

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 ≥ 160lm/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 :**

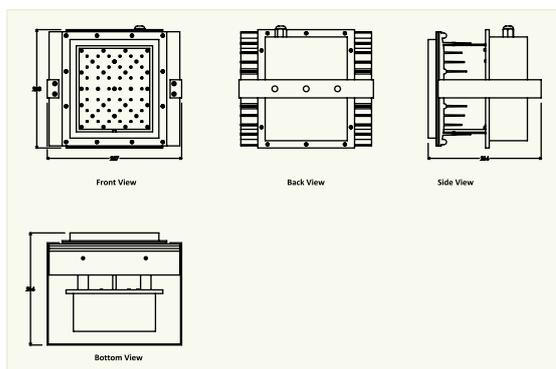
- Manufacturing assembly lines
- Factories & Workshops
- Warehouse
- Indoor Stadium

**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	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			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