

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 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.

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

**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 :**

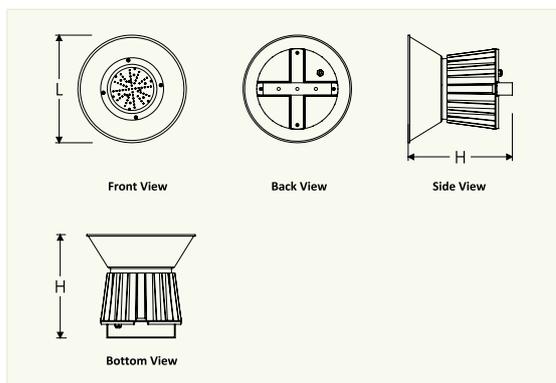
- Steel Plants & Foundries
- Manufacturing assembly lines
- Factories & Workshops
- Warehouse
- Indoor Stadium

**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			Approx Weight
	L	W	H	
PLBL 525 / 100	310 Ø	310 Ø	225	3.650
PLBL 525 / 150	310 Ø	310 Ø	275	4.900