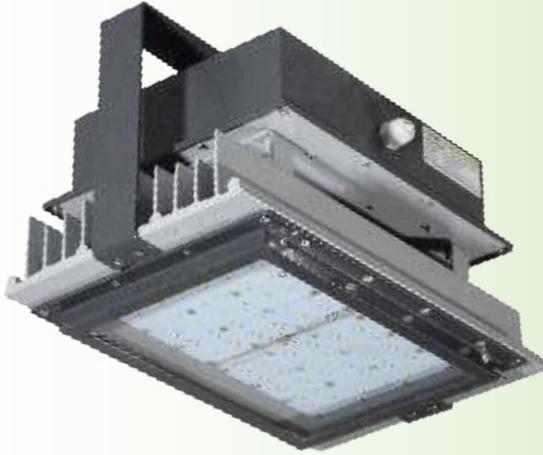


Bay star LED bay light is a luminaire designed to provide undisrupted and uniform lighting for industrial application and is an ideal solution for higher mounting heights, high temperature application and special heavy-duty industry. It enables a safe working environment with leading specifications and comfortable light which 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 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.

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

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 :

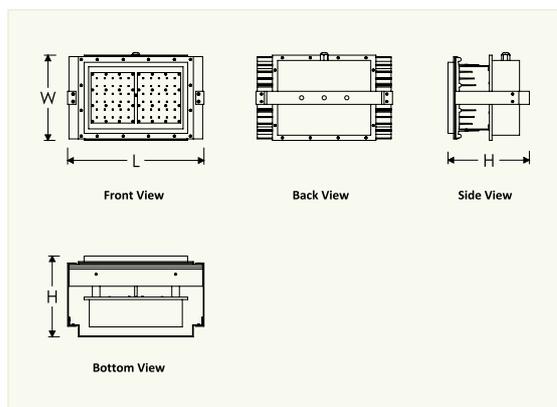
- Steel Plants & Foundries
- Manufacturing assembly lines
- Factories & Workshops
- Warehouse
- Indoor Stadium

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			Approx Weight
	L	W	H	
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