PRODUCT CATALOGUE





Do something
new and
unexpected
Keep green
the environment

PAR LED
LIGHT OF INDIA

Introduction

Par Electrical Industries commenced its operations way back in the year 1984 with manufacturing activity on contractual basis in non-ferrous aluminum casting for engineering units as well as for lighting industries

Over the years, subsequent diversification resulted by adopting a modern approach in terms of technology and starting the LED luminaires manufacturing unit in the year 2010-2011 to fulfil the demands of the lighting needs of the new stylish world and at the same time sustain our eco system. Our LED luminaires' advanced technology, energy efficiency and durability has taken it light years ahead, giving it a clear edge in today's light market.

PAR LED offers a wide range of premium quality products, for varied applications in industries, pharmaceuticals & healthcare units, roads & highways, retail, landscapes and much more. We are focused on providing effective and lasting energy efficient lighting solutions which are not only the best in class but also compliant with the long life of LED chips driven by indigenously manufactured drivers that are designed to meet the erratic Indian power fluctuations. We have an in house R&D centre, Testing Laboratory for carrying out IP-Tests, Endurance Tests, Photometric Tests and complete factory set up to produce products from concept to execution. We maintain the best in class quality standards to offer our customers High quality energy efficient LED Lighting systems.

Company Profile

Location

We have our manufacturing facility at village Umbergaon in district Valsad, South Gujarat and is located 170Kms from India's commercial capital of Mumbai.

Infrastructure

We are backed by a rock steady infrastructure fully equipped and established with all the needed technology and machinery to deliver highest quality products to varied industries. Our infrastructure, spread across an area of 1650 Square meters comprises of:

- Foundry Unit (For manufacturing of Aluminum Castings)
- Fabrication Unit (For manufacturing of Sheet Metal works)
- Machine Floor (For all kind of machining works)
- Set up of LED soldering & Driver assembly
- Assembly unit
- Testing Laboratory
- Warehouse

Apart from manufacturing facility, company has an in-house R&D department where we design and develop the product as per latest LED technology and deliver the best products to our nation.

Working Approach

We are focused towards the aim of delivering cost effective LED lighting solutions with zero defects.We achieve this through continuous improvement in quality & services but as an all-pervasive ethic that lives at every level of the company.We always cope with the challenging requirements of our customers. These include, for example:

- Complying with customer specifications, industry standards and legal requirements,
- The presentation of product data sheets,
- Proof of series production,supplied date and test report of product,

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STREET LIGHT LUMINAIRS



Road lighting plays a vital role in people live because it provides safety, security and comfort at night. But this days it is also expected to play an equally vital role in the daytime by adding to the architectural appeal of the landscape. The new PAR range of streetlights is designed with precisely this in mind. Not only does it deliver high quality lighting, its distinctive looks also add character to the street scene. PAR offer a wide range of road lighting solution for both residential and major road applications.









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ROAD GLITTER

Road Glitter is a sleek elegant design innovative streetlight with best in class energy efficient light source for Residence complex perimeter lighting ensuring uniform & sufficient lighting on the road. Its cast aluminium housing has excellent heat dissipation, extending the life of the components inside. Its uniform light distribution enhances safety on roads and allows people to enjoy beautifully lit outdoors.



FEATURES & BENEFITS

- Elegant designed architectural housing to suit the Residence complex.
- Luminary efficacy reaches 105 lumens/Watt.
- Design to ensure Better Thermal Management results in sturdy performance.
- LM-80 compliant high efficiency & Photo biologically safe LEDs.
- High performance electronic driver with high voltage protection, Surge protection & OC/SC/OT protection.
- Along with the additional 10kV/5kA built-in surge protection device.
- Good color uniformity and color rendering (CRI>80).
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- Lifetime of over 40000 hours.
- IP55 level of protection against limited dust ingress & Spray water from any direction.

PRODUCT SPECIFICATIONS

Housing & Glass Frame :

Epoxy powder coated finished Cast aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Opto Lens cover fixed to the housing with SS screws. Silicon gasket is used for maintaining ingress protection.

Optics :

High efficiency polycarbonate modular Lens plate of (120º x 60º) to ensure asymmetrical batwing light distribution.

Light source :

High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥135 lm/W and viewing angle of 120° to ensure better uniformity.

Electronic Driver :

Built in potted constant current isolated LED driver with lower THD, PF ≥0.95, Output Open /Short Circuit protection, Over Voltage protection, 4kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13.

Mounting & Maintenance :

Suitable for pole mounting with bracket Arm OD of 42mm (max.)

Recommended mounting height with suitable in ground reinforcement is 3-6 m.

APPLICATIONS :

- Minor road
- Residence society road lighting
- Industries perimeter lighting

Note: *Road Glitter Luminaires are provided with additional 10kV Built in surge protection device (SPD).*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLSL 501 / 18	PLSL 503 / 18 / 150	16	18	230	0.08	2050
PLSL 501 / 36	PLSL 503 / 36 / 150	31	36	230	0.16	4050
PLSL 501 / 50	PLSL 503 / 50 / 150	44	50	230	0.23	5650
PLSL 501 / 72	PLSL 503 / 72 / 150	63	72	230	0.33	8150
PLSL 501 / 100	PLSL 503 / 100 / 150	87	100	230	0.46	11300

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING

DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLSL 501 / 18	280	108	45	0.500
PLSL 501 / 36	340	130	45	0.675
PLSL 501 / 50	395	162	45	0.965
PLSL 501 / 72	395	162	45	1.130
PLSL 501 / 100	480	192	70	1.290

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ROAD GLOW

New generation environment friendly Road glow is an energy efficient light source for city lighting ensuring uniform & sufficient lighting on the road. Its housing made by cast aluminium alloy ensures high strength and safety on the pole, at the same time provides excellent heat dissipation. It provide vibration, dust and heat resistant capabilities to meet harsh application environments. Road glow offers versatile range for use on Secondary roads and urban road lighting.



FEATURES & BENEFITS

- Luminary efficacy up to 105 lumens/Watt
- Reduces energy consumption by up to 55% versus conventional HID light.
- Design to ensure Better Thermal Management results in sturdy performance.
- LM-80 compliant high efficiency & Photo biologically safe LEDs
- High performance electronic driver with high voltage protection, Surge protection & OC/SC/OT protection.
- Along with the additional 10kV/5kA built-in surge protection device.
- High quality cool, neutral and warm white light with high colour consistency.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- IP65 level of protection against dust penetration & high pressure water jets from any direction.
- Median useful life $L_{70}B_{50}$ 40000 hours

PRODUCT SPECIFICATIONS

Housing & Glass Frame :

Epoxy powder coated finished Cast aluminium alloy housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Tempered protective toughened glass sealed with frame and fixed to the housing with SS screws. Silicon gasket is used for maintaining ingress protection.

Optics :

Optional High efficiency polycarbonate modular Lens plate of (120° x 60°) to ensure asymmetrical batwing light distribution

Light source :

High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥135 lm/W and viewing angle of 120° to ensure better uniformity.

Electronic Driver :

Built in potted constant current isolated LED driver with lower THD, PF ≥0.95, Output Open /Short Circuit protection, Over Voltage protection, 4kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13.

Mounting & Maintenance :

Suitable for pole mounting with bracket Arm OD of 48mm (max.)

Recommended mounting height with suitable in ground reinforcement is 7-10 m.

APPLICATIONS :

- Highways and Secondary road
- Urban lighting
- Industries perimeter lighting

Note: *Road Glow Luminaries are provided with additional 10kV built in surge protection device.*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLSL 502 / 100	PLSL 502 / 120 / 125	87	100	230	0.46	11150
PLSL 502 / 120	PLSL 502 / 144 / 125	104	120	230	0.55	13400
PLSL 502 / 150	PLSL 502 / 180 / 125	131	150	230	0.69	165750

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING

DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLSL 502 / 100	430	200	75	2.750
PLSL 502 / 120	430	200	75	2.750
PLSL 502 / 150	530	260	80	3.900

PAR LED
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ROAD STAR

Road star was created to help those responsible for lighting our world succeeds in their energy conservation goals. It is designed to achieve better light uniformity and maximum spacing between poles, while ensuring sufficient light on the road. Its die-cast aluminium housing was designed to achieve an over 50,000 hour lifespan, to minimize maintenance requirements and maximize performance and offers significant energy savings when compared with conventional lamp systems. Road star offers an affordable LED road lighting solution for both minor and major road applications.



FEATURES & BENEFITS

- Luminary efficacy reaches 135 lumens/Watt, gives more than 60% of energy saving with full compliance to road lighting safety standards.
- Best Thermal Management by Maintain the "Zero Air Gap" between MCPCB and aluminium modules for fastest heat dissipation.
- LM-80 compliant high efficiency ceramic package & Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- Along with the additional 10kV/5kA built-in surge protection device.
- Multiple lumen packages and optics to suit most roadway applications.
- Superior W/m2 performance delivered through different optics for greater flexibility to fit different road applications.
- Driver Compartment designed to suit top maintenance.
- High quality cool, neutral and warm white light with high colour consistency.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- Ip66 level of protection against dust penetration & high pressure water jets from any direction.
- Median useful life $L_{70}B_{50}$ 50000 hours

PRODUCT SPECIFICATIONS

Housing & Glass Frame :

Epoxy powder coated finished Cast aluminium alloy housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Tempered protective toughened glass sealed with frame and fixed to the housing with SS screws. Silicon gasket and Cable gland is used for maintaining ingress protection.

Optics :

Optional High efficiency polycarbonate modular Lens plate of (120° x 60°) to ensure asymmetrical batwing light distribution.

Light source :

High efficiency long life LED module with Ceramic package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥175 lm/W and viewing angle of 120° to ensure better uniformity.

Electronic Drive :

Powered by inbuilt, constant current multistage isolated LED driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit Protection, Over Voltage protection, 6.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :

Suitable for pole mounting with bracket Arm OD of 60mm (max.) 100w & above.
Recommended mounting height with suitable in ground reinforcement is 7-10 m.

APPLICATIONS :

- Highways and major road
- City road lighting
- Industries perimeter lighting

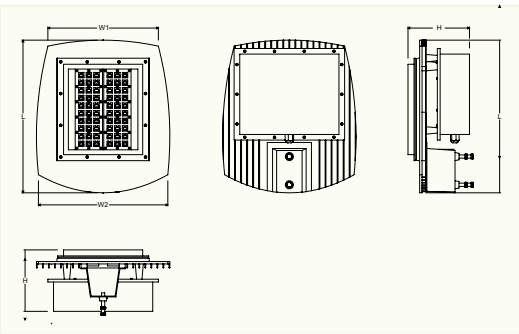
Note: *Road star Luminaires are provided with additional 10kV Built in surge protection device (SPD).*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLSL 504 / 75	PLSL 504 / 30 / 700	65	75	230	0.34	9750
PLSL 504 / 100	PLSL 504 / 40 / 700	87	100	230	0.46	13050
PLSL 504 / 150	PLSL 504 / 60 / 700	131	150	230	0.69	19550

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLSL 504 / 75	322	228	145	3.700
PLSL 504 / 100	366	280	145	5.100
PLSL 504 / 150	375	325	145	6.200

PAR LED
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ROAD SPARK

Road spark is an affordable LED road lighting solution that ensures sufficient light on your roads & streets. It's housing made by cast aluminium alloy ensuring excellent heat dissipation and reliable operation over committed lifetime. Its uniform light distribution enhances safety on roads and allows people to enjoy beautifully lit outdoors.



FEATURES & BENEFITS

- Aesthetically designed Robust housing to suit the urban architecture.
- Energy saving up to 55% when compared to conventional streetlights.
- Luminary efficacy reaches 135 lumens/Watt.
- Best Thermal Management by Maintain the "Zero Air Gap" between MCPCB and cast aluminium modules.
- LM-80 compliant high efficiency EMC package & Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- Along with the additional 10kV/5kA built-in surge protection device.
- High quality cool, neutral and warm white light with high colour consistency.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- IP65 level of protection against dust penetration & low pressure water jets from any direction.
- Median useful life $L_{70}B_{50}$ 50000 hours

PRODUCT SPECIFICATIONS

Housing & Glass Frame :

Epoxy powder coated finished Cast aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Toughened glass fixed to the housing with SS toggles. Silicon gasket is used for maintaining ingress protection.

Optics :

Optional High efficiency polycarbonate modular Lens plate of (120° x 60°) to ensure asymmetrical batwing light distribution.

Light source :

High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥160 lm/W and viewing angle of 120° to ensure better uniformity.

Electronic Driver :

Built in potted constant current multistage isolated LED driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit protection, Over Voltage protection, 6.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :

Suitable for pole mounting with bracket arm OD of 52mm (max.)

Recommended mounting height with suitable inground reinforcement is 5-8 m.

APPLICATIONS :

- Minor and Secondary road
- Urban lighting
- Residence colony perimeter lighting
- Industries perimeter lighting

Note: *Road Spark Luminaires are provided with additional 10kV Built in surge protection device (SPD).*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLSL 506 / 35	PLSL 506 / 32 / 150	30	35	230	0.16	4500
PLSL 506 / 50	PLSL 506 / 48 / 150	44	50	230	0.23	6700
PLSL 506 / 70	PLSL 506 / 64 / 150	61	70	230	0.32	8950
PLSL 506 / 100	PLSL 506 / 96 / 150	87	100	230	0.46	13450

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING

DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLSL 506 / 35	280	180	90	1.850
PLSL 506 / 50	280	235	90	2.150
PLSL 506 / 70	380	180	90	2.550
PLSL 506 / 100	380	235	90	3.150

PAR LED
LIGHT OF INDIA

ROAD NOVA

The aesthetics design Road Nova is an affordable LED road lighting solution for both residential and minor road applications, ensuring a smooth traffic flow and safety of the residents. Its cast aluminium housing having an excellent thermal management and resistance to the elements, makes the Road Nova ensures long lifetime, reliability and offers significant energy savings when compared with conventional lamp systems.



FEATURES & BENEFITS

- Robust designed compact housing to suit the urban architecture.
- Luminary efficacy reaches 130 lumens/Watt, gives more than 55% of energy saving with full compliance to road lighting safety standards.
- Best Thermal Management by Maintain the "Zero Air Gap" between MCPCB and aluminium modules.
- LM-80 compliant high efficiency EMC package & Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- High quality cool, neutral and warm white light with high colour consistency.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- IP66 level of protection against dust penetration & high pressure water jets from any direction.
- Median useful life $L_{70}B_{50}$ 50000 hours

PRODUCT SPECIFICATIONS

Housing & Glass Frame :

Epoxy powder coated finished Cast aluminium alloy housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Tempered protective toughened glass sealed with frame and fixed to the housing with SS screws. Silicon gasket is used for maintaining ingress protection.

Optics :

Optional High efficiency polycarbonate modular Lens plate of (120° x 60°) to ensure asymmetrical batwing light distribution.

Light source :

High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥160 lm/W and viewing angle of 120° to ensure better uniformity.

Electronic Driver :

Built in constant current multistage isolated LED driver with <10% THD, PF ≥0.98, Output Open /Short Circuit protection, Over Voltage protection, 6.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :

Suitable for pole mounting with bracket arm OD of 33mm (max.)

Recommended mounting height with suitable inground reinforcement is 3-5 m.

APPLICATIONS :

- Minor road
- Residence society road lighting
- Industries perimeter lighting
- urban lighting

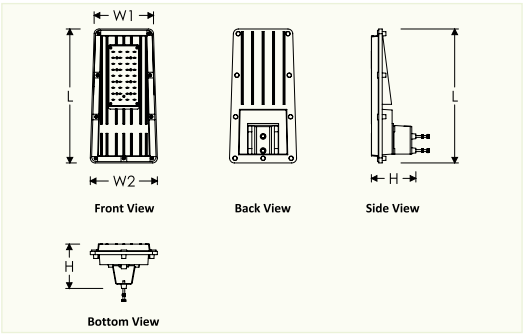
Note: *Road Nova Luminaires are provided with additional 10kV Built in surge protection device (SPD).*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLSL 508 / 20	PLSL 508 / 18 / 160	17	20	230	0.09	2500
PLSL 508 / 35	PLSL 508 / 32 / 150	30	35	230	0.16	4500
PLSL 508 / 40	PLSL 508 / 36 / 160	35	40	230	0.18	5000

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLSL 508 / 20	318	180	115	2.000
PLSL 508 / 35	318	180	115	2.150
PLSL 508 / 40	318	180	115	2.100

PAR LED
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FLOOD LIGHT LUMINAIRS



Illuminating of street junction, Park, open area has become vital role for area developers in order to maintain safety, security and comfort at night. PARLED brings to you vast range of LED flood light with special features to meet lighting needs.Our flood lights available with wide variety of versatile designs meets the highest performance standards, provides outstanding light quality, maintains uniformity and ensures safety and visual comfort with significant power saving.The PAR LED floodlighting provides a complete lighting solution for ports and docks, parking lots, construction sites, recreational sports facilities and industrial outdoors.





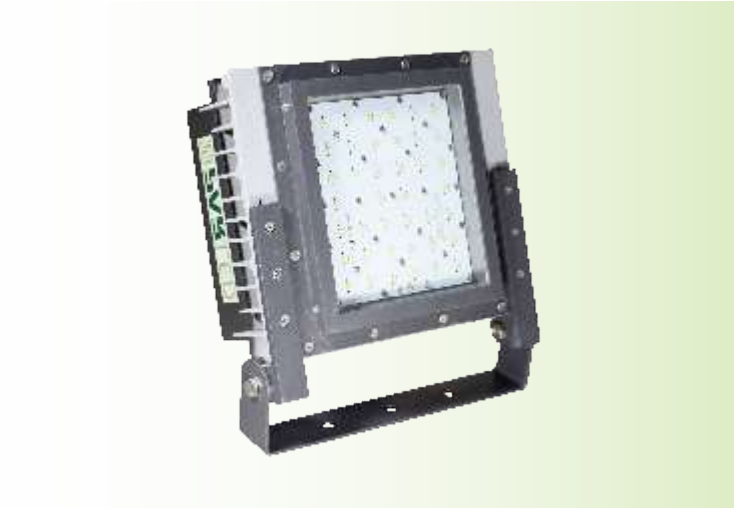




PAR LED
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AREA SHINE

New generation environment friendly Area Shine is an energy efficient range of floodlights designed for replacement of conventional technology. It's specially designed extruded aluminium heat sink incorporates aesthetics and excellent thermal management to ensure reliability and long lifetime. Area Shine offers lumen packages for many different application areas as well as its uniform light distribution bringing area lighting into a new era.



FEATURES & BENEFITS

- Higher system efficiency up to 135 lumens/Watt
- Reduces energy consumption by up to 55% versus conventional HID light.
- Maintain "Zero Air Gap" between MCPCB and extruded aluminium modules ensures fastest heat dissipation.
- LM-80 compliant high efficiency EMC package & Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- Along with the additional 10kV/5kA built-in surge protection device.
- Driver Compartment designed to suit top maintenance.
- Multiple lumen packages and optics to fulfil majority of lighting application needs.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- IP66 level of protection against dust penetration & high pressure water jets from any direction.
- Median useful life $L_{70}B_{50}$ 50000 hours

PRODUCT SPECIFICATIONS

Housing & Glass Frame :
Epoxy powder coated finished Extruded aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Tempered protective toughened glass sealed with frame and fixed to the housing with SS screws. Silicon gasket and Cable gland is used for maintaining ingress protection

Optics :
Optional High efficiency polycarbonate modular Lens plate of (30º/60º) for narrow & wide beam angle to ensure better uniformity of symmetrical light distribution.

Light source :
High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥160 lm/W and viewing angle of 120° to ensure better uniformity.

Electronic Driver :
Built in potted constant current multistage isolated LED driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit protection, Over Voltage protection, 6.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :
Wall or surface mounting using adjustable MS cradle of thickness 3.0 mm provided with the fixture by 3 circular slots of 10mm Ø at center distance of 60 mm.

APPLICATIONS :
- Small-scale recreational sports facilities
- Industrial areas
- Parking lots
- Column & facades Lighting

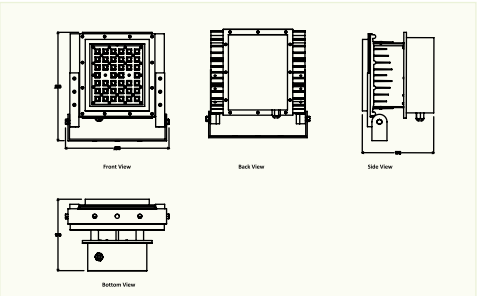
Note: *Area shine Luminaries are provided with additional 10kV built in surge protection device.*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLFL 511 / 100	PLFL 511 / 96 / 150	87	100	230	0.46	13450
PLFL 511 / 150	PLFL 511 / 144 / 150	131	150	230	0.69	20150
PLFL 511 / 175	PLFL 511 / 168 / 150	152	175	230	0.80	23500
PLFL 511 / 200	PLFL 511 / 192 / 150	174	200	230	0.92	26900
PLFL 511 / 250	PLFL 511 / 240 / 150	218	250	230	1.14	33600

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLFL 511 / 100	215	220	160	3.600
PLFL 511 / 150	285	205	160	4.300
PLFL 511 / 180	285	265	160	5.400
PLFL 511 / 200	285	265	160	5.500
PLFL 511 / 250	285	395	160	7.200

PAR LED
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AREA STAR

Area star was designed to help those responsible for lighting our world succeeds in their energy conservation goals. It's specially designed extruded aluminium heat sink incorporates aesthetics and excellent thermal management to achieved an over 50,000 hour lifespan, to minimize maintenance requirements and maximize performance. Area star is a range of floodlights that lets you choose the exact lumens you need for your application. The wide choice of optics ensures maximum application coverage, outstanding lux and significant energy savings.



FEATURES & BENEFITS

- Luminary efficacy reaches 135 lumens/Watt, gives more than 60% of energy saving with full compliance to area lighting safety standards.
- Best Thermal Management by Maintain the "Zero Air Gap" between MCPCB and aluminium modules for fastest heat dissipation.
- LM-80 compliant high efficiency ceramic package & Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- Along with the additional 10kV/5kA built-in surge protection device.
- Superior W/m2 performance delivered through different optics for greater flexibility to fit different road applications.
- Multiple lumen packages and optics to suit most area lighting applications.
- Driver Compartment designed to suit top maintenance.
- High quality cool, neutral and warm white light with high colour consistency.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- IP66 level of protection against dust penetration & high pressure water jets from any direction.
- Median useful life $L_{70}B_{50}$ 50000 hours

PRODUCT SPECIFICATIONS

Housing & Glass Frame :

Epoxy powder coated finished Extruded aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Tempered protective toughened glass sealed with frame and fixed to the housing with SS screws. Silicon gasket and Cable gland is used for maintaining ingress protection

Optics :

Optional High efficiency polycarbonate Lens of (30º/60º) for narrow & wide beam angle to ensure better uniformity of symmetrical light distribution.

Light source :

High efficiency long life LED module with Ceramic package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥175 lm/W and viewing angle of 120° to ensure better uniformity.

Electronic Driver :

Powered by inbuilt, constant current multistage isolated LED driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit Protection, Over Voltage protection, 6.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :

Wall or surface mounting using adjustable MS cradle of thickness 3.0 mm provided with the fixture by 3 circular slots of 10mm Ø at center distance of 60 mm.

APPLICATIONS :

- Airports
- Yard lighting
- Industrial areas
- Large recreational sports facilities
- Roundabouts and motorway junctions

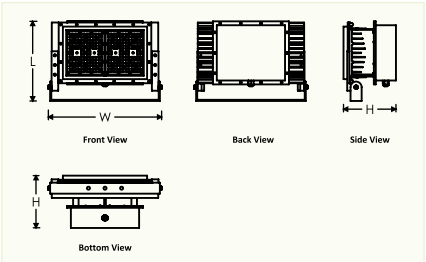
Note: *Area Star Luminaries are provided with additional 10kV built in surge protection device.*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLFL 512 / 100	PLFL 512 / 40 / 700	87	100	230	0.46	13050
PLFL 512 / 150	PLFL 512 / 60 / 700	131	150	230	0.69	19550
PLFL 512 / 200	PLFL 512 / 80 / 700	174	200	230	0.92	26100
PLFL 512 / 300	PLFL 512 / 120 / 700	261	300	230	1.37	39100

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLFL 512 / 100	285	250	190	4.900
PLFL 512 / 150	285	355	190	7.000
PLFL 512 / 200	285	385	190	7.100
PLFL 512 / 300	285	530	190	9.400

PAR LED
LIGHT OF INDIA

AREA SPARK

Area Spark is a highly efficient range of floodlights designed for replacement of conventional technology. The Area Spark flood light incorporates LED light source, optical system, heat sink and driver into one compact housing. Its specially designed heat sink incorporates aesthetics and excellent heat dissipation to ensure reliability and long lifetime. Area Spark offers lumen packages for many different application areas as well as its uniform light distribution bringing area lighting into a new era.



FEATURES & BENEFITS

- Energy saving upto 55% when compared to conventional floodlights.
- Luminary efficacy reaches 135 lumens/Watt,
- Best Thermal Management by Maintain the "Zero Air Gap" between MCPCB and cast aluminium modules.
- LM-80 compliant high efficiency EMC package & Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- Along with the additional 10kV/5kA built-in surge protection device.
- High quality cool, neutral and warm white light with high colour consistency.
- No harmful UV & IR radiation
- IP65 level of protection against dust penetration & low pressure water jets from any direction.
- Median useful life $L_{70}B_{50}$ 50000 hours

PRODUCT SPECIFICATIONS

Housing & Glass Frame :
Epoxy powder coated finished Cast aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Toughened glass fixed to the housing with SS toggles. Silicon gasket and Cable gland is used for maintaining ingress protection.

Optics :
Optional High efficiency polycarbonate modular Lens plate of (30°/60°) for narrow & wide beam angle to ensure better uniformity of symmetrical light distribution.

Light source :
High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥160 lm/W and viewing angle of 120° to ensure better uniformity.

Electronic Driver :
Built in potted constant current multistage isolated LED driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit protection, Over Voltage protection, 6.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :
Wall or surface mounting using adjustable MS cradle of thickness 3.0 mm provided with the fixture by 3 circular slots of 10mm Ø at center distance of 50 mm.

APPLICATIONS :
- Landscape features
- Hording & Facades Lighting
- Factories & Warehouse
- Security and amenity lighting
- General Area Lighting

Note: *Area Spark Luminaires are provided with additional 10kV Built in surge protection device (SPD).*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLFL 513 / 35	PLFL 513 / 32 / 150	30	35	230	0.16	4500
PLFL 513 / 50	PLFL 513 / 48 / 150	44	50	230	0.23	6700
PLFL 513 / 70	PLFL 513 / 64 / 150	61	70	230	0.32	8950
PLFL 513 / 100	PLFL 513 / 96 / 150	87	100	230	0.46	13450

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING

DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLFL 513 / 35	270	205	80	1.800
PLFL 513 / 50	270	260	80	2.200
PLFL 513 / 70	370	205	80	2.500
PLFL 513 / 100	370	260	80	3.150

PAR LED
LIGHT OF INDIA

AREA NOVA

The aesthetics design Area Nova is an affordable LED lighting solution for general area lighting. Its cast aluminium heat sink having an excellent thermal management and resistance to the elements, makes the Area Nova ensures long lifetime, reliability and offers significant energy savings when compared with conventional lamp systems.



FEATURES & BENEFITS

- Robust designed compact housing to suit the General Area Lighting.
- Energy saving upto 55% when compared to conventional floodlights.
- Luminary efficacy reaches 135 lumens/Watt,
- Best Thermal Management by Maintain the "Zero Air Gap" between MCPCB and aluminium modules.
- LM-80 compliant high efficiency EMC package & Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- High quality cool, neutral and warm white light with high colour consistency.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- IP66 level of protection against dust penetration & high pressure water jets from any direction.
- Median useful life $L_{70}B_{50}$ 50000 hours

PRODUCT SPECIFICATIONS

Housing & Glass Frame :
Epoxy powder coated finished Cast aluminium alloy housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Tempered protective toughened glass sealed with frame and fixed to the housing with SS screws. silicon gasket and Cable gland is used for maintaining ingress protection.

Optics :
Optional High efficiency polycarbonate modular Lens plate of (30°/60°) for narrow & wide beam angle to ensure better uniformity of symmetrical light distribution.

Light source :
High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥175 lm/W and viewing angle of 120° to ensure better uniformity.

Electronic Driver :
Powered by inbuilt, constant current multistage isolated LED driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit Protection, Over Voltage protection, 6.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :
Wall or surface mounting using adjustable MS cradle of thickness 3.0 mm provided with the fixture by 3 circular slots of 10mm Ø at center distance of 60 mm.

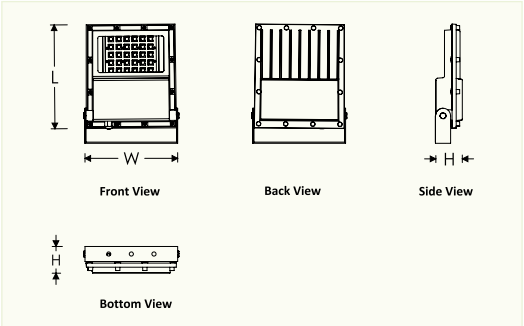
APPLICATIONS :
- Parking lots
- Hording & Facades Lighting
- Factories & Warehouse
- Industries perimeter lighting
- General Area Lighting

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLFL 514 / 75	PLFL 514 / 30 / 700	65	75	230	0.33	9750

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLFL 514 / 75	275	245	70	3.950

PAR LED
LIGHT OF INDIA

AREA ECO

The energy efficient Area Eco flood light is an ideal solution for a replace the halogen flood lighting luminiare. Its reliable designed heat sink incorporates aesthetics and excellent heat dissipation to ensure long lifetime, durability and performance at a competitive price.



FEATURES & BENEFITS

- Compact finless light weight housing to suit the construction site.
- Energy saving upto 55% when compared to conventional floodlights.
- Luminary efficacy reaches 135 lumens/Watt,
- Design to ensure Better Thermal Management results in sturdy performance.
- LM-80 compliant high efficiency EMC package & Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- Top openable design allows easy access to that driver ensures convenient and faster maintenance.
- High quality of light by increase CRI upto 80 for all colour temperature.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- Lifetime of over 40000 hours.
- IP54 level of protection against limited dust ingress & Spray water from any direction.

PRODUCT SPECIFICATIONS

Housing &Finished :
Epoxy powder coated finished extruded aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance.

Glass Frame :
Polycarbonate cover sealed with frame and fixed to the housing with SS screws. Silicon gasket and Cable gland is used for maintaining ingress protection.

Light source :
High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥160 lm/W with beam angle 120°for uniform light distribution.

Electronic Driver :
Built in potted constant current multistage isolated LED driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit protection, Over Voltage protection, 6.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :
Wall or surface mounting using adjustable MS cradle of thickness 2 mm provided with the fixture by 3 circular slots of 8mm Ø at center distance of 50 mm.

APPLICATIONS :
- Construction Sites
- Column Lighting
- General Area Lighting

Note: *Area Eco Luminaires are available on request with additional 10kV Built in surge protection device (SPD).*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLFL 515 / 45	PLFL 515 / 42 / 150	39	45	230	0.21	5900
PLFL 515 / 90	PLFL 515 / 84 / 150	78	90	230	0.41	11750

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING

DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLFL 515 / 45	155	150	215	1.500
PLFL 515 / 90	215	150	215	2.400

PAR LED
LIGHT OF INDIA

AREA GLOW

The energy-saving Area Glow Floodlight is the ideal solution for a wide range of area lighting applications. It incorporates the LED light source, optical system, heat sink and driver into one robust housing and its specially designed heat sink incorporates aesthetics and excellent thermal management and resistance to the elements to ensure excellent reliability. Area Glow delivers superior performance and a longer lifetime, bringing area lighting to a whole new level.



FEATURES & BENEFITS

- Robust designed housing to suit the General Area Lighting.
- Reduces energy consumption by up to 55% versus conventional HID light.
- Luminary efficacy reaches 105 lumens/Watt,
- Design to ensure Better Thermal Management results in sturdy performance.
- LM-80 compliant high efficiency & Photo biologically safe LEDs
- High performance electronic driver with high voltage protection, Surge protection & OC/SC/OT protection.
- Along with the additional 10kV/5kA built-in surge protection device.
- Multiple lumen packages and optics to suit most area lighting applications
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- IP65 level of protection against dust penetration & low pressure water jets from any direction.
- Lifetime of over 40000 hours.

PRODUCT SPECIFICATIONS

Housing & Glass Frame :

Epoxy powder coated finished Cast aluminium alloy housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Tempered protective toughened glass sealed with frame and fixed to the housing with SS screws. Silicon gasket and Cable gland is used for maintaining ingress protection.

Optics :

Optional High efficiency polycarbonate modular Lens plate of (30º/60º) for narrow & wide beam angle to ensure better uniformity of symmetrical light distribution.

Light source :

High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥135 lm/W and viewing angle of 120° to ensure better uniformity.

Electronic Driver :

Built in potted constant current isolated LED driver with lower THD, PF ≥0.95, Output Open /Short Circuit protection, Over Voltage protection, 4kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13.

Mounting & Maintenance :

Wall or surface mounting using adjustable MS cradle of thickness 2.0 mm provided with the fixture by 2 capsule slots of 10mm Ø at center distance of 90 mm.

APPLICATIONS :

- Parking lots
- Hording & Facades Lighting
- Factories & Warehouse
- Industries perimeter lighting
- General Area Lighting

Note: *Area glow Luminaries are provided with additional 10kV built in surge protection device.*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLFL 518 / 36	PLFL 518 / 36 / 150	31	36	230	0.16	4050
PLFL 518 / 50	PLFL 518 / 60 / 125	44	50	230	0.23	5600
PLFL 518 / 72	PLFL 518 / 90 / 125	63	72	230	0.33	8350
PLFL 518 / 100	PLFL 518 / 120 / 125	87	100	230	0.46	11150
PLFL 518 / 120	PLFL 518 / 144 / 125	104	120	230	0.55	13400
PLFL 518 / 150	PLFL 518 / 180 / 125	131	150	230	0.69	16750
PLFL 518 / 200	PLFL 518 / 240 / 125	174	200	230	0.92	22300

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING

DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLFL 518 / 36	200	180	50	1.000
PLFL 518 / 50	200	215	50	1.135
PLFL 518 / 72	200	215	50	1.300
PLFL 518 / 100	235	260	50	1.770
PLFL 518 / 120	235	260	50	1.770
PLFL 518 / 150	275	290	60	2.500
PLFL 518 / 200	320	320	60	3.490

PAR LED
LIGHT OF INDIA

AVIATION

Aviation obstruction lights are high-intensity lighting devices; also known as navigation lights lighting equipment installed to a tall structures and used for the purpose of collision avoidance measures. Such devices are not always bright but shinning and make tall structures more visible for passing of aircrafts, are available with single & twin lamp suitable for Transmission Line Towers, Telecom Towers, Thermal Power Plants, High-mast lighting / signage towers and High-rise building roof tops



FEATURES & BENEFITS

- Cast aluminium housing with Red Polycarbonate dome cover ensures enhanced visibility and weather resistance.
- Energy saving upto 80% when compared to conventional aviation light.
- Luminary efficacy reaches 1 cd/Watt,
- high efficiency 5mm 2-pin Photo biologically safe LEDs
- High performance electronic driver with protection against surge & short circuit.
- Operating with input voltage range 110 – 270 VAC.
- Available in colour with Red/Green/White
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- Lifetime of over 50000 hours.
- IP65 level of protection against dust penetration & low pressure water jets from any direction.

PRODUCT SPECIFICATIONS

Housing & Glass Frame :
Epoxy powder coated finished cast aluminium housing for sturdiness & excellent corrosion resistance.

Glass Frame :
Polycarbonate Dome cover fixed to the housing with SS screws. Silicon gasket is used for maintaining ingress protection.

Light source :
High efficiency long life 5mm 2-Pin LED mounted on MCPCB & circular ring. Lumen efficacy of LED 1 cd /W with 20° beam angle.

Electronic Driver :
Built in with constant current LED driver with Short Circuit protection, Over Voltage protection and Surge Voltage protection.

Mounting & Maintenance :
Pipe mounting by provided 1/2" BSP Thread

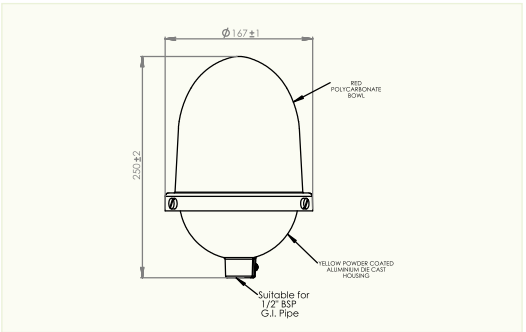
APPLICATIONS :
- Airport Runway
- Telecom Towers
- High-mast lighting / signage towers
- High-rise building roof tops

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLAL 520 / 10	PLAL 502 / 302 /20	10	12	230	0.055	12
PLAL 520-B / 10	PLAL 502-B / 302 / 20	10	12	230	0.055	12
PLAL 520 / 2x10	PLAL 502 / 2x302 / 20	20	24	230	0.11	24
PLAL 520-B / 2x10	PLAL 502-B / 2x302 / 20	20	24	230	0.11	24

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLAL 520 / 10	170	170	260	-
PLAL 520 / 2x10	470	170	250	

PARLED
LIGHT OF INDIA

INDUSTRIAL LUMINAIRS



Industries workplace needs the high quality lighting with safety at optimum operation costs. The range of PARLED industrial lights is designed with precisely this in mind. Not only does it deliver high quality lighting, but also provides a productive and safe work environment that enhances work efficiency without compromising on the functional prerequisites of the manufacturing spaces. PARLED Lighting brings to you a range of industries light which is save more energy & illuminate more and creates a high performance work environment.





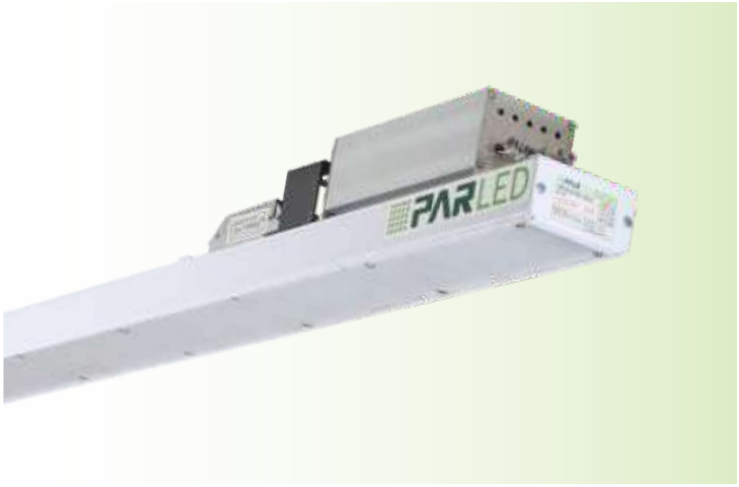




PAR LED
LIGHT OF INDIA

BAY CHANNEL

The Channel Star is a simple LED solution for bay light, which efficiently illuminates work areas, creating a brighter and better warehouse or manufacture environment. Innovatively designed extruded aluminium heat sink ensures good thermal management that facilitates good performance of LED. It's unique designed & construction is an ideal solution for replacement of linear conventional industrial luminaries. Available with three different lengths (2Ft/3Ft/4Ft), this easy-to-install and low-maintenance lighting solution is suitable for a variety of various industrial applications.



FEATURES & BENEFITS

- Luminary efficacy reaches 100 lumens/Watt, which is gives more than 50% of energy saving when replace to conventional industrial luminaries.
- Special designed extruded aluminium housing for Effective Thermal Management.
- Polycarbonate diffuser used, so no embriilement, no yellowing.
- LM-80 compliant high efficiency & Photo biologically safe LEDs.
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- High Voltage Cut off @ 310 ± 15V with Auto Restart feature.
- Along with the additional 10kV/5kA built-in surge protection device.
- High quality of light by increase CRI upto 80 for all colour temperature.
- No harmful UV & IR radiation
- Lifetime of over 40000 hours.
- IP50 level of protection against limited dust only.

PRODUCT SPECIFICATIONS

Housing & Glass Frame :
Epoxy powder coated finished Extruded aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Polycarbonate diffuser fixed to the housing with SS screws.

Light source :
High efficiency long life LED module with SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥125 lm/W .

Electronic Driver :
Built in potted constant current multistage isolated LED driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit protection, Over Voltage protection, 6.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :
Flexible suspension system, Mounting accessories like conduit pipe/chain (not in Par's scope)

APPLICATIONS :
- Small Factories & Workshops
- Manufacturing assembly lines
- Warehouse

Warning & Safety :
This product is not protected against water ingress & as such we strongly recommend that the environment in which the luminaire is to be installed is suitably checked.
If the above advice is not taken and the luminaires are subject to water ingress, PAR cannot guarantee safe failure & product warranty will become void

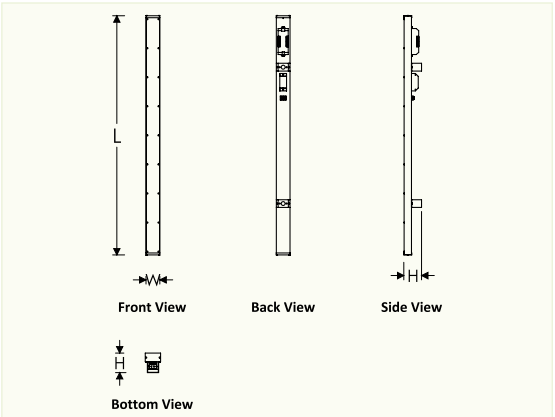
Note: *Channel Star luminaires are provided with additional 10kV Built in surge protection device (SPD).*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLBL 521 / 18	PLBL 521 / 48 / 100	16	18	230	0.08	1850
PLBL 521 / 40	PLBL 521 / 72 / 100	35	40	230	0.18	3750
PLBL 521 / 50	PLBL 521 / 96 / 100	44	50	230	0.23	4950

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLBL 521 / 18	635	72	92	1.300
PLBL 521 / 40	935	72	92	1.700
PLBL 521 / 50	1235	72	92	2.400

PAR LED
LIGHT OF INDIA

BAY ECO

Bay Eco is an ideal solution for lowbay light for small industries & workshops where mounting height is less than 5mt. Bay Eco delivers a uniform light distribution, enables a safe working environment. It offers customers all the benefits of LED lighting – reduced energy consumption, longer service time and less maintenance.



FEATURES & BENEFITS

- Compact housing to suit the Small workshops & Industries.
- Single piece die cast aluminum housing with inbuilt potted driver
- Luminary efficacy reaches 135 lumens/Watt.
- Energy saving up to 55% when compared to MV/MH lamp
- Design to ensure Better Thermal Management results in sturdy performance.
- LM-80 compliant high efficiency & Photo biologically safe LEDs.
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- High Voltage Cut off @ 310 ± 15V with Auto Restart feature.
- High quality cool, neutral and warm white light with high colour consistency.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- Lifetime of over 40000 hours.
- IP54 level of protection against limited dust ingress & Spray water from any direction.

PRODUCT SPECIFICATIONS

Housing & Finished :

Epoxy powder coated finished Cast aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance.

Glass Frame :

Polycarbonate cover sealed with frame and fixed to the housing with SS screws. Silicon gasket and Cable gland is used for maintaining ingress protection.

Light source :

High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥160 lm/W with beam angle 120°for uniform light distribution.

Electronic Driver :

Built in potted constant current multistage isolated LED driver with <10% THD, PF ≥0.98, Output Open /Short Circuit protection, Over Voltage protection, 6.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :

Surface mounting using fixed MS bracket of thickness 2.0 mm provided with the fixture by 2 circular slots of 8mm Ø at center distance of 50mm.

Recommended mounting height with suitable inground reinforcement is 4-6 m.

APPLICATIONS :

- Small Factories & Workshops
- Manufacturing assembly lines
- Warehouse

Note: *BayEco Luminaires are available on request with additional 10kV Built in surge protection device (SPD).*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLBL 522 / 45	PLBL 522 / 42 / 150	39	45	230	0.20	4900
PLBL 522 / 70	PLBL 522 / 64 / 150	60	70	230	0.31	7700

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing.*

TECHNICAL DRAWING

DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLBL 522 / 45	195	175	140	1.650
PLBL 522 / 70	-	-	-	-

PAR LED
LIGHT OF INDIA

BAY SHINE

Bay shine is a high efficient and reliable LED bay light luminaire designed as the point to point replacement HID technology in factories & warehouse. It's specially designed extruded aluminium heat sink incorporates excellent thermal management and deliver optimum performance under harsh industrial environment to provide significant & sustained energy savings over the product life cycle resulting in enhanced productivity & safety.



FEATURES & BENEFITS

- Higher system efficiency up to 135 lumens/Watt
- Reduces energy consumption by up to 55% versus conventional HID light.
- Maintain "Zero Air Gap" between MCPCB and extruded aluminium modules ensures fastest heat dissipation.
- LM-80 compliant high efficiency EMC Package & Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- High Voltage Cutoff @ 310 ± 15V with Auto Restart feature.
- Along with the additional 10kV/5kA built-in surge protection device.
- Driver Compartment designed to suit top maintenance.
- Multiple lumen packages and optics to fulfil majority of lighting application needs.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- IP65 level of protection against dust penetration & low pressure water jets from any direction.
- Median useful life $L_{70}B_{50}$ 50000 hours

PRODUCT SPECIFICATIONS

Housing & Glass Frame :

Epoxy powder coated finished Extruded aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Tempered protective toughened glass sealed with frame and fixed to the housing with SS screws. Silicon gasket and Cable gland is used for maintaining ingress protection.

Light source :

High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥160 lm/W with beam angle 120° for uniform distribution.

Optics :

Optional High efficiency polycarbonate modular Lens plate of (60°/90°) for narrow & wide beam angle to ensure better uniformity of symmetrical light distribution.

Electronic Driver :

Built in potted constant current multistage isolated LED driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit protection, Over Voltage protection, 6.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :

Surface mounting using fixed MS bracket of thickness 3.0 mm provided with the fixture by 3 circular slots of 10mm Ø at center distance of 60mm. Recommended mounting height with suitable in ground reinforcement is 7-10 m.

APPLICATIONS :

- Manufacturing assembly lines
- Factories & Workshops
- Warehouse
- Indoor Stadium

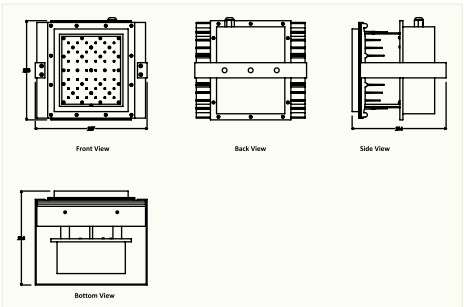
Note: *Bay shine Luminaires are provided with additional 10kV built in surge protection device (SPD).*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLBL 523 / 90	PLBL 523 / 84 / 150	78	90	230	0.41	11750
PLBL 523 / 100	PLBL 523 / 96 / 150	87	100	230	0.46	13450
PLBL 523 / 150	PLBL 523 / 144 / 150	131	150	230	0.69	20150
PLBL 523 / 175	PLBL 523 / 168 / 150	152	175	230	0.80	23500
PLBL 523 / 200	PLBL 523 / 192 / 150	174	200	230	0.92	26900
PLBL 523 / 250	PLBL 523 / 240 / 150	218	250	230	0.14	33600

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



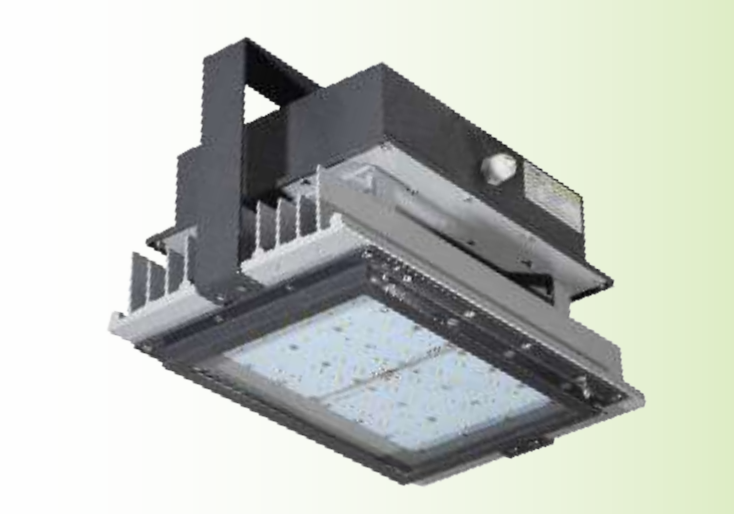
DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLBL 523 / 90	260	150	205	3.500
PLBL 523 / 100	210	220	205	4.100
PLBL 523 / 150	270	220	205	5.200
PLBL 523 / 175	270	220	205	5.500
PLBL 523 / 200	325	220	205	6.300
PLBL 523 / 250	390	220	205	7.000

PAR LED
LIGHT OF INDIA

BAY STAR

Bay star LED bay light is a luminaire designed to provide undisrupted and uniform lighting for industrial application and is an ideal solution for higher mounting heights, high temperature application and special heavy-duty industry. It enables a safe working environment with leading specifications and comfortable light which is improve the mood of worker towards his work as well as reduce the rate of error. It's specially designed extruded aluminium heat sink incorporates aesthetics and excellent thermal management and giving a consistent performance in light output and achieved an over 50,000 hour lifespan.



FEATURES & BENEFITS

- Luminary efficacy reaches 135 lumens/Watt, which is gives more than 60% of energy saving with full compliance to Industrial lighting safety standards.
- Maintain "Zero Air Gap" between MCPCB and extruded aluminium modules ensures fastest heat dissipation.
- LM-80 compliant high efficiency ceramic package & Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- High Voltage Cut off @ 310 ± 15V with Auto Restart feature.
- Along with the additional 10kV/5kA built-in surge protection device.
- Driver Compartment designed to suit top maintenance.
- Multiple lumen packages and optics to fulfil majority of lighting application needs.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- IP65 level of protection against dust penetration & low pressure water jets from any direction.
- Median useful life $L_{70}B_{50}$ 50000 hours

PRODUCT SPECIFICATIONS

Housing & Glass Frame :

Epoxy powder coated finished Extruded aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Tempered protective toughened glass sealed with frame and fixed to the housing with SS screws. Silicon gasket and Cable gland is used for maintaining ingress protection.

Light source :

High efficiency long life LED module with Ceramic package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥175 lm/W with beam angle 120° for uniform distribution.

Optics :

Optional High efficiency polycarbonate Lens of (60°/90°) for narrow & wide beam angle to ensure better uniformity of symmetrical light distribution.

Electronic Driver :

Powered by inbuilt, constant current multistage isolated LED driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit Protection, Over Voltage protection, 6.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :

Surface mounting using fixed MS bracket of thickness 3.0 mm provided with the fixture by 3 circular slots of 10mm Ø at center distance of 60mm. Recommended mounting height with suitable in ground reinforcement is 7-15 m.

APPLICATIONS :

- Steel Plants & Foundries
- Manufacturing assembly lines
- Factories & Workshops
- Warehouse
- Indoor Stadium

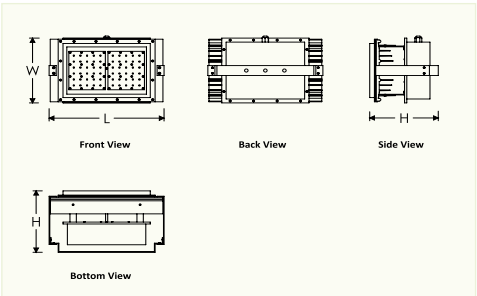
Note: *Bay Star Luminaires are provided with additional 10kV Built in surge protection device (SPD).*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLBL 524 / 75	PLBL 524 / 30 / 700	65	75	230	0.34	9750
PLBL 524 / 100	PLBL 524 / 40 / 700	87	100	230	0.46	13050
PLBL 524 / 150	PLBL 524 /60 / 700	131	150	230	0.69	19550
PLBL 524 / 200	PLBL 524 / 80 / 700	174	200	230	0.92	26100
PLBL 524 / 300	PLBL 524 / 120 / 700	261	300	230	1.37	39100

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLBL 524 / 75	230	220	216	4.200
PLBL 524 / 100	255	220	216	4.700
PLBL 524 / 150	360	220	216	6.800
PLBL 524 / 200	390	220	216	7.000
PLBL 524 / 300	535	220	216	9.200

PAR LED
LIGHT OF INDIA

HIGHBAY

High bay LED lighting is designed to ensure wide and uniform light distribution throughout the facility by mean of high efficiency LEDs and Its High purity anodized aluminum reflector with electrochemically anodized matt finish inside provides wide and uniform light distribution. Specially designed extruded Aluminium heat sink ensures proper heat dissipation resulting in long service life and unique vertical fin design avoids dust accumulation resulting in reliable performance.



FEATURES & BENEFITS

- Luminary efficacy reaches 135 lumens/Watt, which is gives more than 60% of energy saving with full compliance to industrial lighting safety standards
- Specially designed extruded aluminium heat sink ensures proper heat dissipation & its vertical fins designs avoid dust accumulations resulting in reliable performance & long service life.
- High purity anodized 90° aluminium reflectors with electrochemically anodised matt finish inside, provides wide and uniform light distribution.
- LM-80 compliant high efficiency ceramic package & Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- High Voltage Cut off @ 310 ± 15V with Auto Restart feature.
- Along with the additional 10kV/5kA built-in surge protection device.
- High quality cool, neutral and warm white light with high colour consistency.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- IP65 level of protection against dust penetration & low pressure water jets from any direction.
- Median useful life $L_{70}B_{50}$ 50000 hours

PRODUCT SPECIFICATIONS

Housing & Glass Frame :

Epoxy powder coated finished Extruded aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Tempered protective toughened glass sealed with glass ring and fixed to the housing with SS screws. Silicon gasket and Cable gland is used for maintaining ingress protection.

Reflector :

High purity anodized 90° aluminum reflectors with electrochemically anodized matt finish inside, provides wide and uniform light distribution.

Light source :

High efficiency long life LED module with Ceramic package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥175 lm/W with viewing angle of 120° to ensure better uniformity

Electronic Driver :

Powered by inbuilt, constant current multistage isolated LED driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit Protection, Over Voltage protection, 6.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :

Surface mounting using fixed MS bracket of thickness 3.0 mm provided with the fixture by 3 circular slots of 10mm Ø at center distance of 60mm.Recommended mounting height with suitable in ground reinforcement is 7-10 m.

APPLICATIONS :

- Steel Plants & Foundries
- Manufacturing assembly lines
- Factories & Workshops
- Warehouse
- Indoor Stadium

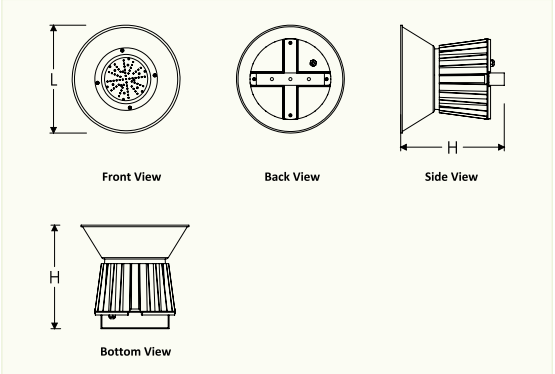
Note: *HighBay Luminaries are provided with additional 10kV Built in surge protection device (SPD).*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLBL 525 / 100	PLBL 525 / 40 / 700	87	100	230	0.46	13050
PLBL 525 / 150	PLBL 525 / 60 / 700	131	150	230	0.69	19550

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLBL 525 / 100	310 Ø	310 Ø	225	3.650
PLBL 525 / 150	310 Ø	310 Ø	275	4.900

PAR LED
LIGHT OF INDIA

BAY GLOW

Bay Glow, an energy-efficient LED bay light, is the ideal lighting choice for industrial applications. Its specially designed heat sink incorporates aesthetics and excellent thermal management and high performance, with best-in-class system lumen efficacy of 135 lm/W, it serves right light levels required in application areas that demand precision.



FEATURES & BENEFITS

- Luminary efficacy reaches 105 lumens/Watt, ensures more than 55% of energy saving when compared with HID lamp.
- Specially designed heat sink for faster and effective heat dissipation.
- LM-80 compliant high efficiency & Photo biologically safe LEDs
- High performance electronic driver with high voltage protection, Surge protection & OC/SC/OT protection.
- Along with the additional 10kV/5kA built-in surge protection device.
- Multiple lumen packages and optics to fulfil majority of lighting application needs.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- Lifetime of over 40000 hours.
- IP65 level of protection against dust penetration & low pressure water jets from any direction.

PRODUCT SPECIFICATIONS

Housing & Glass Frame :
Epoxy powder coated finished Cast aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Tempered protective toughened glass sealed with frame and fixed to the housing with SS screws. Silicon gasket and Cable gland is used for maintaining ingress protection.

Optics :
Optional High efficiency polycarbonate modular Lens plate of (60º/90º) for narrow & wide beam angle to ensure better uniformity of symmetrical light distribution.

Light source :
High efficiency long life LED module with SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥135 lm/W with beam angle 120º for uniform distribution.

Electronic Driver :
Built in potted constant current isolated LED driver with lower THD, PF ≥0.95, Output Open /Short Circuit protection, Over Voltage protection, 4kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13.

Mounting & Maintenance :
Surface mounting using fixed MS bracket of thickness 2.0 mm provided with the fixture by 2 capsule slots of 10mm Ø at center distance of 90mm. Recommended mounting height with suitable in ground reinforcement is 7-10 m.

APPLICATIONS :
- Harsh Industry Application
- power plant
- Cement Factories
- Foundries
- Warehouse

Note: *Bay Glow Luminaires are provided with additional 10kV Built in surge protection device.*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLBL 528 / 60	PLBL 528 / 72 / 125	52	60	230	0.27	6700
PLBL 528 / 100	PLBL 528 / 120 / 125	87	100	230	0.46	11150
PLBL 528 / 150	PLBL 528 / 180 / 125	131	150	230	0.69	16750
PLBL 528 / 200	PLBL 528 / 240 / 125	174	200	230	0.92	22300

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING

DIMENSION

Product Code	Dimension in mm W	Dimension in mm H	Approx Weight
PLBL 528 / 60	185 Ø	110	1.450
PLBL 528 / 100	230 Ø	115	2.100
PLBL 528 / 150	320 Ø	130	4.300
PLBL 528 / 200	320 Ø	130	4.470

PAR LED
LIGHT OF INDIA

WELL GLASS

LED Well Glass light is design to replace traditional well glass of 70W HPSV, 125W HPMV & 160W MLL Lamp with only 35% of the load for similar illumination. Its specially designed patented conical shape cast aluminium heat sink ensures excellent thermal management and illuminate the area @ 270° uniformly like traditional lamp. It is a perfect LED solution for industry of harsh condition like power plant, foundries, and non hazardous area in chemical and petrochemical industry. Compared to conventional HID Well Glass, it improves reliability, comfort, while reducing energy and maintenance cost dramatically.



FEATURES & BENEFITS

- Luminary efficacy reaches 150 lumens/Watt, ensures more than 65% of energy saving when compared with HID lamp.
- Specially designed heat sink for faster and effective heat dissipation.
- Patented conical shape Led Light creating outstanding illuminance in industrial lighting applications.
- LM-80 compliant high efficiency EMC Package & Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- High Voltage Cut off @ 310 ± 15V with Auto Restart feature.
- Along with the additional 10kV/5kA built-in surge protection device.
- High quality of light by increase CRI up to 80 for all colour temperature.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- Lifetime of over 40000 hours.
- IP65 level of protection against dust penetration & low pressure water jets from any direction.

PRODUCT SPECIFICATIONS

Housing & Finished :
Epoxy powder coated finished Cast aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance.

Glass Cover :
Polycarbonate molded glass cover sealed with frame and fixed to the housing with SS screws. Silicon gasket and Cable gland is used for maintaining ingress protection.

Light source :
High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥160 lm/W with beam angle 120° for uniform distribution.

Electronic Driver :
Built in potted constant current multistage isolated LED driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit protection, Over Voltage protection, 6.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :
Suspended by means of heavy duty electroplated, forged eye-bolt provided with the Fixture.

APPLICATIONS :
- Harsh Industry Application
- Power plant
- Cement Factories
- Foundries
- Warehouse

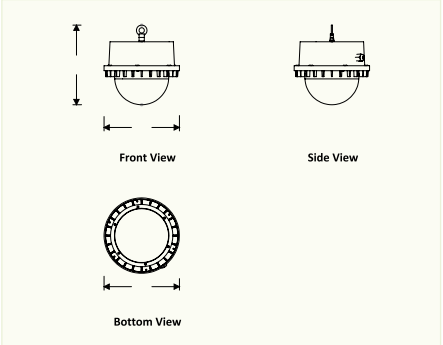
Note: *Well Glass Luminaires are provided with additional 10kV Built in surge protection device.*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLWW 530 / 35	PLWW 530 / 48 / 100	30	35	230	0.16	4700
PLWW 530 / 40	PLWW 530 / 48 / 110	35	40	230	0.18	5000
PLWW 530 / 50	PLWW 530 / 80 / 90	44	50	230	0.23	7600
PLWW 530 / 60	PLWW 530 / 80 / 110	52	60	230	0.27	8000

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm W	Dimension in mm H	Approx Weight
PLWW 530 / 35	175 Ø	210	1.450
PLWW 530 / 40	175 Ø	210	1.450
PLWW 530 / 50	175 Ø	210	1.650
PLWW 530 / 60	175 Ø	210	1.650

PAR LED
LIGHT OF INDIA

WELL GLASS - ECO

The LED Well Glass, equipped with a specially designed heat sink, ensures excellent thermal management, delivering consistent light output with a best-in-class system efficacy of 135 lm/W. It provides the optimal light levels required for industries operating in harsh conditions, such as power plants, foundries, and non-hazardous areas within the chemical and petrochemical sectors, where precision is essential.



FEATURES & BENEFITS

- Luminary efficacy reaches 100 lumens/Watt, ensures more than 65% of energy saving when compared with HID lamp.
- Specially designed heat sink with epoxy coating ensures seamless operations in harsh environments.
- LM-80 compliant high efficiency & Photo biologically safe LEDs
- High performance electronic driver with high voltage protection, Surge protection & OC/SC/OT protection.
- Along with the additional 10kV/5kA built-in surge protection device.
- High quality of light by increase CRI up to 80 for all colour temperature.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- Lifetime of over 35000 hours.
- IP65 level of protection against dust penetration & low pressure water jets from any direction.

PRODUCT SPECIFICATIONS

Housing &Finished :
Epoxy powder coated finished Cast aluminium housing (heat sink) for effective thermal management, sturdiness &excellent corrosion resistance.

Glass Cover :
Polycarbonate molded glass cover available with opal finish for glare free light distribution fixed to the housing with SS screws. Silicon gasket and Cable gland is used for maintaining ingress protection.

Light source :
High efficiency long life LED module with SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥135 lm/W with beam angle 120° for uniform distribution.

Electronic Driver :
Built in potted constant current isolated LED driver with lower THD, PF ≥0.95, Output Open /Short Circuit protection, Over Voltage protection, 4kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13.

Mounting & Maintenance :
Suspended by means of electroplated, forged eye-bolt provided with the Fixture.

APPLICATIONS :
- Harsh Industry Application
- Power plant
- Cement Factories
- Foundries
- Warehouse

Note: *Well Glass Luminaires are provided with additional 10kV Built in surge protection device.*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLWW 5300 / 36	PLWW 5300 / 36 / 150	31	36	230	0.16	3600
PLWW 5300 / 50	PLWW 5300 / 60 / 125	44	50	230	0.23	5000
PLWW 5300 / 72	PLWW 5300 / 90 / 125	63	72	230	0.33	7400

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING

DIMENSION

Product Code	Dimension in mm W	H	Approx Weight
PLWW 5300 / 36	145 Ø	140	0.700
PLWW 5300 / 50	185 Ø	160	0.950
PLWW 5300 / 72	185 Ø	160	1.200

PARLED
LIGHT OF INDIA

CLEAN ROOM LUMINAIRS



In applications where hygiene is crucially important, such as hospitals and food production facilities, customers want proven IP65 and IP54-rated luminaires that are safe to use and come at an attractive price. PARLED Lighting brings to you a clean room luminaire represent true value of money, high quality light and giving a consistent performance in light output and achieved an over 50,000 hour lifespan.This LED clean room luminaire are design for rear opening & front opening.



FEATURES OF LED PHARMA

- Value-for-money investment
- Low maintenance due to the long lifetime of the luminaire
- Meets Uniform light-level throughout the surface
- IP-55 level protection against limited dust ingress & Spray water from any direction

PAR LED
LIGHT OF INDIA

PHARMA STAR

Environment friendly Cleanroom luminaire is an energy efficient light designed to replacement of conventional cleanroom of 2-36W PL & 3-36W PL & 4-24W T5 fluorescent Lamp. It's specially designed fabricated aluminium heatsink ensuring excellent thermal management resulting in long service life.Option of Satin finish HET diffuser / frosted toughened glass sealed with bottom frame using non-hygroscopic VHB gasket to ensure dust proofing. These light illuminating the uniform dispersion and more energy-efficient compared to PL-L and TL-D lights without adversely affecting the environment.



FEATURES & BENEFITS

- Luminary efficacy reaches 110 lumens/Watt, which gives more than 50% of energy saving when compared with conventional light.
- Aluminium heat sink for Excellent Thermal Management ensures long service life..
- LM-80 compliant high efficiency &Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- High Voltage Cut off @ 310 ± 15V with Auto Restart feature.
- Along with the additional 10kV/5kA built-in surge protection device.
- High quality of light by increase CRI up to 80 for all colour temperature.
- Uniform and glare-free lighting.
- No harmful UV & IR radiation
- Median useful life $L_{70}B_{50}$ 50000 hours
- IP-55 level protection against limited dust ingress & Spray water from any direction

PRODUCT SPECIFICATIONS

Housing & Finished :
Epoxy powder coated finished fabricated CRCA sheet housing with aluminum heat sink ensuring a better heat dissipation& excellent corrosion resistance.

Diffuser / Toughened Glass :
Optional Tempered protective toughened glass / HET diffuser sealed with bottom frame by using VHB gasket to ensure dust proofing and fixed to the housing with SS screws.

Light source :
High efficiency long life LED module with SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥140 lm/W and viewing angle of 120° to ensure better uniformity.

Electronic Driver :
Powered by inbuilt, constant current multistage isolated LED potted driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit protection, Over Voltage protection, 6.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :
provided with height adjustable clamp (up to 75mm) mechanism for proper fixing and alignment.

APPLICATIONS :
- Pharmaceutical industries
- Food & beverage process industries
- Micro Electrical Industries
- Laboratories

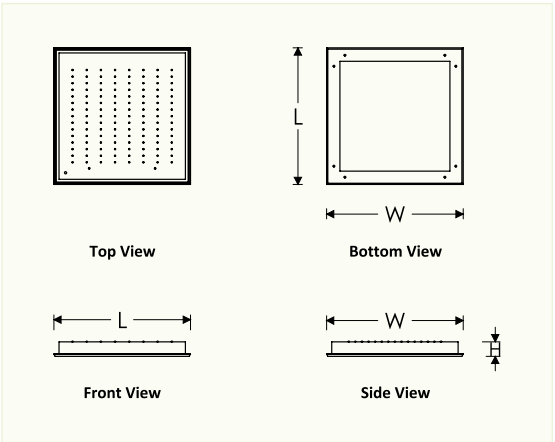
Note: *Pharma Star luminaires are provided with additional 10kV built in surge protection device.*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLPL 531 / 25	PLPL 531 / 120 / 55	22	25	230	0.11	2650
PLPL 531/ 45	PLPL 531 / 224 / 55	39	45	230	0.21	4900

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing.*

TECHNICAL DRAWING



DIMENSION WITH PC DIFFUSER

Product Code	Dimension in mm L	W	H	Approx Weight
PLPL 531 / 25	320	320	80	2.700
PLPL 531/ 45	620	620	80	6.100

CUT OFF SIZE

Product Code	Dimension in mm L	W
PLPL 531 / 25	300	300
PLPL 531/ 45	600	600

PARLED
LIGHT OF INDIA

COMMERCIAL LUMINAIRS



LEDs form the most significant technology change in the lighting industry.Creative lighting solutions not just illuminate spaces but also creates inspiring environments. With the latest technology, PARLED brings to you a wide range of luminaires for residence, offices OR retail spaces– that maximize the appeal of your space with significant energy saving.









PAR LED
LIGHT OF INDIA

HOME STAR

Homestar is a general purpose LED slim light luminaire for various lighting applications, such as home lighting, Worktable, small offices and other general applications. Homestar is highly system efficient that delivers significant energy savings of up to 60% as compared to conventional T8 lamp. It comes with a choice of smooth, easy to-clean opal covers.



FEATURES & BENEFITS

- An attractive design that blends in perfectly with all interiors.
- Integrated design, slim profile, easy to install.
- Choice of smooth, easy-to-clean opal or prismatic covers.
- High system efficacy, resulting in up to 60% energy savingsCompared with conventional FTL Tube lights.
- Reliable and robust housing structure, maximise the endurance over the life time of over 30, 000 hours.
- World Class, approbated quality components (LEDs/Driver / etc.)
- Good Color uniformity and color rendering (CRI>80).
- Environment-friendly as it does not contain Mercury.
- No harmful UV & IR radiation.
- Instant light with low running temperatures.

PRODUCT SPECIFICATIONS

Housing & Glass Frame :
Epoxy powder coated finished Extruded aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance

Light source :
High efficiency long life LED module with plastic package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥135 lm/W and viewing angle of 120° to ensure better uniformity.

Mounting & Maintenance :
Can be fixed directly into the wall/ ceiling by mounting SS clips provided with the fixture..

Optics :
High transmittance opal diffuser for glare free symmetric light distribution. End caps White finish ABS end caps are snap-fitted to the fixture.

Electronic Driver :
Powered by an inbuilt, constant current isolated LED driver with <20% THD, PF ≥0.95, Output Open /Short CircuitProtection, Over Voltage protection, 2.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

APPLICATIONS :
- Residences
- Showrooms
- Cove lighting
- Hospital premises
- Educational institutions
- Corridors

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLHL 541 / 20	PLHL 541 / 100 / 55	17	20	230	0.09	2100
PLHL 541 / 24	PLHL 541 / 120 / 55	20	24	230	0.11	2500
PLHL 541 / 40	PLHL 541 / 200 / 55	34	40	230	0.18	4200

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING

DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLHL 541 / 20	1190	20	35	-
PLHL 541 / 24	1190	20	35	-

PAR LED
LIGHT OF INDIA

WALL GALAXY

Wall light is a general purpose LED light luminaire for various lighting applications, such as home lighting, Work Table, Make up room and other general applications. These light illuminating the uniform dispersion and more energy-efficient compared to PL-L and TL-D lights without adversely affecting the environment.



FEATURES & BENEFITS

- An attractive design that blends in perfectly with all interiors.
- Integrated design, easy to install.
- Uniform and diffused lighting effect.
- High system efficacy, resulting in up to 60% energy savingsCompared with conventional TL-D lamp.
- Reliable and robust housing structure, maximise the endurance over the life time of over 30, 000 hours.
- World Class, approbated quality components (LEDs/Driver / etc.)
- Good Color uniformity and color rendering (CRI>80).
- Environment-friendly as it does not contain Mercury.
- No harmful UV & IR radiation.
- Instant light with low running temperatures.

PRODUCT SPECIFICATIONS

Housing & Glass Frame :
Epoxy powder coated finished aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance

Light source :
High efficiency long life LED module with plastic package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥135 lm/W and viewing angle of 120° to ensure better uniformity.

Mounting & Maintenance :
Can be fixed directly into the wall/ ceiling by mounting SS clips provided with the fixture..

Optics :
High transmittance polystyrene opal diffuser for glare free symmetric light distribution.

Electronic Driver :
Powered by an inbuilt, constant current isolated LED driver with <20% THD, PF ≥0.95, Output Open /Short CircuitProtection, Over Voltage protection, 2.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

APPLICATIONS :
- Residences
- Washrooms
- Cove lighting
- Staircase
- Corridor

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLWL 542 / 20	PLWL 542 / 100 / 55	17	20	230	0.09	2200

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING

DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLWL 542 / 20	475	65	80	-

PAR LED
LIGHT OF INDIA

WALL STAR

LED Wall mounted is designed for general lighting applications. It features the latest LED technology, resulting in low power consumption compared to a typical CFL lamp, and delivers consistent light output, stable color performance and high color rendering. They are very easy to install, and their long lifetime means an end to the hassle of relamping.



FEATURES & BENEFITS

- An attractive design that blends in perfectly with all interiors.
- Integrated design, easy to install.
- High system efficacy, resulting in up to 60% energy savings Compared with conventional CFL lamp.
- Reliable and robust housing structure, maximise the endurance over the life time of over 30, 000 hours.
- World Class, approbated quality components (LEDs/Driver / etc.)
- Good Color uniformity and color rendering (CRI>80).
- Environment-friendly as it does not contain Mercury.
- No harmful UV & IR radiation.
- Instant light with low running temperatures.

PRODUCT SPECIFICATIONS

Housing & Glass Frame :
Epoxy powder coated finished Extruded aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance

Light source :
High efficiency long life LED module with plastic package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥135 lm/W and viewing angle of 120° to ensure better uniformity.

Mounting & Maintenance :
Can be fixed directly into the wall by provided key slot with the fixture.

Optics :
High transmittance polystyrene opal diffuser for glare free symmetric light distribution.

Electronic Driver :
Powered by an inbuilt, constant current isolated LED driver with <20% THD, PF ≥0.95, Output Open /Short CircuitProtection, Over Voltage protection, 2.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

APPLICATIONS :
- Residences
- Washrooms
- Cove lighting
- Staircase
- Corridor

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLWL 543 / 6	PLWL 543 / 36 / 50	5.5	6	230	0.03	750

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING

DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLWL 543 / 6	100	100	160	-

PAR LED
LIGHT OF INDIA

CEILING GALAXY

LED Ceiling range delivers the advantages of LED technology in surface mount ceiling luminaires. These are an ideal replacement for older incandescent, Eco halogen or fluorescent based lamps. The LED light sources used are up to75% more energy efficient versus traditional light sources. LED deliver longer life than conventional light sources with up to 50,000 hours. The range offers a choice of 2 popular sizes and warm white or cool white color temperatures.



FEATURES & BENEFITS

- Delivers excellent illumination & comfort in high ceiling areas.
- Integrated design, easy to install.
- Uniform and diffused lighting effect.
- High system efficacy, resulting in up to 60% energy savings Compared with conventional TL-D lamp.
- Reliable and robust housing structure, maximise the endurance over the life time of over 30, 000 hours.
- World Class, approbated quality components (LEDs/Driver / etc.)
- Good Color uniformity and color rendering (CRI>80).
- Environment-friendly as it does not contain Mercury.
- No harmful UV & IR radiation.
- Instant light with low running temperatures.

PRODUCT SPECIFICATIONS

Housing & Glass Frame :
Epoxy powder coated finished Spun aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance

Optics :
High transmittance molded opal diffuser for glare free symmetric light distribution.

Light source :
High efficiency long life LED module with plastic package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥135 lm/W and viewing angle of 120° to ensure better uniformity.

Electronic Driver :
Powered by an inbuilt, constant current isolated LED driver with <20% THD, PF ≥0.95, Output Open /Short CircuitProtection, Over Voltage protection, 2.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :
Can be fixed directly into the ceiling by provided 3 Nos holes with the fixture.

APPLICATIONS :
- Residences
- Retail Stores
- Restaurants
- Hotel lobbies / Waiting areas
- Modern gyms

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLCL 545 / 6	PLCL 545 / 36 / 50	5.5	6	230	0.03	750
PLCL 545 / 18	PLCL 545 / 100 / 50	16	18	230	0.08	2100

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING

DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLCL 545 / 6	220 Ø	220 Ø	70	-
PLCL 545 / 20	280 Ø	280 Ø	90	-

PAR LED
LIGHT OF INDIA

CEILING STAR

LED Surface mounted is designed for general lighting applications in offices and retail outlets. It features the latest LED technology, resulting in low power consumption compared to a typical CFL downlight, and delivers consistent light output, stable color performance and high color rendering. They are very easy to install, and their long life me means an end to the hassle of relamping.



FEATURES & BENEFITS

- An attractive design that blends in perfectly with all interiors.
- Integrated design, easy to install.
- High system efficacy, resulting in up to 60% energy savings Compared with conventional CFL lamp.
- Reliable and robust housing structure, maximise the endurance over the life time of over 30, 000 hours.
- World Class, approbated quality components (LEDs/Driver / etc.)
- Good Color uniformity and color rendering (CRI>80).
- Environment-friendly as it does not contain Mercury.
- No harmful UV & IR radiation.
- Instant light with low running temperatures.

PRODUCT SPECIFICATIONS

Housing & Glass Frame :
Epoxy powder coated finished Extruded aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance

Light source :
High efficiency long life LED module with plastic package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥135 lm/W and viewing angle of 120° to ensure better uniformity.

Mounting & Maintenance :
Can be fixed directly into the ceiling by provided 2 Nos holes with the fixture.

Optics :
High transmittance polystyrene opal diffuser for glare free symmetric light distribution.

Electronic Driver :
Powered by an inbuilt, constant current isolated LED driver with <20% THD, PF ≥0.95, Output Open /Short CircuitProtection, Over Voltage protection, 2.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

APPLICATIONS :
- Residences
- Washrooms
- Cove lighting
- Staircase
- Corridor

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLCL 546 / 6	PLCL 546 / 36 / 50	5.5	6	230	0.03	750

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING

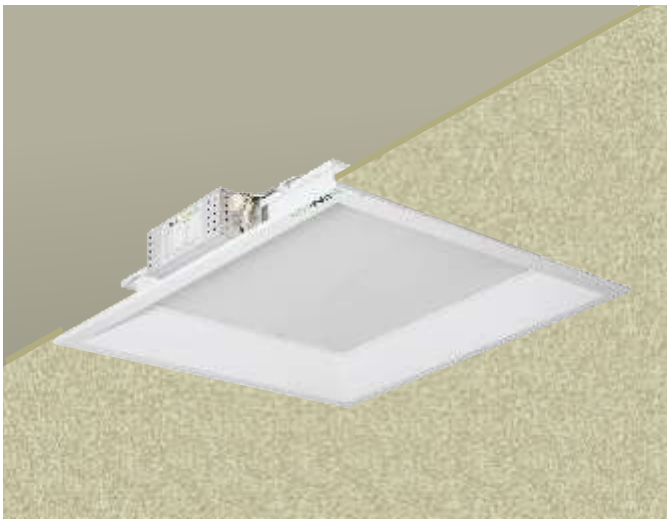
DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLCL 546 / 6	100	100	65	-

PAR LED
LIGHT OF INDIA

OFFICE GLOW

Designed with architectural precision, the recessed-mounted Office Glow LED luminaries is an ideal for modern office environments. It provides uniform, glare-free lighting, enhancing both comfort and productivity. Suitable for Armstrong Grid Ceilings (600mm x 600mm), this energy-efficient and long-lasting LED fixture integrates seamlessly with contemporary office interiors.



FEATURES & BENEFITS

- Thoughtfully designed with sleek and seamless aesthetics
- High efficacy LEDs ensure a uniform and optimum light output
- Reduces energy consumption by up to 60% versus conventional PL-L lamp.
- Special grade HET diffuser for glare free lighting.
- LM-80 compliant high efficiency & Photo biologically safe LEDs
- High performance electronic driver ensure no maintenance.
- High quality of light by increase CRI up to 80 for all colour temperature.
- Lifetime of over 50, 00 hours at L70, which requires no lamp replacement after installation
- Easy to replace 2x2 luminaires.

PRODUCT SPECIFICATIONS

Housing & Finish :
CRCA housing & Front frame finished by white powder coating for sturdiness and resist to corrosion

Optics :
High transmittance polystyrene opal diffuser for glare-free symmetric light distribution.

Light Source :
High efficiency long life LED module with plastic package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥135 lm/W and viewing angle of 120° to ensure better uniformity.

Electronic Driver :
Powered by built-in constant current Isolated LED driver with Output open / Short-circuit protection, Surge Protection.

Mounting :
Suitable only for Armstrong/Grid ceiling

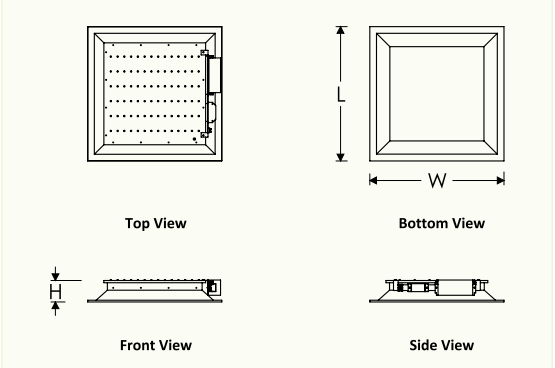
Application :
- Corporate offices
- Banks
- Conference Room
- Hospital & Hotel lobbies / Waiting areas
- Reception Areas
- Lecture Halls

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLRL 551 / 60	PLRL 551 / 144 / 120	54	60	230	0.30	6300

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



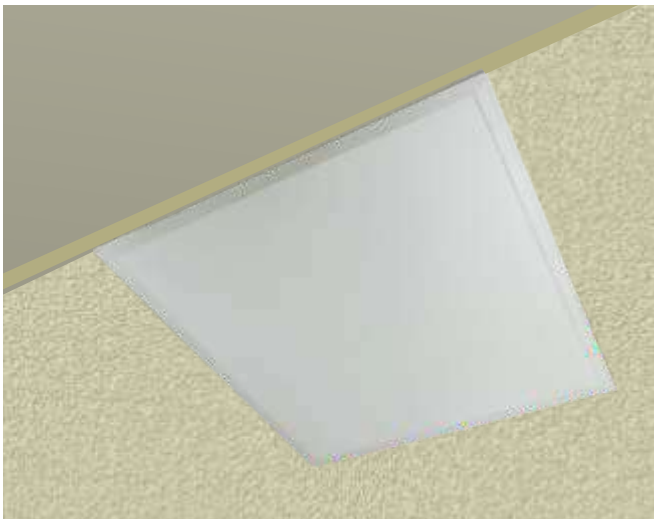
DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLRL 551 / 60	600	600	95	-

PAR LED
LIGHT OF INDIA

OFFICE STAR

The Office Star recessed-mounted LED luminaire is a smart lighting solution for office spaces. Its glare-free, even illumination makes it perfect for productive work environments. Designed for Armstrong 600x600mm grid ceilings, it combines energy efficiency, durability, and sleek design.



FEATURES & BENEFITS

- Its sleek and seamless design adds to overall visual appearance of the modern workspaces.
- Long life & photo biologically safe LED's ensure a uniform and optimum light output
- Reduces energy consumption by up to 60% versus conventional PL-L lamp.
- High Efficiency Transclucent (HET) diffuser for better light transmission to create perfect diffusion of light
- High performance electronic driver ensure no maintenance.
- High quality of light by increase CRI up to 80 for all colour temperature.
- Lifetime of over 50, 00 hours at L70, which requires no lamp replacement after installation
- Easy to replace 2x2 luminaires.
- Light weight design effectively allow for easy installation.

PRODUCT SPECIFICATIONS

Housing & Finish :
CRCA housing & Front frame finished by white powder coating for sturdiness and resist to corrosion

Optics :
High transmittance polystyrene opal diffuser for glare-free symmetric light distribution.

Light Source :
High efficiency long life LED module with plastic package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥135 lm/W and viewing angle of 120° to ensure better uniformity.

Electronic Driver :
Powered by built-in constant current Isolated LED driver with Output open / Short-circuit protection, Surge Protection.

Mounting :
Suitable only for Armstrong/Grid ceiling

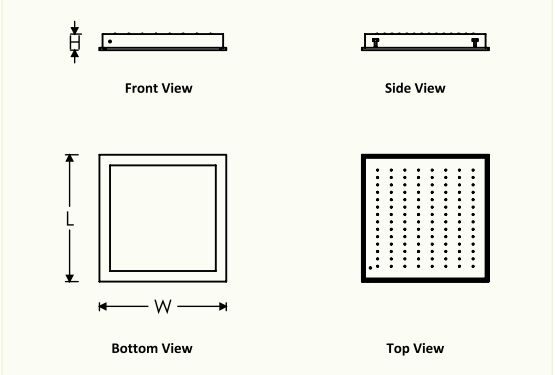
Application :
- Conference Room
- Corporate offices
- Banks
- Hospital & Hotel lobbies / Waiting areas

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLRL 552 / 40	PLRL 552 / 36 / 150	35	40	230	0.18	3800

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLRL 551 / 60	600	600	30	-

PAR LED
LIGHT OF INDIA

OFFICE SHINE

"The architecturally designed recessed-mounted Office shine is an ideal choice for office luminaires. It is engineered to deliver glare-free and uniform illumination, enhancing visual comfort in office spaces. The Office Shine is a recessed-mounted LED luminaire, specifically suitable for Armstrong Grid Ceilings (600mm x 600mm). This recess mounted LED light is an energy-efficient, long-lasting, and seamlessly blends with modern office interiors.



FEATURES & BENEFITS

- Excellent heat dissipation through special design of MCPCB and housing
- Long life & photo biologically safe LED's ensure a uniform and optimum light output
- Reduces energy consumption by up to 60% versus conventional PL-L lamp.
- High Efficiency Transclucent (HET) diffuser for glare free lighting
- High performance electronic driver ensure no maintenance.
- High quality of light by increase CRI up to 80 for all colour temperature.
- Lifetime of over 50, 00 hours at L70, which requires no lamp replacement after installation
- Easy to replace 2x2 luminaires.

PRODUCT SPECIFICATIONS

Housing & Finish :
CRCA housing & Front frame finished by white powder coating for sturdiness and resist to corrosion

Optics :
High transmittance polystyrene opal diffuser for glare-free symmetric light distribution.

Light Source :
High efficiency long life LED module with plastic package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥135 lm/W and viewing angle of 120° to ensure better uniformity.

Electronic Driver :
Powered by built-in constant current Isolated LED driver with Output open / Short-circuit protection, Surge Protection.

Mounting :
Suitable only for Armstrong/Grid ceiling

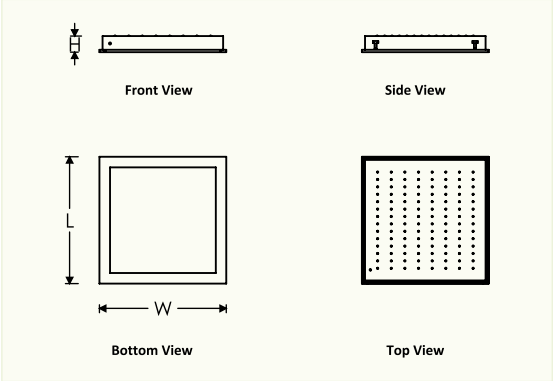
APPLICATIONS :
- Corporate offices
- Banks
- Conference Room
- Reception Areas
- Lecture Halls

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLRL 555 / 25	PLRL 555 / 120 / 55	22	25	230	0.11	2400
PLRL 555 / 45	PLRL 555 / 224 / 55	39	45	230	0.20	4900

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLRL 555 / 25	300	300	55	-
PLRL 555 / 45	600	600	55	-

PAR LED
LIGHT OF INDIA

CIRCULAR DOWN LIGHT

LED down light Featuring a simple integrated design and high system efficacy. It conforms to general lighting norms for offices, shops and other indoor applications. Also offers very good color rendering, while a diffuser cover ensures superior uniformity and glare control. Its long lifetime makes it a true 'fit and forget' solution. This down light can be used in environments requiring a 'green' general lighting solution, for instance offices, shops, hotels and hospitals.



FEATURES & BENEFITS

- High system efficacy, resulting in up to 70% energy savingsCompared with conventional CFL down lights.
- Uniform and diffused lighting effect.
- Optimized heat sink design, enabling 50k hrs long lifetime.
- High performance electronic driver ensures zero maintenance
- Better color consistency.
- Multiple lumen packages and optics to suit most interior applications
- Environment-friendly as it does not contain Mercury.
- No harmful UV & IR radiation.
- Instant light with low running temperatures.
- Quick installation, easy to install.
- Multiple lumen packages and optics to suit most interior applications.

PRODUCT SPECIFICATIONS

Housing & Glass Frame :
Epoxy powder coated finished Cast aluminium alloy housing andaluminium sheet used as a back cover (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance.

Optics :
High transmittance polystyrene opal diffuser for glare free symmetric light distribution.

Light source :
High efficiency long life LED module with plastic package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥135 lm/W and viewing angle of 120° to ensure better uniformity.

Electronic Driver :
Powered by an independent, constant current isolated LED driver with <20% THD, PF ≥0.95, Output Open /Short CircuitProtection, Over Voltage protection, 2.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :
Fixing into false ceiling by means of 2 nos. SS springs clips

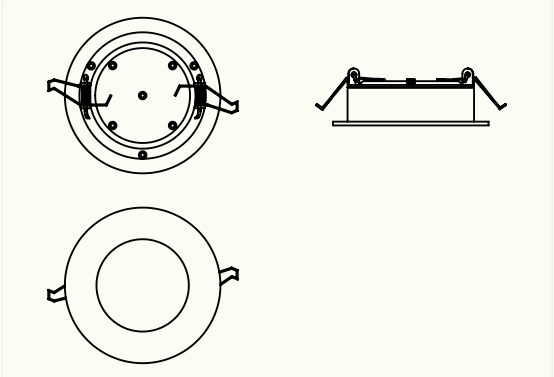
APPLICATIONS :
- Shopping malls
- Restaurants
- Hotel lobbies / Waiting areas
- Modern gyms / Spa
- Corporate offices

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLDL 561 / 6	PLDL 561 / 36 / 50	5.5	6	230	0.03	750
PLDL 561 / 12	PLDL 561 / 64 / 50	10.5	12	230	0.05	1350
PLDL 561 / 18	PLDL 561 / 100 / 50	16.5	18	230	0.08	2100

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Outer Frame Dimension W	H	Cutoff Dimension W
PLDL 561 / 6	125 Ø	35	100 Ø
PLDL 561 / 12	150 Ø	35	125 Ø
PLDL 561 / 18	175 Ø	35	150 Ø

PAR LED
LIGHT OF INDIA

SQUARE DOWN LIGHT

Square back family has extremely low power consumption of this LED solution results in significant energy saving compared with traditional CFL down lights. There is also range of different sizes and outputs, and an array of different accessories, ensuring maximum flexibility in customizing the right light effect for your application. Best of all, this family of luminaires delivers specification grade performance and better glare control. These down lights are ideal for applications in offices, shops, hotels and hospitals where an energy efficient general lighting solution is needed.



FEATURES & BENEFITS

- High system efficacy, resulting in up to 60% energy savingsCompared with conventional CFL down lights.
- Uniform and diffused lighting effect.
- Optimized heat sink design, enabling 50k hrs long lifetime.
- High performance electronic driver ensures zero maintenance
- Better color consistency.
- Multiple lumen packages and optics to suit most interior applications
- Environment-friendly as it does not contain Mercury.
- No harmful UV & IR radiation.
- Instant light with low running temperatures.
- Quick installation, easy to install.
- Multiple lumen packages and optics to suit most interior applications.

PRODUCT SPECIFICATIONS

Housing & Glass Frame :
Epoxy powder coated finished Extruded aluminium housing andAluminium sheet used as a back cover (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance

Optics :
High transmittance polystyrene opal diffuser for glare free symmetric light distribution.

Light source :
High efficiency long life LED module with plastic package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥135 lm/W and viewing angle of 120° to ensure better uniformity.

Electronic Driver :
Powered by an independent, constant current isolated LED driver with <20% THD, PF ≥0.95, Output Open /Short CircuitProtection, Over Voltage protection, 2.5kV Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :
Fixing into false ceiling by means of 2 nos. SS springs clips

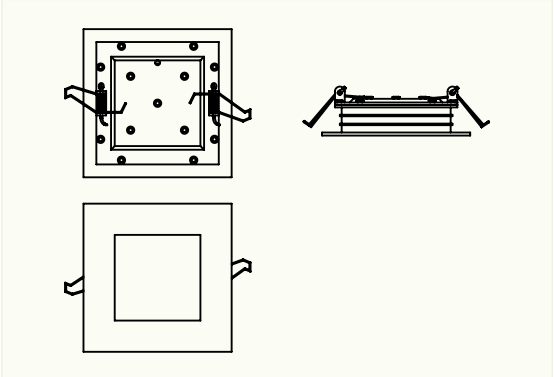
APPLICATIONS :
- Shopping malls
- Restaurants
- Hotel lobbies / Waiting areas
- Modern gyms / Spa
- Corporate offices

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLDL 563 / 6	PLDL 563 / 36 / 50	5.5	6	230	0.03	750
PLDL 563 / 12	PLDL 563 / 64 / 50	10.5	12	230	0.05	1350
PLDL 563 / 18	PLDL 563 / 100 / 50	16.5	18	230	0.08	2100
PLDL 563 / 24	PLDL 563 / 125 / 50	20.5	24	230	0.11	2600

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Outer Frame Dimension L	W	H	Cutoff Dimension L	W
PLDL 563 / 6	125	125	20	100	100
PLDL 563 / 12	150	150	20	125	125
PLDL 563 / 18	175	175	20	150	150
PLDL 563 / 25	200	200	20	175	175

PARLED
LIGHT OF INDIA

FLAME PROOF LUMINAIRS



Explosion proof lighting is integral for any business that operates in hazardous environments, where potentially explosive gases and vapors are present. Employees working in a hazardous environment are constantly exposed to the threat of potential explosions that may occur if safety precautions are not implemented properly.

Therefore, it is imperative for you to understand the numerous benefits that explosion proof lighting can benefit your business and the safety of your workers. So, we highly encourage you to incorporate the use of explosion proof lights especially if your business operates in a confined space at a hazardous location. Moreover, the low visibility and mobility of confined spaces, such as oil rigs and petrochemical plants, makes it necessary to install explosion proof lights.

PARLED offers a wide range of ERTL/PESO certified explosion proof lighting fixtures to cater to your business needs. All of our lighting solutions are customized to meet the strict guidelines and standards in the industry as well as deliver high quality lighting, illuminate more and creates a high performance work environment with significant power saving.









PAR LED
LIGHT OF INDIA

FLP CLEANROOM

The energy-saving FLP clean room luminaires, designed to replace conventional 2x18W and 2x36W PL lamps, ensure excellent thermal management with their single-piece cast aluminum heat sink cum housing, providing consistent, glare-free lighting that enhances worker productivity and reduces errors.



FEATURES & BENEFITS

- Higher system efficiency up to 130 lumens/Watt
- Reduces energy consumption by up to 50% versus conventional light.
- Maintain "Zero Air Gap" between MCPCB and cast aluminium modules ensures fastest heat dissipation.
- LM-80 compliant EMC package high efficiency & Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- High Voltage Cut off @ 310 ± 15V with Auto Restart feature.
- Along with the additional 10kV/5kA built-in surge protection device.
- High quality of light by increase CRI up to 80 for all colour temperature.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- Lifetime of over 50, 00 hours at L70, which requires no lamp replacement after installation
- Complies with IP 65 ingress protection rating ensuring stable and consistent performance over product life time.

PRODUCT SPECIFICATIONS

Housing :
Epoxy powder coated finished Cast aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance.

Glass Frame :
Tempered protective frosted toughened glass sealed with glass frame and fixed to the housing with SS Allen bolts. Neoprene gasket is used for maintaining ingress protection.

Light source :
High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥160 lm/W with beam angle 120° for uniform distribution.

Electronic Driver :
Built in potted constant current multistage isolated LED driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit protection, Over Voltage protection, Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :
Surface mounting using fixed MS bracket of thickness 3.0 mm provided with the fixture by 2 circular slots of 12mm Ø at center distance of 265mm. Recommended mounting height with suitable in ground reinforcement is 3-5 m.

APPLICATIONS :
- R & D Centers
- Chemical Factories Laboratories
- Oil Rings, Refineries & Mines
- Pharma Industries

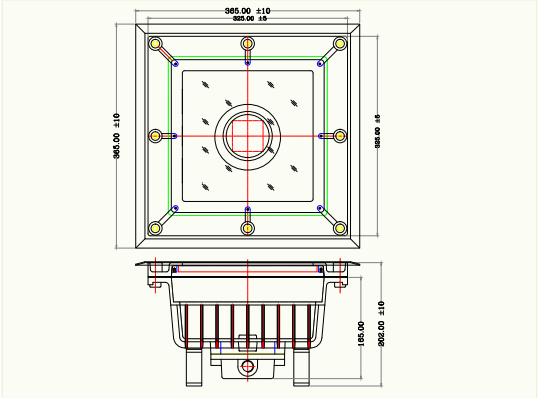
Note: *Clean Room Luminaires are provided with additional 10kV Built in surge protection device (SPD).*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLFC 536 / 30	PLFC 536 / 42 / 100	26	30	230	0.14	3900
PLFC 536 / 50	PLFC 536 / 64 / 100	44	50	230	0.23	6100
PLFC 536 / 60	PLFC 536 / 96 / 100	52	60	230	0.27	7900

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLFC 536 / 30	280	280	150	5.900
PLFC 536 / 50	280	280	150	6.000
PLFC 536 / 60	550	370	175	11.000

CUT OFF SIZE

Product Code	Dimension in mm L	W
PLFC 536 / 30	245	245
PLFC 536 / 50	245	245
PLFC 536 / 60	530	335

PAR LED
LIGHT OF INDIA

FLP TUBE LIGHT

The FLP Tube Light is an affordable replacement of 40W/T8 Tube rod luminaire which efficiently illuminates work areas, creating a brighter and better warehouse or manufacture environment. The FLP Tube light comes with a die cast aluminum housing, borosilicate glass tube and replaceable 20W LED tube rod. This tube light is an easy-to-install and low-maintenance lighting solution is suitable for a variety of applications.



FEATURES & BENEFITS

- Luminary efficacy reaches 110 lumens/Watt, which is gives more than 50% of energy saving when replace to traditional tube rod of 40W.
- Aluminium die-cast housing with IP-66 protection leads to sturdy performance.
- High efficient LED tube rod suited for G13 lamp holders.
- Increase safety and comfort by good quality of light source.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation.
- IP66 level of protection against water and dust.
- Lifetime of over 40000 hours.

PRODUCT SPECIFICATIONS

Housing & Glass Frame :
Epoxy powder coated finished cast aluminium housing for sturdiness & excellent corrosion resistance. Heat resists tempered Borosilicate glass sealed with glass ring and fixed to the housing with SS Allen bolts. Neoprene gasket is used for maintaining ingress protection.

Light source :
High efficiency long life LED tube rod suited for G13 lamp holders along with in-built electronic driver gives a virtually maintenance free service life. Lumen efficacy of LED ≥130 lm/W.

Mounting & Maintenance :
Surface mounting using fixed MS bracket of thickness 2.5 mm provided with the fixture by 2 circular slots of 10mm Ø at center distance of 86mm. Recommended mounting height with suitable in ground reinforcement is 3-5 m.

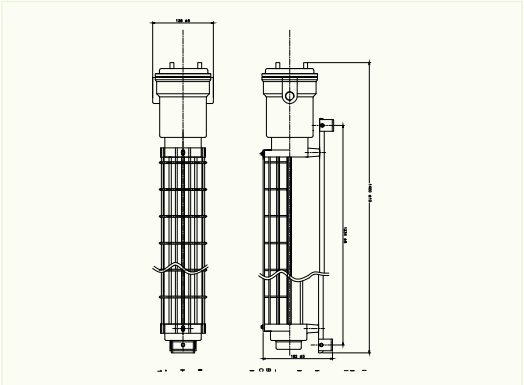
APPLICATIONS :
- Oil Rings & Refineries
- Mines
- Chemical Factories
- Petrochemical Industries

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLFT 537 / 1-20	PLFT 537 / 100 / 55	17	20	230	0.09	2100
PLFT 537 / 2-20	PLFT 537 / 2x100 / 55	34	40	230	0.18	4200

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLFT 537 / 1-20	1550	128	182	6.700
PLFT 537 / 2-20	1550	258	182	12.500

PAR LED
LIGHT OF INDIA

FLP BULKHEAD

The FLP Bulkhead is a highly efficient and reliable LED bay light luminaire, designed as a point-to-point replacement for HID technology in chemical factories and warehouses. Featuring a single-piece die-cast aluminum housing with an integrated heat sink and inbuilt potted driver, it ensures excellent thermal management. This luminaire reduces energy consumption, meets the highest performance standards, delivers outstanding light quality, maintains uniformity, and enhances safety and visual comfort.



FEATURES & BENEFITS

- Higher system efficiency up to 130 lumens/Watt
- Reduces energy consumption by up to 60% versus conventional HID light.
- Maintain "Zero Air Gap" between MCPCB and extruded aluminium modules ensures fastest heat dissipation.
- LM-80 compliant high efficiency & Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- High Voltage Cut off @ 310 ± 15V with Auto Restart feature.
- Along with the additional 10kV/5kA built-in surge protection device.
- High quality of light by increase CRI up to 80 for all colour temperature.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- Lifetime of over 50, 00 hours at L70, which requires no lamp replacement after installation
- Complies with IP 65 ingress protection rating ensuring stable and consistent performance over product life time.

PRODUCT SPECIFICATIONS

Housing & Glass Frame :

Epoxy powder coated finished Cast aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance.

Glass Frame :

Tempered protective toughened glass sealed with glass frame and fixed to the housing with SS Allen bolts. Neoprene gasket is used for maintaining ingress protection.

Light source :

High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥160 lm/W with beam angle 120° for uniform distribution.

Electronic Driver :

Built in potted constant current multistage isolated LED driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit protection, Over Voltage protection, Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :

Surface mounting using fixed MS bracket of thickness 3.0 mm provided with the fixture by 2 circular slots of 12mm Ø at center distance of 265mm. Recommended mounting height with suitable in ground reinforcement is 4-5 m.

APPLICATIONS :

- Oil Rings & Refineries
- Mines
- Chemical Factories
- Petrochemical Industries

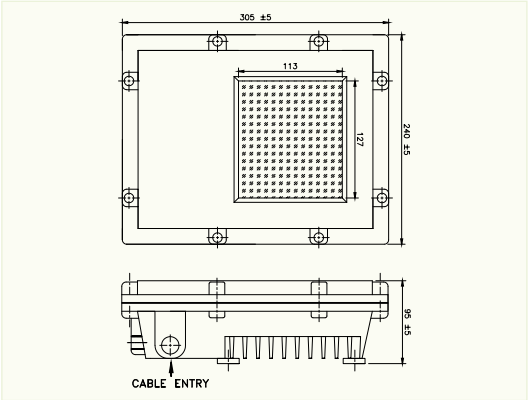
Note: *Bulk Head Luminaires are provided with additional 10kV Built in surge protection device (SPD).*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLFB 538 / 30	PLFB 538 / 42 / 100	26	30	230	0.14	3900
PLFB 538 / 45	PLFB 538 / 42 / 150	39	45	230	0.21	5500

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLFB 538 / 45	305	240	95	4.550

PAR LED
LIGHT OF INDIA

FLP BAY LIGHT

The FLP Bay Light is a high-performance luminaire designed to provide uninterrupted and uniform lighting for industrial applications, making it an ideal solution for areas with mounting heights above 6 meters. It ensures a safe working environment with advanced specifications and comfortable illumination, enhancing worker productivity and reducing errors. Its specially designed aluminum heat sink combines aesthetics with excellent thermal management, delivering consistent light output and achieving a lifespan of over 50,000 hours.



FEATURES & BENEFITS

- Luminary efficacy reaches 130 lumens/Watt, which is gives more than 60% of energy saving with full compliance to Industrial lighting safety standards.
- Maintain "Zero Air Gap" between MCPCB and extruded aluminium modules ensures fastest heat dissipation.
- LM-80 compliant high efficiency & Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- High Voltage Cut-off @ 310 ± 15V with Auto Restart feature.
- Along with the additional 10kV/5kA built-in surge protection device.
- Driver Compartment designed to suit top maintenance.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- Median useful life $L_{70}B_{50}$ 50000 hours
- IP66 level of protection against dust penetration & high pressure water jets from any direction.

PRODUCT SPECIFICATIONS

Housing & Glass Frame :

Epoxy powder coated finished Cast aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Heat resists tempered glass sealed with glass ring and fixed to the housing with SS Allen bolts. Neoprene gasket is used for maintaining ingress protection.

Driver Compartment :

Epoxy powder coated finished Cast aluminium housing for sturdiness & excellent corrosion resistance.

Neoprene gasket is used for maintaining ingress protection.

Light source :

High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥160 lm/W with beam angle 120° for uniform distribution.

Electronic Driver :

Built in potted constant current multistage isolated LED driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit protection, Over Voltage protection, Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :

Surface mounting using fixed MS bracket of thickness 4.0 mm provided with the fixture by 3 circular slots of 12mm Ø at center distance of 60mm. Recommended mounting height with suitable in ground reinforcement is 6-8 m.

APPLICATIONS :

- Oil Rings & Refineries
- Mines
- Chemical Factories
- Petrochemical Industries

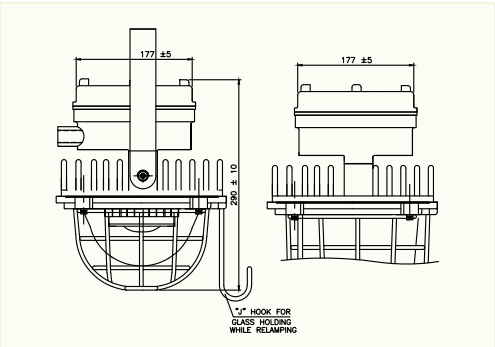
Note: *Bay Light Luminaires are provided with additional 10kV Built in surge protection device (SPD).*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLFB 538 / 100	PLFB 538 / 96 / 100	87	100	230	0.46	12600
PLFB 538 / 150	PLFB 538 / 144 / 150	131	150	230	0.69	19000

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm W	H	Approx Weight
PLFB 538 / 100	240 Ø	250	6.400
PLFB 538 / 150	240 Ø	285	7.800

PAR LED
LIGHT OF INDIA

FLP WELL GLASS

The FLP LED Well Glass Light is designed to replace traditional well glass lamps such as 70W HPSV, 125W HPMV, and 160W MLL while consuming only 35% of the power for similar illumination. Its housing, made from cast aluminum LM-6 alloy, features a patented conical-shaped cast aluminum heat sink that ensures excellent thermal management and provides uniform 270° illumination, similar to traditional lamps. This luminaire is an ideal LED solution for hazardous environments such as oil rigs, mines, and chemical and petrochemical industries. Compared to conventional HID well glass lights, it enhances reliability and comfort while significantly reducing energy and maintenance costs.



FEATURES & BENEFITS

- Luminary efficacy reaches 140 lumens/Watt, ensures more than 65% of energy saving when compared with HID lamp.
- Specially designed heat sink for faster and effective heat dissipation.
- Patented conical shape Led Light creating outstanding illuminance in industrial lighting applications.
- LM-80 compliant high efficiency & Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- High Voltage Cut-off @ 310 ± 15V with Auto Restart feature.
- Along with the additional 10kV/5kA built-in surge protection device.
- High quality of light by increase CRI up to 80 for all colour temperature.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- Lifetime of over 40,000 hours at L70, which requires no lamp replacement after installation
- IP66 level of protection against dust penetration & high pressure water jets from a ny direction.

PRODUCT SPECIFICATIONS

Heat Sink :
Specially designed patented conical shape cast aluminium heat sink ensures excellent thermal management and illuminates the area @ 270° uniformly.

Housing & Finished :
Epoxy powder coated finished cast aluminium housing for sturdiness & excellent corrosion resistance. Heat resists tempered glass sealed with glass ring and fixed to the housing with SS Allen bolts. Neoprene gasket is used for maintaining ingress protection.

Light source :
High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥160 lm/W with beam angle 120° for uniform distribution.

Electronic Driver :
Built in potted constant current multistage isolated LED driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit protection, Over Voltage protection, Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :
Suspended by means of heavy duty electroplated, forged eye-bolt provided with the Fixture.

APPLICATIONS :
- Oil Rings &Refineries
- Mines
- Chemical Factories
- Petrochemical Industries

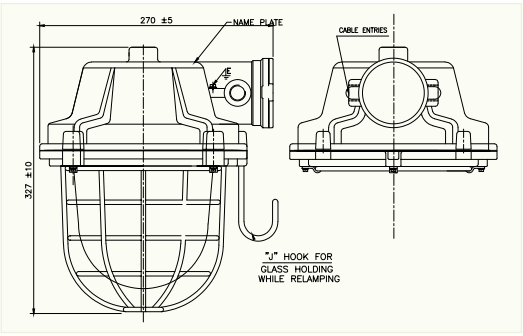
Note: *FLP Well Glass Luminaires are provided with additional 10kV Built in surge protection device.*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLFW 539 / 35	PLFW 539 / 48 / 100	30	35	230	0.16	4400
PLFW 539 / 50	PLFW 539 / 80 / 90	44	50	230	0.23	7200
PLFW 539 / 60	PLFW 539 / 80 / 110	52	60	230	0.27	7600

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLFW 539 / 35	270	250	230	4.600
PLFW 539 / 50	270	250	330	6.400
PLFW 539 / 60	270	250	330	6.400

PAR LED
LIGHT OF INDIA

FLP Well Glass (Sun Flower)

The FLP Sunflower-Type Well Glass Luminaire is designed to provide uniform lighting for industrial applications. Its specially designed circular cast aluminum heat sink combines aesthetics with excellent thermal management and resistance to harsh environmental conditions, ensuring superior reliability. Featuring a separate driver compartment for easy top maintenance, this luminaire delivers exceptional performance and an extended lifespan, elevating Zone 1 & 2 industrial lighting to a new level.



FEATURES & BENEFITS

- Luminary efficacy reaches 140 lumens/Watt, which is gives more than 60% of energy saving with full compliance to Industrial lighting safety standards.
- Maintain "Zero Air Gap" between MCPCB and extruded aluminium modules ensures fastest heat dissipation.
- LM-80 compliant high efficiency & Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- High Voltage Cut-off @ 310 ± 15V with Auto Restart feature.
- Along with the additional 10kV/5kA built-in surge protection device.
- Driver Compartment designed to suit top maintenance.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- Lifetime of over 50,000 hours at L70, which requires no lamp replacement after installation
- Ip66 level of protection against dust penetration & high pressure water jets from any direction.

PRODUCT SPECIFICATIONS

Housing & Glass Ring :

Epoxy powder coated finished Cast aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Heat resists tempered glass sealed with glass ring and fixed to the housing with SS Allen bolts. Neoprene gasket is used for maintaining ingress protection.

Driver Compartment :

Epoxy powder coated finished Cast aluminium housing for sturdiness & excellent corrosion resistance. Neoprene gasket is used for maintaining ingress protection.

Light source :

High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥160 lm/W with beam angle 120° for uniform distribution.

Electronic Driver :

Built in potted constant current multistage isolated LED driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit protection, Over Voltage protection, Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :

Surface mounting using fixed MS bracket of thickness 4.0 mm provided with the fixture by 3 circular slots of 12mm Ø at center distance of 60mm. Recommended mounting height with suitable in ground reinforcement is 5-7 m.

APPLICATIONS :

- Oil Rings & Refineries
- Mines
- Chemical Factories
- Petrochemical Industries

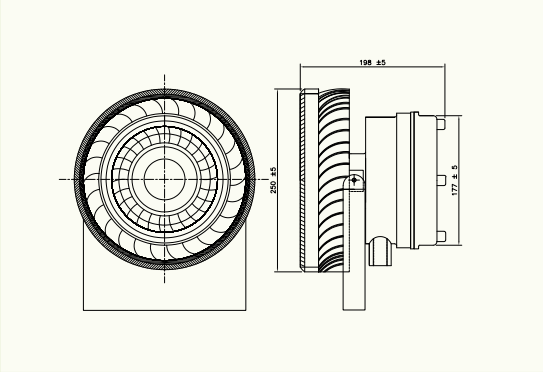
Note: *Well Glass luminaires are provide with additional 10kV Built in surge protection device (SPD).*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLFW 539-S /50	PLFW 539 / 80 / 90	44	50	230	0.23	7200
PLFW 539-S / 60	PLFW 539 / 80 / 110	52	60	230	0.27	7600

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm W	H	Approx Weight
PLFW 539-S /50	240 Ø	230	5.000
PLFW 539-S / 60	240 Ø	230	5.000

PAR LED
LIGHT OF INDIA

FLP FLOOD LIGHT

The energy-saving FLP Floodlight is an ideal solution for a wide range of area lighting applications. Its specially designed circular cast aluminum heat sink combines aesthetics with excellent thermal management and resistance to harsh environmental conditions, ensuring superior reliability. Featuring a separate driver compartment for easy top maintenance, this luminaire delivers outstanding performance and an extended lifespan, taking area lighting to a whole new level.



FEATURES & BENEFITS

- Best Thermal Management by Maintain the "Zero Air Gap" between MCPCB and aluminium modules ensuring sturdy performance.
- Reduces energy consumption by up to 55% compared to conventional floodlights.
- Luminary efficacy reaches 130 lumens/Watt,
- LM-80 compliant high efficiency & Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- High Voltage Cut off @ 310 ± 15V with Auto Restart feature.
- Along with the additional 10kV/5kA built-in surge protection device.
- Driver Compartment designed to suit top maintenance.
- High quality of light by increase CRI up to 80 for all colour temperature.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- Median useful life L70B50 50000 hours.
- IP66 level of protection against dust penetration & high pressure water jets from any direction.

PRODUCT SPECIFICATIONS

Housing & Glass Frame :

Epoxy powder coated finished Castaluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Tempered protective toughened glass sealed with glass ring and fixed to the housing with SS Allen bolts. Neoprene gasket is used for maintaining ingress protection.

Driver Compartment :

Epoxy powder coated finished Cast aluminium housing for sturdiness & excellent corrosion resistance. Neoprene gasket is used for maintaining ingress protection.

Light source :

High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥160 lm/W with beam angle 120° for uniform distribution.

Electronic Driver :

Built in potted constant current multistage isolated LED driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit protection, Over Voltage protection, Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :

Surface mounting using fixed MS bracket of thickness 4.0 mm provided with the fixture by 3 circular slots of 10mm Ø at center distance of 60mm.

Note: *CI Base Plate are available on request.*

APPLICATIONS :

- Oil Rings & Refineries
- Mines
- Chemical Factories
- Petrochemical Industries

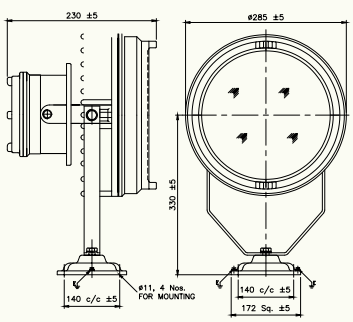
Note: *Flood light luminaires are provided with additional 10kV Built in surge protection device (SPD).*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLFF 540 / 100	PLFF 540 / 96 / 150	87	100	230	0.46	12600
PLFF 540 / 150	PLFF 540 / 144 / 150	131	150	230	0.69	19000

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm W	H	Approx Weight
PLFF 540 / 100	240 Ø	170	5.900
PLFF 540 / 150	240 Ø	205	7.250

PAR LED
LIGHT OF INDIA

FLP STREET LIGHT

FLP Street light is an affordable LED road lighting with best in class energy efficient light source for chemical industries perimeter lighting ensuring uniform & sufficient lighting on the road. It's housing made by cast aluminium alloy ensuring excellent heat dissipation and reliable operation over committed lifetime. This luminaire delivers exceptional performance and an extended lifespan, elevating Zone 1 & 2 industrial lighting to a new level.



FEATURES & BENEFITS

- Higher system efficiency up to 130 lumens/Watt
- Reduces energy consumption by up to 60% versus conventional HID light.
- Maintain "Zero Air Gap" between MCPCB and extruded aluminium modules ensures fastest heat dissipation.
- LM-80 compliant high efficiency & Photo biologically safe LEDs
- High performance electronic driver with 440V protection for 8 Hrs. (Phase to Phase).
- High Voltage Cut off @ 310 ± 15V with Auto Restart feature.
- Along with the additional 10kV/5kA built-in surge protection device.
- High quality of light by increase CRI up to 80 for all colour temperature.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- Lifetime of over 50, 00 hours at L70, which requires no lamp replacement after installation
- Complies with IP 65 ingress protection rating ensuring stable and consistent performance over product life time.

PRODUCT SPECIFICATIONS

Housing : Epoxy powder coated finished Cast aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance.
Glass Frame : Tempered protective toughened glass sealed with glass ring and fixed to the housing with SS Allen bolts. Neoprene gasket is used for maintaining ingress protection.

Light source :
High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥160 lm/W with beam angle 120° for uniform distribution.

Electronic Driver :
Built in potted constant current multistage isolated LED driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit protection, Over Voltage protection, Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

Mounting & Maintenance :
Suitable for pole mounting with bracketArm OD of 38mm (max.) Recommended mounting height with suitable in ground reinforcement is 3-5 m.

APPLICATIONS :
- Oil Rings &Refineries
- Mines
- Chemical Factories
- Petrochemical Industries

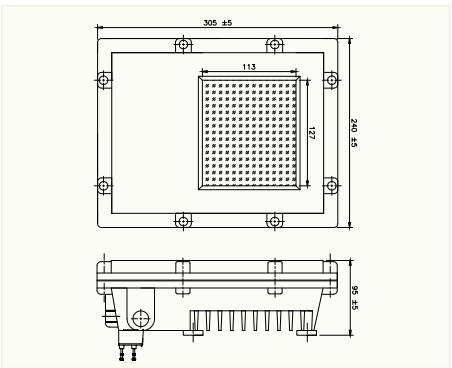
Note: *Street Light are provided with additional 10kV Built in surge protection device.*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLFS 538 / 30	PLFB 538 / 42 / 100	26	30	230	0.14	3900
PLFS 538 / 45	PLFB 538 / 42 / 150	39	45	230	0.21	5500

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLFS 538 / 30	305	240	150	4.600
PLFS 538 / 45	305	240	150	4.600

PAR LED
LIGHT OF INDIA

FLP AVIATION LIGHT

Aviation obstruction lights are high-intensity lighting devices, also known as navigation lights, installed on tall structures to enhance visibility and prevent collisions. These lights are designed to shine rather than emit extreme brightness, ensuring that tall structures remain noticeable to passing aircraft. Available in single and twin-lamp configurations, they are ideal for installation on transmission line towers, thermal power plants, and chimneys.



FEATURES & BENEFITS

- IP-66 robust design with integrated led light and electronics.
- Energy saving upto 80% when compared to conventional aviation light.
- Luminary efficacy reaches 1 cd/Watt, high efficiency 5mm 2-pin Photo biologically safe LEDs
- High performance electronic driver with protection against surge & short circuit.
- Operating with input voltage range 110 – 270 VAC.
- Available with Red/Green/White colour temperature.
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- Lifetime of over 1,00,000 hours at L70, which requires no lamp replacement after installation
- Complies with IP 66 ingress protection rating ensuring stable and consistent performance over product life me.

PRODUCT SPECIFICATIONS

Housing & Finished :
Epoxy powder coated finished cast aluminium housing for sturdiness & excellent corrosion resistance.

Glass Ring :
Heat resists tempered glass sealed with glass ring and fixed to the housing with SS Allen bolts. Neoprene gasket is used for maintaining ingress protection.

Light source :
High efficiency long life 5mm 2-Pin LED mounted on MCPCB & circular ring. Lumen efficacy of LED 1 cd / W with 20° beam angle.

Electronic Driver :
Built in with constant current LED driver with Short Circuit protection, Over Voltage protection and Surge Voltage protection.

Mounting & Maintenance :
Surface Mounted by means circular plate provided with the Fixture.

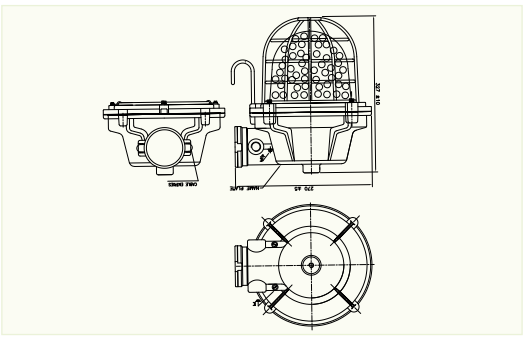
APPLICATIONS :
- Oil Rings &Refineries
- Mines
- Chemical Factories
- Petrochemical Industries

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLFA 539 / 10	PLFA 539 / 302 / 20	10	12	230	0.055	12 cd
PLFA 539-B / 10	PLFA 539-B / 302 / 20	10	12	230	0.055	12 cd
PLFA 539 / 2-10	PLFA 539 / 2x302 / 20	2x10	24	230	0.11	24 cd
PLFA 539-B / 2-10	PLFA 539-B / 2x302 / 20	2x10	24	230	0.11	24 cd

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm L	W	H	Approx Weight
PLFA 539 / 10	270	250	330	5.850

PARLED
LIGHT OF INDIA

FLP EMERGENCY LIGHT

FLP Emergency Lights are essential safety devices that provide reliable illumination during power failures, ensuring clear visibility in industrial spaces. They help prevent accidents, guide individuals to exits, and enhance security when the main power supply is disrupted. PARLED emergency lights incorporate advanced LED technology, offering long-lasting performance, superior energy efficiency, and dependable operation in critical situations.



FEATURES & BENEFITS

- IP-66 robust design with integrated led light, Battery and electronics.
- Micro controller based design enables intelligent and efficient working.
- Lithium-Ion/LiFePO4 Battery technology for long and maintenance free product life.
- Automatic on instantly during power failures.
- Li-Ion –7.4V-2.6Ah with Inbuilt BMS with Backup upto 1Hours
- BMS systems monitor temperature to prevent overheating & protect from over charging.
- Driver/Battery and other electronics compartment designed to suit top maintenance.
- LM-80 compliant high efficiency & Photo biologically safe LEDs
- Vibration, dust and heat resistant.
- No harmful UV & IR radiation
- Lifetime of over 40, 00 hours at L70, which requires no lamp replacement after installation
- Ip66 level of protection against dust penetration & high pressure water jets from any direction.

PRODUCT SPECIFICATIONS

Housing & Glass Frame :

Epoxy powder coated finished Cast aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Heat resists tempered glass sealed with glass ring and fixed to the housing with SS Allen bolts. Neoprene gasket is used for maintaining ingress protection.

Driver Compartment :

Epoxy powder coated finished Cast aluminum housing for sturdiness & excellent corrosion resistance. Neoprene gasket is used for maintaining ingress protection.

Light source :

High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥160 lm/W with beam angle 120° for uniform distribution.

Electronic Driver :

Built in potted constant current multistage isolated LED DC-DC driver with Over Voltage protection, Surge Voltage protection & other safety tests as per IS standard.

Battery :

Li-Ion –7.4V-2.6Ah with Inbuilt BMS

Mounting & Maintenance :

Surface mounting using fixed MS bracket of thickness 4.0 mm provided with the fixture by 3 circular slots of 10mm Ø at center distance of 60mm. Recommended mounting height with suitable in ground reinforcement is 5-6 m.

APPLICATIONS :

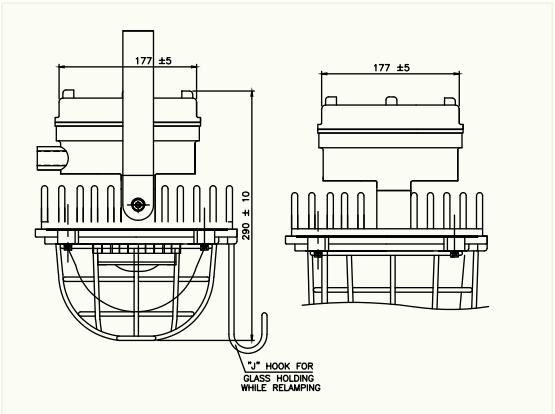
- Oil Rings & Refineries
- Mines
- Chemical Factories
- Petrochemical Industries

TECHNICAL DATA

Product Code	Ordering Code	System Wattage (W)	Rated Voltage (V)	Backup time (Hrs)	Lumens
PLFE 538 / 20	PLFE 538 / 24 / 150	20	230	45-60 Minute	3150

Note: *Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING



DIMENSION

Product Code	Dimension in mm W	H	Approx Weight
PLFE 538 / 20	240 Ø	250	6.900

PAR LED
LIGHT OF INDIA

RETROFIT KIT FLP WELL GLASS

The Retrofit Kit is designed for easy installation on existing FLP well glass fixtures, allowing seamless conversion from conventional FLP well glass to LED without replacing the entire fitting. Its specially designed patented conical-shaped cast aluminum heat sink ensures excellent thermal management and provides uniform 270º illumination, similar to traditional lamps. This cost-effective LED solution offers outstanding light quality, requires minimal maintenance, and reduces energy consumption by up to 65%.



FEATURES & BENEFITS

- Luminary efficacy reaches 140 lumens/Watt, ensures more than 60% of energy saving when compared with HID lamp.
- Specially designed heat sink for faster and effective heat dissipation.
- Patented conical shape Led Light creating outstanding illuminance in industrial lighting applications.
- LM-80 compliant high efficiency & Photo biologically safe LEDs
- High performance electronic potted driver with 440V protection for 8 Hrs. (Phase to Phase).
- Along with the additional 10kV/5kA built-in surge protection device.
- High quality of light by increase CRI upto 80 for all colour temperature.
- No harmful UV & IR radiation
- Lifetime of over 40, 00 hours at L70, which requires no lamp replacement after installation

PRODUCT SPECIFICATIONS

Heat Sink :
specially designed patented conical shape cast aluminium heat sink ensures excellent thermal management and illuminate the area @ 270º uniformly Epoxy powder coated finished Cast aluminium housing (heat sink) for effective thermal management, sturdiness &excellent corrosion resistance.

Light source :
High efficiency long life LED module with EMC package SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥160 lm/W with beam angle 120º for uniform distribution.

Electronic Driver :
Built in potted constant current multistage isolated LED driver with < 10% THD, PF ≥0.98, Output Open /Short Circuit protection, Over Voltage protection, Surge Voltage protection & other safety tests as per IS 15885 Part-2/Sec 13 and BIS comply.

APPLICATIONS :
easy to installed on existing FLP well glass and convert Conventional FLP well glass to LED FLP well glass

Note: *Retrofit Kit are provided with additional 10kV Built in surge protection device.*

TECHNICAL DATA

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLFW KIT / 35	PLFW KIT / 48 / 100	30	35	230	0.16	4400
PLFW KIT / 50	PLFW KIT / 80 / 90	44	50	230	0.23	7200
PLFW KIT / 60	PLFW KIT / 80 / 110	52	60	230	0.27	7600

Note: *Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing*

TECHNICAL DRAWING

DIMENSION

Product Code	Dimension in mm W	H	Approx Weight
PLFW KIT / 34	195	135	1.250
PLFW KIT / 50	195	165	1.400
PLFW KIT / 60	195	165	1.400

FLP SWITCHGEAR PRODUCTS

PARLED offers a wide range of ERTL/PESO certified explosion proof switchgear products to cater to your business needs. All of our lighting solutions are customized to meet the strict guidelines and standards in the industry.

CONTROL STATION



Model No.: GFEC-LCS-02
Description : FLP/WP On-Off Push Button
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-LCS-01
Description : FLP/WP Only On OR Off Push Button
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-LCS-07
Description : FLP/WP Start-Stop-Indicating Push Button
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-LCS-07
Description : FLP/WP Reverse-Forward-Stop Push Button
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-LCS-03
Description :FLP/WP Rotary Switch upto 32A, 415V
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-LCS-08
Description : FLP/WP Switch Socket upto32A, 415V
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-LCS-05
Description : FLP/WP Temperature Indicator
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-LCS-04
Description : Fire Alarm Station (Manual Call Point)
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-LCS-06
Description : Hooter 230V AC / 24V DC
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-DOL-20
Description : FLP/WP DOL Starter (Upto 20HP/ 440VAC)
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-DOL-20
Description : FLP/WP Earthing Relay
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-LS-10
Description : Limit Switch with Top Push Roller
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS

JUNCTION BOX



Model No.: GFEC-JB-100
Description : 100 mm dia Junction Box
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-JB-130
Description : 130 mm dia 5 Junction Box
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-JB-150
Description : 150 mm dia Junction Box
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-JB-250
Description : 250 mm dia Junction Box
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-JB-350
Description : 350 mm dia Junction Box
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-CP-400
Description : 400x400 Distribution Box
Suitable for : Gas Group II-A / II-B
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS

DISTRIBUTION BOX



Model No.: GFEC-CP-400
Description : Customized Distribution Board
Suitable for : Gas Group II-A / II-B
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-CP-400
Description : Customized Distribution Board
Suitable for : Gas Group II-A / II-B
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-CP-400
Description : Customized Distribution Board
Suitable for : Gas Group II-A / II-B
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-CP-400
Description : Customized Distribution Board
Suitable for : Gas Group II-A / II-B
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-JB-350
Description : Customized Distribution Board
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-JB-350
Description : Customized Distribution Board
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS

MULTIWAY SWITCH SOCKET



Model No.: GFEC-JB-150
Description : FLP/WP Switch Socket 63A-5Pin, 415V
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-CP-400
Description : FLP/WP Multiway Switch Socket
Suitable for : Gas Group II-A / II-B
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-CP-400
Description : FLP/WP Multiway Switch Socket
Suitable for : Gas Group II-A / II-B
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS

EMERGENCY



Model No.: GFEC-JB-130
Description : FLP/WP Smoke Detector
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-JB-150
Description : FLP/WP Siren
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-CP-250
Description : FLP/WP Emergency Exit Lamp
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS

FAN & LAMP



Model No.: GFEC-EXF-800
Description : FLP/WP Pedestal Fan (18" / 24" / 30")
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-EXF-800
Description : FLP/WP Wall Fan (18" / 24" / 30")
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-EXF-800
Description : FLP/WP Exhaust Fan (12" / 16" / 18" / 24")
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-RV-18
Description : FLP/WP R.V. Lamp
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS



Model No.: GFEC-HL-100
Description : FLP/WP Hand Lamp
Suitable for : Gas Group II-A / II-B / II-C
Certification : CIMFR (Dhanbad) / PESO (Nagpur) / BIS

PAR TRAY

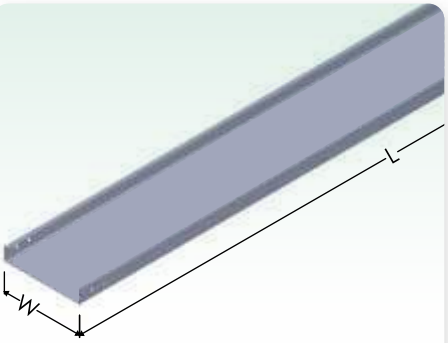
CABLE SUPPORTING SYSTEMS



Description : Perforated Cable Type Tray
Size : Upto 500mm (W)



Description : Ladder Type Cable Tray
Size : Upto 1200mm (W)



Description : Solid Type Cable Tray
Size : Upto 500mm (W)



Description : Horizontal Elbow (Bend)
Size : As per costumer requirements



Description : Horizontal Tee
Size : As per costumer requirements



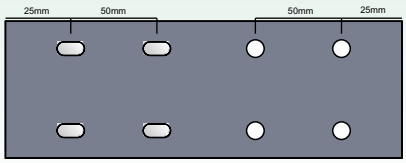
Description : Horizontal Cross
Size : As per costumer requirements



Description : Reducer
Size : As per costumer requirements



Description : Vertical Elbow (Bend)
Size : As per costumer requirements



Description : Jointing Plate
Size : 200x20, 200x30, 200x70, 200x90mm

PAR BEAM

WARPING BEAM



Suitable for narrow Textile Industries
Size in mm : 300x255 / 350x255
405x255 / 450x255
500x255 / 532x255

Technical Details :

- All LED luminaires lightening by LM-80 compliant high efficiency @ Photo biologically safe LED (SEOUL SEMICONDUCTOR / OSRAM / EVERLITE LED.
- All LED luminaires are with constant current isolated driver with APFC, Comes with various protections like SCP / OCP / OTP, input high voltage protection up to 440 VAC up to 8hrs with auto Cut off / Start arrangement and Surge Protection up to 6kV / 3kA
- All LED luminaires Provided with 10 kV / 5 kA Built-in surge Protection device.

Warranty Clause :

Par Electrical Industries undertakes to repair or replace products, as its discretion, which are found to be defective, solely as a result of faulty materials and (or) workmanship, within 2 years from the date of purchase for LED products. The Warranty is conditioned upon proper usage within the defined operating range based on the datasheet, installation, storage and maintenance. The warranty defines the company's entire liability and does not cover consequential loss or damage, or reinstallation cost arising from defective product. The company reserves the right to change/improve the design, without prior notice. In such cases, replacements shall be carried out, with design of products / accessories prevailing in time. The warranty for the product will be invalidated, if product is altered or rectified.

This Warranty is subject to the following conditions. :

• That the light has had at all times, normal use and has not been tampered with. • That in case of complaint, light is returned to us with seal impact. •That the fixture is maintained properly. • If the fixture is opened tampered or modified then the free warranty service ceases automatically. • In the event of repairs being carried out by the purchaser, the manufacturer cannot be held liable for any expenses incurred. • Under no circumstances can the company be held responsible for indirect damage caused by any defects. • Our liability in all cases is limited to making good any defective part of fixture manufactured by us. • In the event of any dispute arising as to the interpretation of the warranty the decision of the manufacturer must be accepted as final. • Any claim under the warranty must contain the Serial no., Type, Date of purchase of the product and name and address of the dealer from whom it was purchased. • The warranty will be rendered invalid if the serial no. Of the product is altered or defected. • This warranty does not cover fixture given on hire or sold on hire purchase.

Government Registration Detail

- PAN No.: ADWPP 2908D
- GST No.: 24ADWPP 2908D1ZF
- UdhyogAadhar No.: GJ25B0010531

Note :

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Manufactured & Marketed by :

PAR ELECTRICAL INDUSTRIES

An ISO 9001:2008 Certified Company

CB-047-MS

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