSTM29608R1	60W	420x161x60	<10%	5700K	1.35

Pole Dia - Suitable upto 40mm OD

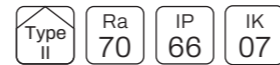


STREET LIGHTING

BLOOM PRO

70W /90W

LED Streetlight with innovative, aesthetic and robust design with pressure die cast aluminium housing with frame and IP PC lens for better light distribution.



High on Efficacy
Efficacy 110lm/W as per BIS tolerance



Robust Design
Innovative, aesthetic and robust design with pressure die cast aluminium housing and UV stabilized IP PC Lens for better light distribution



Safe & Reliable
High Surge Protection: 4kV+10kV SPD inbuilt, Power Factor >0.95



High Performance Electronic Driver
70W and 90W Potted Driver



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz



Operating Temperature
-10°C to +45°C

APPLICATIONS

- Parking Area
- Road Lighting
- IT Parks
- Residential Colonies
- Internal Road
- Industrial Periphery

TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (Øxmm)	THD	Colour Temp. (CCT)	Weight (kg)
PSTM22708R5	70W	330x110x71.5	≤ 10%	5700K	1.5
PSTM22908R2	90W	344x212x97	≤ 10%	5700K	2.5

Pole Dia - Suitable upto 60mm OD

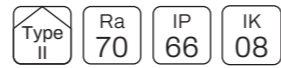


STREET LIGHTING

BLOOM PRO

180W/200W/220W/250W/280W/300W

LED streetlight with an innovative, stylish, and durable design, featuring a pressure die-cast aluminium housing, UV stabilized PC lens along with a customized die casting protective aluminium frame, and pipe mounting for superior light distribution.



High on Efficacy
Efficacy 135lm/W / 140lm/W as per BIS tolerance



Robust Design
Aluminium Die cast housing powder coated in grey



Safe & Reliable
Inbuilt Surge Protection: 4KV
External Surge Protection: 10KV
Power Factor >0.95, Class-I



High Performance Electronic Driver
Constant Current Isolated Integral Driver, for better thermal reliability



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz



Operating Temperature
-10°C to +45°C

APPLICATIONS

- Parking Area
- Road Lighting
- Residential Colonies
- Internal Road
- Industrial Periphery

TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (Øxmm)	THD	Colour Temp. (CCT)	Weight (kg)
PSTM22KL8R4	180W	510x270x95	<10%	5700K	5.2
PSTM22MN8R4	200W	510x270x95	<10%	5700K	5.2
PSTM22OP8R4	220W	510x270x95	<10%	5700K	5.2
PSTM22RS8R4	250W	510x270x95	<10%	5700K	5.2
PSTM22WX8R4	300W	552x330x95	<10%	5700K	7.0
PSTM22UV8R5	280W	552x330x95	<10%	5700K	7.2
PSTM22MN8R5	200W	510x270x95	<10%	5700K	5.2
PSTM22RS8R5	250W	552x330x95	<10%	5700K	7.2

Pole Dia - Suitable upto 50-60mm OD

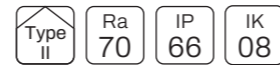


STREET LIGHTING

BLOOM PRO

180W/200W/220W/250W/280W/300W

LED streetlight with an innovative, stylish, and durable design, featuring a pressure die-cast aluminium housing, UV stabilized PC lens along with a customized die casting protective aluminium frame, and pipe mounting for superior light distribution.



High on Efficacy
Efficacy 145lm/W as per BIS tolerance



Robust Design
Aluminium Die cast housing powder coated in grey



Safe & Reliable
Inbuilt Surge Protection: 4KV
External Surge Protection: 10KV
Power Factor >0.95, Class-I



High Performance Electronic Driver
Constant Current Isolated Integral Driver, for better thermal reliability



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 220-240V AC/50Hz



Operating Temperature
-10°C to +45°C

APPLICATIONS

- Parking Area
- Road Lighting
- IT Parks
- Residential Colonies
- Internal Road
- Industrial Periphery

TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (Øxmm)	THD	Colour Temp. (CCT)	Weight (kg)
PSTM22KL8WO	180W	506x266x97	<10%	5700K	5.9
PSTM22MN8WO	200W	506x266x97	<10%	5700K	5.9
PSTM22OP8WO	220W	506x266x97	<10%	5700K	5.9
PSTM22QR8WO	240W	506x266x97	<10%	5700K	5.9
PSTM22WX8WO	300W	552x332x100	<10%	5700K	6.7

Pole Dia - Suitable upto 60mm OD



STREET LIGHTING



Smart Street Lighting System

Traditionally, street lights exist in either "On" or "Off" state leading to wastage of energy, increased costs when over illuminated and cause safety and security hazards when under illuminated.

The intricate requirements of the transportation network demands varied levels of illumination based on ever changing situations. Smart Street light contribute to more liveable cities by helping to improve safety and reduce congestion, reduce energy cost.

The need of the hour is Smart lighting, Lighting that is efficient, can be controlled from a remote location and can be programmed according to one's convenience.

Introducing CONEXION, an intelligent solution to manage all your street lighting needs.

CONEXION street lights can be remotely monitored and controlled by any device having an internet access, program your street lights for changing situations, monitor individual parameters, control dimming, manage assets, generate actionable reports, analyze, optimize and much more.

Usher in the future with CONEXION system today! With Panasonic leading the way, the future is smart and bright.

BENEFITS

Seamless Dimming	Alarms and Events	GIS Mapping	Security	Remote Monitoring and Control	High System Efficacy	Sensor Interface
Communication Agnostic	Tilt Management	Temperature Management	Individual Control	Experience in RF Topology Mapping	Zigbee / Lora & M2M Compatibility	

There are two common ways of automatic smart streetlight :-

1) Group Control Lighting management system

- Controller located in feeder panel and control streetlights distributed on 3 phase under that feeder.
- It can only turn streetlights ON or OFF. This controller communicate with central server using GPRS, received command and execute.

2) Individual addressable streetlight management system

- Central controller can be placed in feeder panel
- Central controller talk to individual streetlight through wireless
- Communication to streetlight can be either turn them ON/OFF or DIM
- These controller also report faults with luminaire.

SYSTEM ARCHITECTURE

Cutoff luminaire

A luminaire whose light distribution is characterized by rapid reduction of luminous intensity in the region between about 80° and the horizontal. The direction of maximum intensity may vary but should be below 65°. The principal advantage of the cutoff system is the reduction of glare.

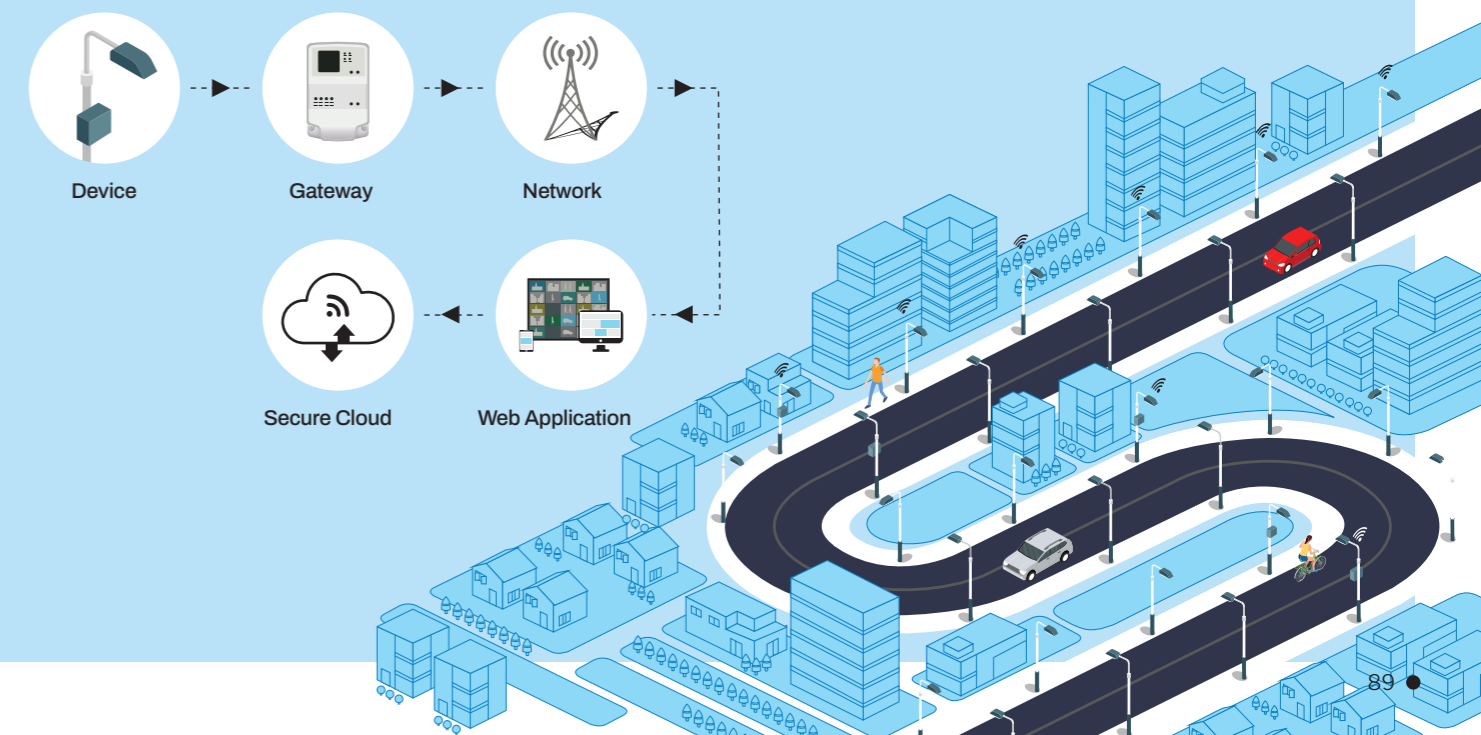
Semi-cutoff luminaire

A luminaire whose light distribution is characterized by a less severe reduction in the intensity in the region of 80° to 90°. The direction of maximum intensity may vary but should be below 75°. The principal advantage of the semi-cutoff system is a greater flexibility in siting.

Non-cutoff luminaire

A luminaire where there is no limitation on light distribution at any angle. This luminaire is permissible when a certain amount of glare may be accepted (when daytime appearance of the street is important) and when the luminaires are large and have reduced brightness.

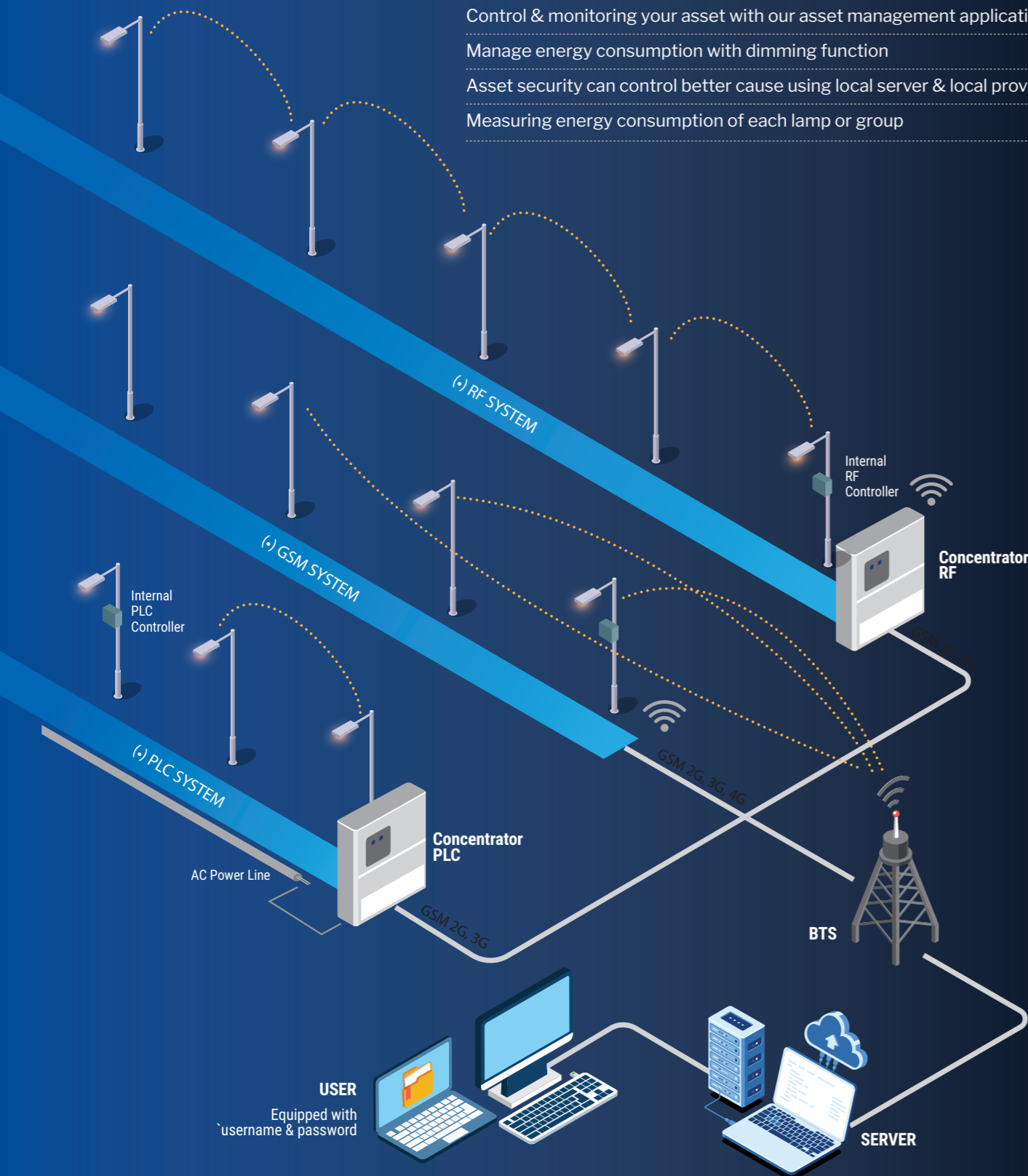
LED SMART STREET LIGHT	DASHBOARD, REPORTS & ANALYTICS	USER & ASSET MANAGEMENT	WEB APPLICATION
<ul style="list-style-type: none"> Excellent energy efficient performance IK10, IP66, separate optical & control compartments Potted driver, IP67 Lamp controller IP67 with lighting protection 	<ul style="list-style-type: none"> Powerful dash boarding Generate actionable reports Export logs and reports Predict your maintenance activity 	<ul style="list-style-type: none"> Manage user permissions Generate multiple projects Tag assets and monitor individual parameters Sort by street, category and groups 	<ul style="list-style-type: none"> Secure and safe Intuitive user interface Scalable, flexible & responsive Access via PC, tablet or phone



SMART STREET LIGHTING

Hybrid System Panasonic is combination from 3 systems (GSM, RF and PLC)

- Control & monitoring your asset with our asset management application
- Manage energy consumption with dimming function
- Asset security can control better cause using local server & local provider
- Measuring energy consumption of each lamp or group



TYPICAL USING SMART STREET LIGHT

With Panasonic Smart System, we can use street light more flexible, with GSM, RF-GSM and PLC-GSM.

GSM

- Separately, with minimalist totally of the lamp, such as 1-10 lamp.
- Lamp must be in good signal condition.
- No need panel controller.

RF - GSM

- More efficient in grouping area, 1 Concentrator can control until 200 luminaire.
- Can working in areas where the GSM signal is unequal.
- Such as subway, underpass, tunnel, etc.
- Equipped with measurement and control features in the Concentrator panel.

PLC - GSM

- More efficient in grouping area with a wiring standard. 1 Concentrator can control more than 200 luminaire. And suitable in street such as street at the mountain.
- PLC with internal controller suitable to use in the pole with constant distance.
- PLC with external controller suitable to use in the pole with not constant distance.
- Can working in areas where the GSM signal is unequal, because using cable for the communication
- Communication of the lamp using cable PJU and not easily distracted from external signal

From the advantages and disadvantages of each TECHNOLOGY of the LIGHTS, HYBRID TECHNOLOGY more suitable to complete each other, so that is a RELIABLE system.

CONCLUSION

Hybrid Technology is integrated of system GSM, system RF-GSM and system PLC-GSM so that it can be easily applied to all areas can be easily to control of the lamp from web using internet.

FEATURES

	GSM	RF (Zigbee - GSM)	PLC-GSM
Distance	-20to30km (Lamp to BTS)	- 1 50m (Lamp 'Lamp) (Lamp to DCU)	- 1 00m (Lamp to Lamp) (Lamp to DCU)
Structure	Client - Server	Mesh, Star, Ad HOC, P2P	Power line communication
Frequency	900Mhz - 1800Mhz	RF: 2.4Ghz / ISM band (Country specific) GSM: 900Mhz - 1800Mhz	PLC: Primary - 125 - 140kHz PLC: Secondary - 95 - 125 kHz GSM: 900Mhz - 1800Mhz
Speed	86.5Kbps - 1 OM bps	256Kbps	5.5Kbps
Nos of Lamps	1 Ok to 15k lamps/BTS	150-200 lamps in group/DCU	150-200 lamps in group/DCU
Remarks	1. Can be used where public GSM is present 2. Communication depends upon weather conditions and network congestion 3. High Network Subscription cost	1. Unlicensed band 2. Additional DCU required 3. Low network subscription cost	1. Communication depends upon the existing wiring network 2. Additional DCU required 3. Low network subscription cost

STREET LIGHTING

conexion

SMART SYSTEM STREET LIGHT

Introducing "CONEXION", an Intelligent solution to manage all your street lighting needs.

Conexion - street lights can be remotely monitored and controlled by any device having internet access.

Data shared by Intelligent Street Lighting solutions don't just show what's happening today, they can also predict what might happen tomorrow, helping cities plan more effectively for the future.



SPECIFICATIONS

Input Power	60W	90W	120W	200W
Color Temperature		5700K		
VAC Input		220-240 VAC		
Frequency		50 Hz		
Power Factor		> 0.95		
THD		≤ 10%		
IP Module		IP66		
IP Driver		IP66		
IP Lamp		IP66		
Cover Lens		IK-07		
Body		Die Casting Aluminium		
Life Time		Life: 50,000 BH @ L70B50		
Max Surge		4KV + 10KV SPD inbuilt		
Dimmable		0 - 100%		
Dimension LxWxH (mm)	362x232x72	362x232x87	445x280x80	535x265x95
Diameter Hole Pole		Φ 71mm		
Weight	3 Kg	3 Kg	4.4 Kg	5.7 Kg
Remark	1. Control each lamp or group 2. Certificate and testing report 3. Complete and available spare parts			

Pole Dia: 60W - Suitable upto 45mm OD; 90W, 120W, 200W - Suitable upto - 60mm OD

* Images and photographs shown herein are indicative only. We reserve the right to make changes in the data/details without prior notice.

CLOUD APPLICATION OVERVIEW



User Login



Project & User Control



Street Lighting Configuration

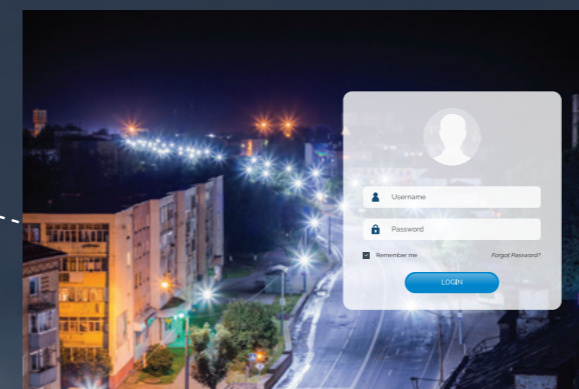


Direct Monitoring Lamp Condition



Reporting & Evaluation

SYSTEM INTERFACE



User Login



System Home





FLOOD LIGHTING

Where performance meets precision lighting

Flood lights are used to illuminate a wide area while projecting a broad angle. Be it hoardings, stadiums, tall buildings, with flood light luminaire, you can cover a wider range of surface when mounted at a well-defined and proper position.

Purpose of Flood Light:

Area lighting

Looking to light up larger areas such as recreational spots, yards, parking lots etc.? Flood lights are what you need. While the potential spill light and problems like glare control do not make it ideal for a pedestrian or urban-scale lighting, in high mast lighting systems, this is the best solution for you. They are usually installed in places away from residential complexes, healthcare institutions, and hotels.

Aim flood lights from the headframe of the high mast such that the area that needs most illumination is best lit. Make sure the high mast systems are such placed that they are at a distance from the target area; this way the interference with the area is minimal. Light distribution patterns and lumen packages can be such designed to work best with the high mast system.



SPORTS LIGHTS

Among the key areas that find the best application of flood lights is sports. Stadiums, arenas and other outdoor facilities used for a variety of sports like cricket, football, tennis, motorsports etc. can be lit uniformly with flood lights. Herein, direct distribution flood lights are used for there usually are no structures for overhead light fixtures to be mounted on or surface for the bounced light from the playing area to be directed.

Several factors must be kept in mind while designing sports lighting. Some of these include mounting heights, light distribution, proper illuminance values, orientations among others.

Lighting here is provided from several directions to ensure proper visibility and modeling of the athletes; all these with obtrusive light and shadows being minimal.

AESTHETIC LIGHTS

To create drama, add beauty, dimension, depth, texture, space, and focal points in a landscape area, you need floodlighting. With flood lights key architectural elements of structures can be highlighted.

Through wash lighting, moonlighting, uplighting, silhouetting, spotting, and shadowing, softscape lighting for natural objects like trees and plants landscaping a building or area can be achieved.

A wide range of options remain open when it comes to lighting techniques for the most aesthetic result.



FACADE & STRUCTURE LIGHTS

When accentuating the significant architectural features of a structure, architectural floodlighting luminaires offer wall washing that illuminates complete walls uniformly, wall grazing to highlight certain elements of a vertical surface, and accent lighting that adds visual drama.

Enhance the charm, create fantastic impressions for structures with flood lights.



SECURITY LIGHTS (BORDER LIGHTS)

Flood lights are also useful when it comes to security lighting when installed at the perimeters of buildings and facilities used for residential, industrial or commercial purposes.

Such lighting often keeps anti-social activities in check offering a secure environment. Perimeter illumination provided by wide beam flood lights deter unwanted elements and activities, improve visibility and observation, and best support the use of other security devices.



INDUSTRIAL OUTDOOR LIGHTS

Floodlighting is also immensely helpful when lighting industrial parks and outdoor manufacturing facilities. Think refineries, rigs, chemical plants etc.

Area and task lighting become critical in such spaces because of the general atmosphere of high levels of humidity, vapours that are flammable, presence of materials often hazardous.

BILLBOARD LIGHTS

When providing light across billboards covering every edge and corner, flood lights are your best bet. It is particularly useful so the message on the billboards make a better impression on its audience in the night.

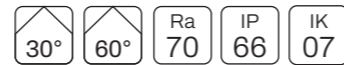


FLOOD LIGHTING

FLANO

250W/300W/350W/500W

Flood light luminaire comprises of pressure die cast aluminium housing (ADC 12) with frame and toughened glass, cradle mounting.



High on Efficacy
Efficacy 125lm/W, 120lm/W



Robust Design
Innovative, aesthetic and robust design with toughened glass and PC lens for better light distribution



Safe & Reliable
High Surge Protection: 4kV+10kV
Power Factor >0.95



High Performance Electronic Driver
Potted driver for better thermal reliability, easy maintenance



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 240V AC/50Hz



Operating Temperature
-10°C to +45°C

APPLICATIONS

- Signboards
- Buildings & Monuments
- Billboards
- Shopboards
- Factories & Assembly Lines
- Security & Perimeter Lighting

TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	Dimension LXWXH	THD	Colour Temp. (CCT)	Weight (kg)
PFLM18RS8R1	250W	485x198x172	≤ 10%	5700K	8.4
PFLM18WX8R1	300W	485x198x172	≤ 10%	5700K	8.4
PFLM20ZC8R1	350W	600x325x175	≤ 10%	5700K	16.0
PFLM20ZS8R1	500W	600x325x175	≤ 10%	5700K	16.0
PFLM20ZS8HR1	500W	600x325x175	≤ 10%	5700K	16.0



FLOOD LIGHTING

FLANO PRO

90W

Flood light luminaire comprises of die cast aluminium housing with toughened glass and PC lens, cradle mounting.



High on Efficacy
Efficacy > 100lm/W



Robust Design
Innovative, aesthetic and robust design with toughened glass and PC lens for better light distribution



Safe & Reliable
High Surge Protection: 4kV+10kV
Power Factor >0.95



High Performance Electronic Driver
Potted driver for better thermal reliability, easy maintenance



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 240V AC/50Hz

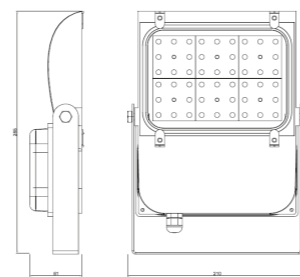


Operating Temperature
-10°C to +45°C

APPLICATIONS

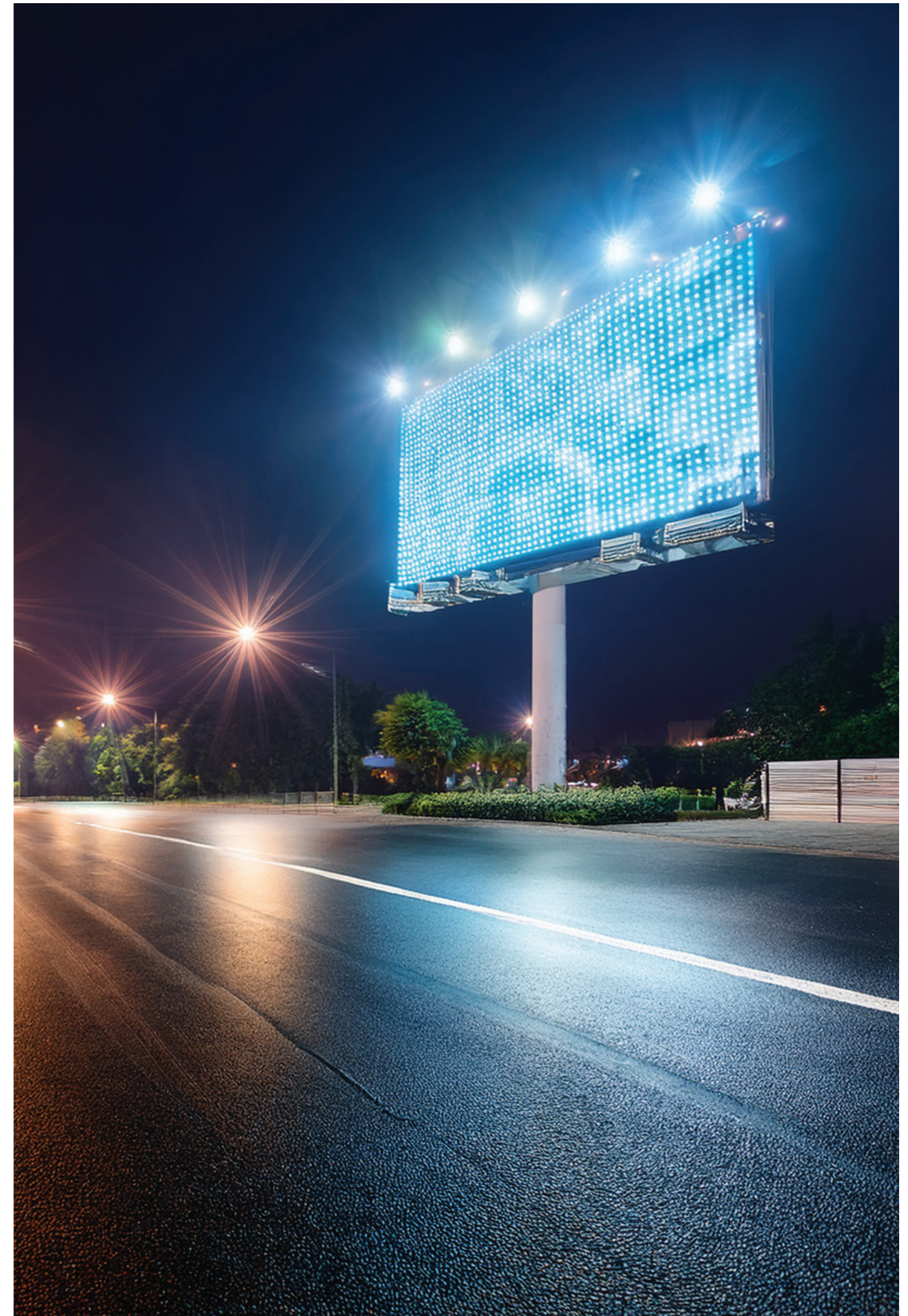
- Signboards
- Buildings & Monuments
- Billboards
- Shopboards
- Factories & Assembly Lines
- Security & Perimeter Lighting

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	Dimension LXWXH	THD	Colour Temp. (CCT)	Weight (kg)
PFLM18908	90W	285x210x61	≤ 10%	5700K	2.9
PFLM19908	90W	285x210x61	≤ 10%	5700K	2.9

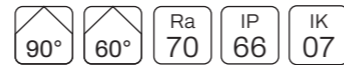


FLOOD LIGHTING

FLANO PRO

100W/150W/200W

Flood light luminaire comprises of die cast aluminium housing with frame/frameless, toughened glass with PC lens, cradle mounting.



High on Efficacy
Efficacy 100lm/W, 110lm/W, 125lm/W



Robust Design
Innovative, aesthetic and robust design with toughened glass and PC lens for better light distribution



Safe & Reliable
High Surge Protection: 4kV+10kV
Power Factor >0.95



High Performance Electronic Driver
Potted driver for better thermal reliability, easy maintenance



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 240V AC/50Hz



Operating Temperature
-10°C to +45°C

APPLICATIONS

- Signboards
- Buildings & Monuments
- Billboards
- Shopboards
- Factories & Assembly Lines
- Security & Perimeter Lighting

TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	Dimension LXWXH	THD	Colour Temp. (CCT)	Weight (kg)
PFLM18AB8	100W	285x210x72	≤ 10%	5700K	3.0
PFLM18FG8	150W	350x285x85	≤ 10%	5700K	5.5
PFLM18FG8R1	150W	325x258x72	≤ 10%	5700K	4.6
PFLM18MN8	200W	350x285x85	≤ 10%	5700K	5.5
PFLM18MN8R1	200W	350x285x85	≤ 10%	5700K	5.5

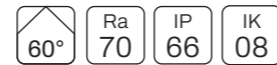


FLOOD LIGHTING

FLANO PRO

100W/120W/150W/200W

Flood light luminaire comprises of Pressure die cast aluminium housing with aerodynamic heat sink designed for better Heat Dissipation, UV stabilized PC IP lens, cradle mounting.



High on Efficacy
Efficacy 120lm/W



Robust Design
Aluminium die cast housing powder coated in umbra grey



Safe & Reliable
High Surge Protection: 4kV
External Surge Protection: 10KV
Power Factor >0.95, Class I



High Performance Electronic Driver
Constant Current Isolated Integral Driver
Potted driver for better thermal reliability



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 240V AC/50Hz

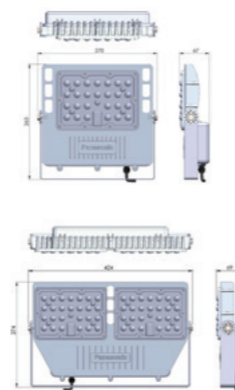


Operating Temperature
-10°C to +45°C

APPLICATIONS

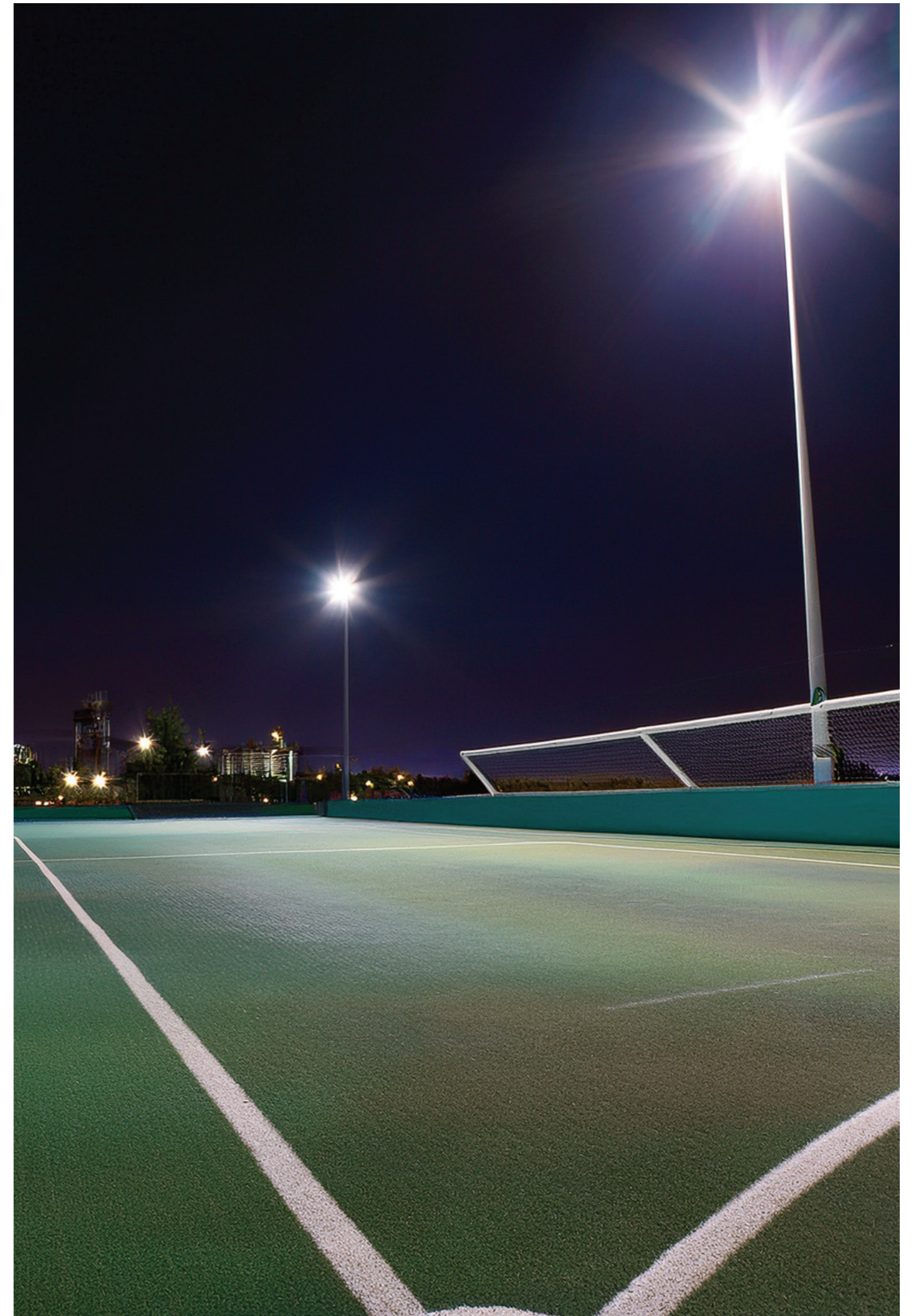
- Signboards
- Buildings & Monuments
- Shopboards
- Factories & Assembly Lines
- Security & Perimeter Lighting

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	Dimension LXWXH	THD	Colour Temp. (CCT)	Weight (kg)
PFLM26AB8R1	100W	270x263x67	<10%	5700K	2.5
PFLM26CD8	120W	270x263x67	<10%	5700K	2.5
PFLM26FG8	150W	424x274x69	<10%	5700K	3.3
PFLM26MN8	200W	424x274x69	<10%	5700K	3.3

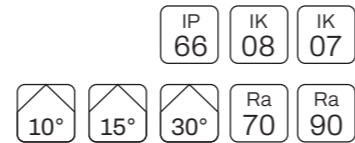


FLOOD LIGHTING

FLANO PRO

1000W/1600W

The flood light luminaire features a durable, pressure die-cast aluminium housing with a frameless toughened glass IP lens with frame design for enhanced light output. It includes a precision PC lens for optimal angle distribution and a mounting cradle with angle markings for easy installation.



High on Efficacy
Efficacy > 110lm/W, 115lm/W, 120lm/W



Robust Design
Aluminium die cast housing/aluminium alloy forged housing powder coated in umbra grey



Safe & Reliable
High Surge Protection: 4kV
External Surge Protection: 10kV & 20kV (in 1600W), Power Factor >0.95, Class I



High Performance Electronic Driver
Constant Current Isolated/Non-isolated Potted driver for better thermal reliability



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 240V AC/50Hz

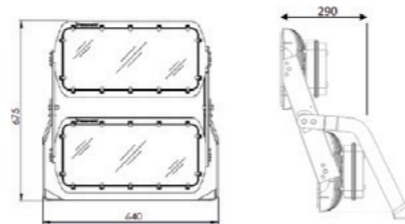


Operating Temperature
-10°C to +45°C

APPLICATIONS

- Signboards
- Buildings & Monuments
- Billboards
- Factories & Assembly Lines
- Security & Perimeter Lighting
- Stadium, Playgrounds (Domestic & International)

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	Dimension LXWXH	THD	Colour Temp. (CCT)	Weight (kg)
PFLM201008HR1	1000W	676x640x290	<10%	5700K	31
PFLM201008R1	1000W	676x640x290	<10%	5700K	31
PFLM2010008HR1N	1000W	676x640x290	<10%	5700K	23+8 (Driver)
PFLM2010008R1N	1000W	676x640x290	<10%	5700K	23+8 (Driver)
PFLM321600810N	1600W	600x540x470	<10%	5700K	20

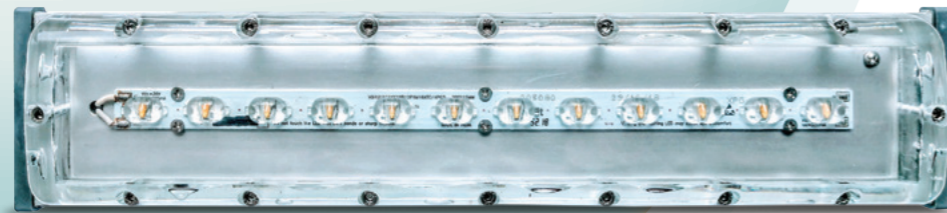


FLOOD LIGHTING

VIA DUCT

20W/30W/45W

LED via duct / tunnel light comprises of extruded aluminium housing with PC moulded diffuser and adjustable mounting arrangement with tilt arrangement of $\pm 60^\circ$. This luminaire is designed for general purpose application like tunnel, railway & motors, etc.



Ra 70 IP 66 IK 10



High on Efficacy
Efficacy > 110lm/W, 115lm/W, 120lm/W



Robust Design
Aluminium die cast housing/aluminium alloy forged housing powder coated in umbra grey



Safe & Reliable
High Surge Protection: 4kV
External Surge Protection: 10kV & 20kV (in 1600W), Power Factor >0.95, Class I



High Performance Electronic Driver
Constant Current Isolated/Non-isolated Potted driver for better thermal reliability



Higher Life
Life: 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 240V AC/50Hz

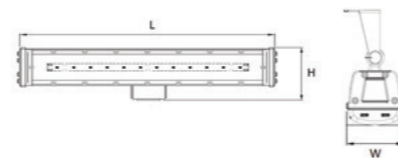


Operating Temperature
-10°C to +45°C

APPLICATIONS

- Railways
- Metro
- Tunnel

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	Dimension LXWXH	THD	Colour Temp. (CCT)	Weight (kg)
PVDM01208	20W	375x80x107.5	<10%	5700K	1.87
PVDM01308	30W	375x80x107.5	<10%	5700K	1.87
PVDM01458	45W	452x80x123	<10%	5700K	1.87



LANDSCAPE LIGHTING

Creating meaningful lighting for outdoor space

The perfect lighting solution illuminates the outdoors aesthetically and completely with functional benefits. If you are looking to highlight certain aspects of your layout while ensuring smooth operations of the lights, choose our landscape lighting.

With our products, you have the right lighting to illuminate a private space of your own or public areas. Choose to up the aesthetics of a chosen area, up to safety and accessibility. Be it any event, brighten it up with Panasonic Post Top and Bollards.



POST TOP

When lighting an outdoor space, post-top lights are key. They work best when lit up in a pathway or gardens. While illuminating the space, ambient lighting that is uniform up visibility thereby improving safety.



ILLUMINATE & BEAUTIFY

Light up paths and structures while not compromising on the aesthetics. Bring to attention every detail choosing from a variety of features, styles and finishes. Add drama, highlight key features of the space with the varied options available matching your aesthetic sense.

FUNCTIONALITY & EASE

The right lighting not just adds charm but also creates a space that is functional. It offers several options for you to create lighting effects that are unique. Think different colour temperatures and fixtures. All these with features that ensure ease of use and control.



BOLLARD

Low illumination close to the ground offered by bollard lighting help pedestrians see better. Designed for precision, you have control over all lighting aspects, be it direction or colour. Easy installation and low maintenance are added benefits.



UNCOMPROMISED SAFETY

Safety is paramount. While you add a never-before beautiful illuminated look to your spaces, be assured of safety. Adequate and essential lighting makes sure pathways, decks and other areas remain safe for use.

COMPLETE SECURITY

Be at ease with Panasonic Landscape Lighting when it comes with extra security at night. This perfect lighting can beautify the garden faintly, glow spots making for a well-lit space.



LANDSCAP LIGHTING

LED POST TOP

SANDO

40W

Aesthetically designed IP65 LED Post Top light luminaire comprises of spun aluminium top cover, die cast aluminium heat sink, frosted polycarbonate diffuser and die cast mounting base arm.



Ra 70 IP 65 IK 05



High on Efficacy
115 lm/W available in 5700K CCT
100 lm/W available in 4000K CCT



Robust Design
Powder coated spun aluminium top cover with die cast mounting base



Safe & Reliable
High Surge Protection: 4kV
External Surge Protection of 10kV



Weather Proof
IP65 Protection



Long Life
Specially designed heat sink for long life of 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 240V AC/50Hz

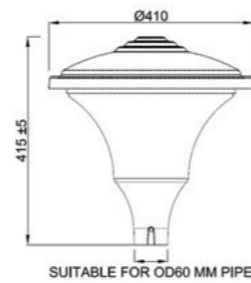


Operating Temperature
-10°C to +45°C

APPLICATIONS

- Garden
- Parks
- Shopping Complex
- Malls
- Walkways
- Commercial Building Area & Compounds

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PPTM02408R1	40W	Ø410x415	≤10	5700
PPTM02404R1	40W	Ø410x415	≤10	4000

Pole Dia - Suitable upto 60mm OD



LANDSCAP LIGHTING

LED POST TOP

KINOKO

20W

Aesthetically designed IP65 LED Post Top light luminaire comprises of spun aluminium top cover, aluminium heat sink, frosted polycarbonate diffuser and die cast aluminium mounting base.



Ra 70 IP 65 IK 05



High on Efficacy
100 lm/W available in 5700K CCT
80 lm/W available in 4000K CCT



Robust Design
Powder coated spun aluminium top cover with die cast mounting base



Safe & Reliable
High Surge Protection: 4kV



Weather Proof
IP65 Protection



Long Life
Specially designed heat sink for long life of 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 240V AC/50Hz

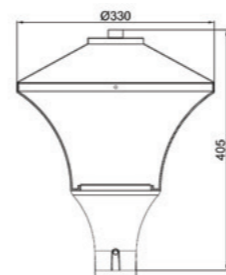


Operating Temperature
-10°C to +45°C

APPLICATIONS

- Garden
- Parks
- Shopping Complex
- Malls
- Walkways
- Commercial Building Area & Compounds

PRODUCT DIAGRAM



SUITABLE FOR ØD60 MM PIPE

TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PPTM02208	20W	Ø330x405	≤10	5700
PPTM02204	20W	Ø330x405	≤10	4000

Pole Dia - Suitable upto 60mm OD



LANDSCAP LIGHTING

LED POST TOP

KYYNEL

60W/70W

Aesthetically designed IP65 LED Post Top light luminaire comprises of spun aluminium top cover, die cast aluminium heatsink, opal pmma acrylic diffuser and die cast mounting base arm.



Ra 70 IP 65 IK 05



High on Efficacy

110 lm/W, 105 lm/W available in 5700K CCT
100 lm/W, 95 lm/W available in 4000K CCT



Robust Design

Powder coated spun aluminium top cover with die cast mounting base



Safe & Reliable

High Surge Protection: 4kV
External Surge Protection of 10kV



Weather Proof

IP65 Protection



Long Life

Specially designed heat sink for long life of 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage

140-270V AC / 240V AC/50Hz



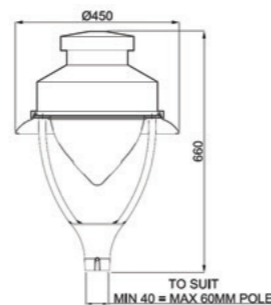
Operating Temperature

-10°C to +45°C

APPLICATIONS

- Garden
- Parks
- Shopping Complex
- Malls
- Walkways
- Commercial Building Area & Compounds

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PPTM02604R1	60W	Ø450x660	≤10	4000
PPTM02608R1	60W	Ø450x660	≤10	5700
PPTM02704R1	70W	Ø450x660	≤10	4000
PPTM02708R1	70W	Ø450x660	≤10	5700

Pole Dia - Suitable upto minimum 40mm OD & maximum 60mm OD



LANDSCAP LIGHTING

LED POST TOP

FANAL

40W/60W

Aesthetically designed IP65 LED Post Top light luminaire comprises of spun aluminium top cover, die cast aluminium heatsink, opal polycarbonate diffuser and die cast mounting base arm.



Ra 70 IP 65 IK 05



High on Efficacy
90 lm/W available in 5700K CCT
80 lm/W available in 4000K CCT



Robust Design
Powder coated spun aluminium top cover with die cast mounting base



Safe & Reliable
High Surge Protection: 4kV
External Surge Protection of 10kV



Weather Proof
IP65 Protection



Long Life
Specially designed heat sink for long life of 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 240V AC/50Hz

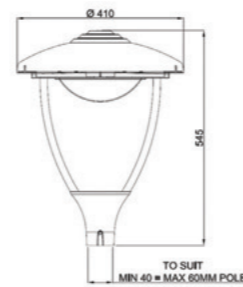


Operating Temperature
-10°C to +45°C

APPLICATIONS

- Garden
- Parks
- Shopping Complex
- Malls
- Walkways
- Commercial Building Area & Compounds

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PPTM03404R1	40W	Ø410x545	≤10	4000
PPTM03408R1	40W	Ø410x545	≤10	5700
PPTM03604R1	60W	Ø410x545	≤10	4000
PPTM03608R1	60W	Ø410x545	≤10	5700

Pole Dia - Suitable upto minimum 40mm OD & maximum 60mm OD



LANDSCAP LIGHTING

LED BOLLARD

BORADO

10W

Aesthetically designed IP65 LED Bollard luminaire comprises of galvanised extruded mild steel pipe housing with opal polycarbonate diffuser and aluminium mounting base.



Ra 70 IP 65 IK 05



High on Efficacy
90 lm/W available in 5700K CCT
85 lm/W available in 4000K CCT



Robust Design
Perfect Light Distribution



Safe & Reliable
High Surge Protection: 4kV
Power Factor >0.95



Weather Proof
IP65 Protection



Long Life
Specially designed heat sink for long life of 50,000 BH @ L70B50



Wide Operating Voltage / Rated Voltage
140-270V AC / 240V AC/50Hz

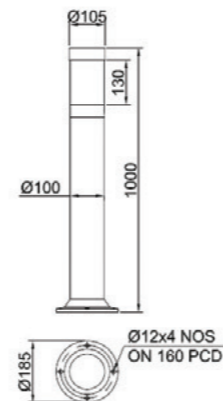


Operating Temperature
-10°C to +45°C

APPLICATIONS

- Illuminating pathways
- Gardens
- Commercial Complex
- Hotels
- Malls

PRODUCT DIAGRAM



TECHNICAL SPECIFICATION

Product Code	System Wattage (W)	LxWxH (mm)	THD	Colour Temp. (CCT)
PBDM03104	10W	180xØ105x1000	≤10	4000
PBDM03108	10W	180xØ105x1000	≤10	5700

Pole Dia - Suitable upto 60mm OD





FAÇADE AND ARCHITECTURE LIGHTING

Redefine skylines.
Illuminate identity.

Facade Lighting increases the aesthetic value and appeal of a space. It uses various lighting techniques that enhance minute architectural details of a building. Often its used for branding, wherein shelves, signs and entrances are brightly light up for grabbing attention of onlookers.

These lights, if used properly, gives a different look and feel to any ambience, architecture or display.



How does Façade Lighting work?

Façade lights make a space look more beautiful. Lights consume energy and sometimes have too much brightness. Therefore, façade lighting is essential for any lighting designer to bring out the beauty of a building in a cost effective manner.

Types of Façade Lighting

ARCHITECTURAL FACADE LIGHTING

A well-placed façade light gives a three-dimensional impression to a structure, especially at night. This customized lighting gives the structure a unique look. The color of light, the use of different luminaires, the direction of the luminaires and the building are the factors to be considered while using this lighting solution.

EMOTIONAL FACADE LIGHTING

Light that can shape a building or environment or emotional façade. Color injected characters and light patterns are placed on simple buildings. This changes the natural feel of the building to an emotionally perceived one. It triggers the imagination of onlookers and transports them into a different space.

COMMUNICATIVE FACADE LIGHTING

Information is conveyed to onlookers by use of communicative façade lighting. This lighting is used for presenting brands, messages and values.



LIGHTING TECHNIQUES FOR FACADES

The appearance of a structure or building is all thanks to the lighting techniques used. The various techniques used to enlighten the façade, attract attention and enhance the structure are as follows:

DIRECT VIEW

Direct view is a lighting technique best employed for glazed facades. It places emphasis on the exterior and brightens the façade.

GRAZING

Commercial constructions bank on grazing for better illumination. Light fixtures are placed next to the façade with maximum illumination at the bottom and a little less or declining on the top.

WASHING

Washing lighting is used for flat façade buildings. It makes the façade look more impressive by throwing an even distribution of light upon it. It gives the façade an excellent finish.

ACCENTUATING

Lighting fixtures are placed closely. It has been designed for openings and columns. Highlighting the columns separates it from the façade. If positioned upwards, these lights can highlight the total number of columns. If positioned downwards, it highlights the base area.

FLOODING

This lighting technique illuminates facades by casting heavy shadows. Placing light fixtures very close to one another does this, which in turn gives a three-dimensional look.

FAÇADE AND ARCHITECTURE LIGHTING

FLOOD LIGHT RGB/RGBW



FEATURES

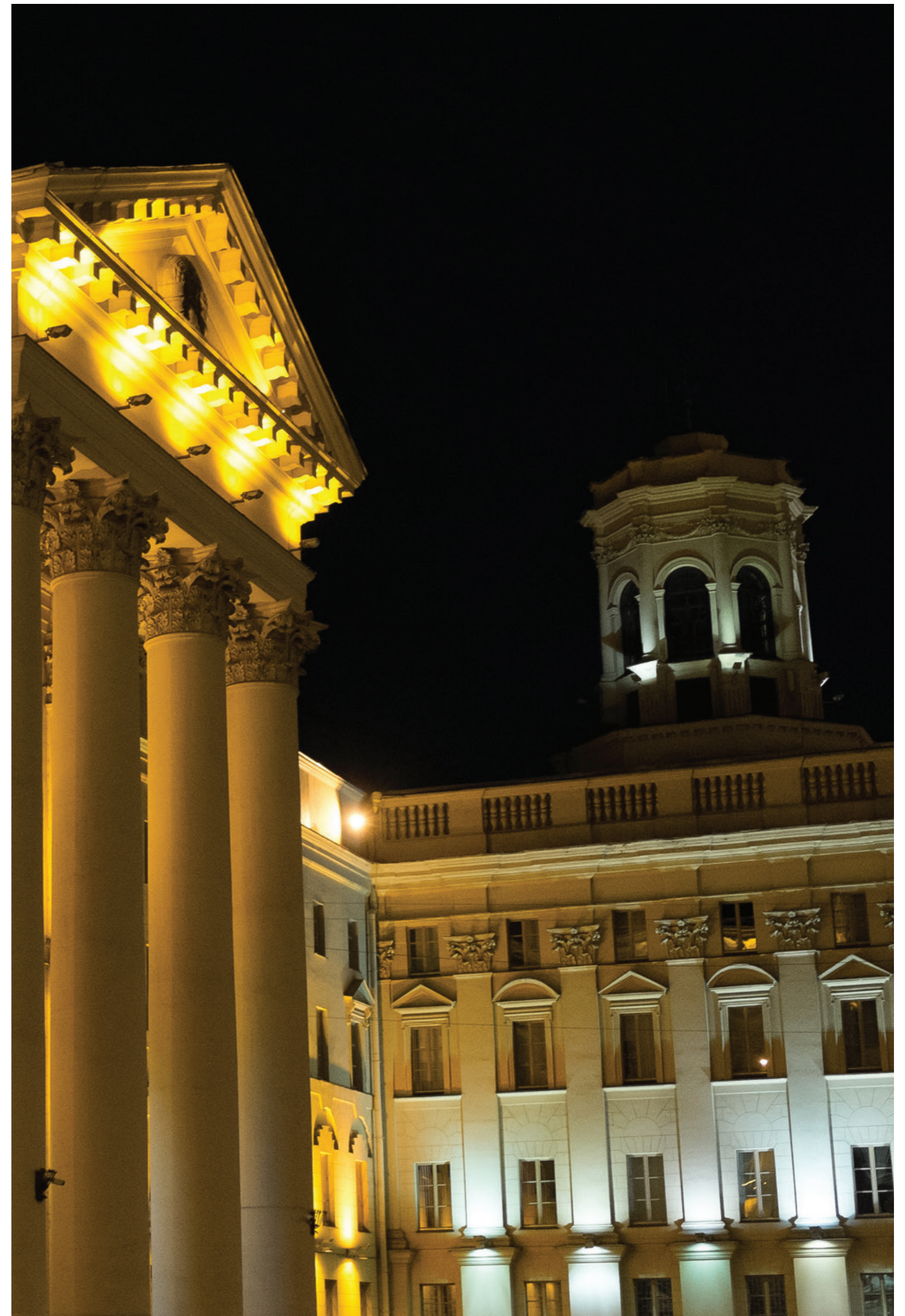
- Aluminum die-casting body with powder coated
- Tempered glass cover
- DMX512 : RDM Control
- Adjustable light pedestal, Angle 180° Adjustable
- Power supply wiring concealed in IP68 junction box
- Life Time 50.000 BH

APPLICATIONS

Model No. Guide	ex. PFLM22 24 RGB 08			
Family	Wattage		Colour	Beam Angle
PFLM22	24	- 24W	RGB	08 - 8°
	64	- 64W	RGBW	12 - 12°
	FG	- 150W		24 - 24°
	WX	- 300W		36 - 36°
	XY	- 450W		60 - 60°
				1060 - 10x60°
				1540 - 15x40°
				10 - 10°
				30 - 30°
				60 - 60°

SPECIFICATION

Model	PFLM2224	PFLM2264	PFLM22FG	PFLM22WX	PFLM22XY
Wattage	24W	64W	150W	300W	450W
Input Voltage	AC 220 - 240V				
Colour	RGB / RGBW				
Beam Angle	8°, 12°, 24°, 36°, 60°, 10x60°, 15x40°		10°, 30°, 60°		
Control	DMX512				
Power Factor	> 0.9				
Life Time	> 50,000 BH				
IP	IP 66				
Working Temp	-10° to 45°C				



FAÇADE AND ARCHITECTURE LIGHTING

FLOOD LIGHT

Constant Light
2700-6500K



15W



45W



86W



180W



280W

FEATURES

- Aluminum die-casting body with powder coated
- Tempered glass cover
- Adjustable light pedestal, Angle 180° adjustable
- Power supply wiring concealed in IP68 junction box
- Life time 50.000 BH

APPLICATIONS

Model No.	Guide	ex. PFLM22 15 27 08				
PFLM22						
Family	Wattage Colour		Beam Angle			
PFLM22	15	- 15W	27	- 2700K	08	- 80
	45	- 45W	40	- 4000K	12	- 120
			65	- 6500K	24	- 240
	86	- 86W			36	- 360
	KL	- 180W			60	- 600
	UV	- 280W			1060	- 10x600
					1540	- 15x400
					10	- 100
					30	- 300
					60	- 600

SPECIFICATION

Model	PFLM2215	PFLM2245	PFLM2286	PFLM22KL	PFLM22UV
Wattage	15W	45W	86W	180W	280W
Input Voltage	AC 220 - 240V				
Colour	Constant Colour : 2700-6500K				
Beam Angle	8°, 12°, 24°, 36°, 60°, 10x60°, 15x40°		10°, 30°, 60°		
Control	Constant Light				
Power Factor	> 0.9				
Life Time	> 50,000 BH				
IP	IP 66				
Working Temp	-10° to 45°C				



FAÇADE AND ARCHITECTURE LIGHTING

FLOOD LIGHT

Constant Light
2700-6500K

24W



72W



FEATURES

- Aluminum alloy body with powder coated
- The simplified bracket can be flexibly adjusted
- Bracket size can be customized
- DMX512 : RDM control
- Has scale on end cover to adjust beam angle
- Life time 50,000 BH

APPLICATIONS

Model No. Guide	ex. PLGM01 24 RGB 1060			
PLGM01				
Family	Wattage		Colour	Beam Angle
PLGM01	24	- 24W	RGB	12° - 120
	72	- 72W	RGBW	1060° - 10x60° 1530° - 15x30°

SPECIFICATION

Model	PLGM0124	PLGM0172
Wattage	24W	72W
Input Voltage	DC 24V, Driver: AC 220-240V	
Colour	RGB / RGBW	
Beam Angle	12°, 10x60°, 15x30°	
Control	DMX512	
Power Factor	> 0.9	
Life Time	> 50,000 BH	
IP	IP 66	
Working Temp	-10° to 45°C	



FAÇADE AND ARCHITECTURE LIGHTING

WALL GRAZER

Constant Light
2700-6500K

24W



72W



FEATURES

- Aluminum alloy body with powder coated
- The simplified bracket can be flexibly adjusted
- Bracket size can be customized
- Has scale on end cover to adjust beam angle
- Life time 50,000 BH

APPLICATIONS

Model No.	Guide	ex. PLGM01 24 27 1060				
PLGM01						
Family	Wattage		Colour		Beam Angle	
PLGM01	24	- 24W	27	- 2700K	12	- 12°
	72	- 72W	40	- 4000K	1060	- 10x60°
			65	- 6500K	1530	- 15x30°

SPECIFICATION

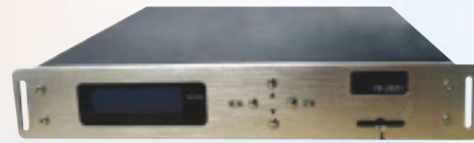
Model	PLGM0124	PLGM0172
Wattage	24W	72W
Input Voltage	DC 24V, Driver: AC 220-240V	
Colour	Constant Colour: 2700K-6500K	
Beam Angle	12°, 10x60°, 15x30°	
Control	Constant Light	
Power Factor	> 0.9	
Life Time	> 50,000 BH	
IP	IP 66	
Working Temp	-10° to 45°C	



FAÇADE AND ARCHITECTURE LIGHTING

DMX CONTROLLER

PCLM01MST4
Master Type Controller



PCLM01SLV4 / PCLM01SLV8
Slave Type Controller



The controller can output 4/8 ports, each port can control 512 pixels

FEATURES

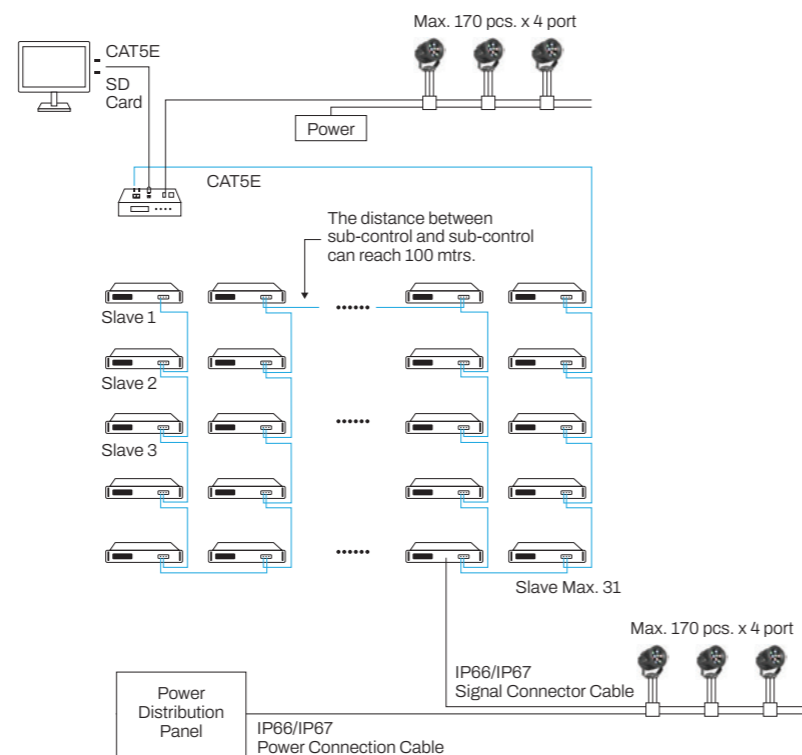
- Total Load capacity : 65,536 pixels
- One Machine Load Slave : 31sets(SLV4) / 15sets(SLV8)
- Software : LED Easy Video or LED Easy
- Working Mode : Online or SD card
- Temperature : -10 to 450C
- Power : AC100-240V 50/60Hz

Maximum System (Master-Slave Type)

- 1 Master Controller – Slave Controller Max. 31 sets
- 1 Slave Controller – 170 pcs x 4 port
- 1 Master Controller – 170 pcs x 4 port
- Master : 170 x 4 = 680 pcs
- Slave : 31 x 170 x 4 = 21,080 pcs
- Total : Max. 21,760 pcs
- In case of RGB type
- RGBW type : 128 pcs/port -
- Total: Max. 16,384 pcs

SKETCH OF CONNECTION

Master / Slave Type Controller



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