

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 125 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 ≥150lm/W with beam angle 120° for uniform distribution.

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

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 :

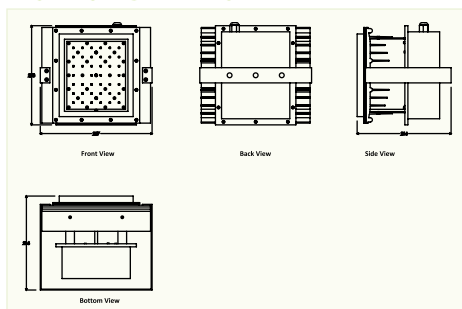
- Manufacturing assembly lines
- Factories & Workshops
- Warehouse
- Indoor Stadium

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	11100
PLBL 523 / 100	PLBL 523 / 96 / 150	87	100	230	0.46	12700
PLBL 523 / 150	PLBL 523 / 144 / 150	131	150	230	0.69	19100
PLBL 523 / 175	PLBL 523 / 168 / 150	152	175	230	0.80	22200
PLBL 523 / 200	PLBL 523 / 192 / 150	174	200	230	0.92	25400
PLBL 523 / 250	PLBL 523 / 240 / 150	218	250	230	1.14	31800

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			Approx Weight
	L	W	H	
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