

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 125 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 ≥ 150 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	0.21	5500
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			Approx Weight
	L	W	H	
PLBL 522 / 45	195	175	140	1.650
PLBL 522 / 70	-	-	-	-