

The Channel Star is a simple LED solution for bay light, which efficiently illuminates work areas, creating a brighter and better warehouse or manufacture environment. Innovatively designed extruded aluminium heat sink ensures good thermal management that facilitates good performance of LED. It's unique designed & construction is an ideal solution for replacement of linear conventional industrial luminaires. Available with three different lengths (2Ft/3Ft/4Ft), this easy-to-install and low-maintenance lighting solution is suitable for a variety of various industrial applications.



**FEATURES & BENEFITS**

- Luminary efficacy reaches 100 lumens/Watt, which gives more than 50% of energy saving when replace to conventional industrial luminaires.
- Special designed extruded aluminium housing for Effective Thermal Management.
- Polycarbonate diffuser used, so no embriilement, no yellowing.
- 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.
- Along with the additional 10kV/5kA built-in surge protection device.
- High quality of light by increase CRI upto 80 for all colour temperature.
- No harmful UV & IR radiation
- Lifetime of over 40000 hours.
- IP50 level of protection against limited dust only.

**PRODUCT SPECIFICATIONS**

**Housing & Glass Frame :**

Epoxy powder coated finished Extruded aluminium housing (heat sink) for effective thermal management, sturdiness & excellent corrosion resistance. Polycarbonate diffuser fixed to the housing with SS screws.

**Light source :**

High efficiency long life LED module with SMD type LED mounted on MCPCB. Lumen efficacy of LED ≥ 125 lm/W.

**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 :**

Flexible suspension system, Mounting accessories like conduit pipe/chain (not in Par's scope)

**APPLICATIONS :**

- Small Factories & Workshops
- Manufacturing assembly lines
- Warehouse

**Warning & Safety :**

This product is not protected against water ingress & as such we strongly recommend that the environment in which the luminaire is to be installed is suitably checked.

If the above advice is not taken and the luminaires are subject to water ingress, PAR cannot guarantee safe failure & product warranty will become void

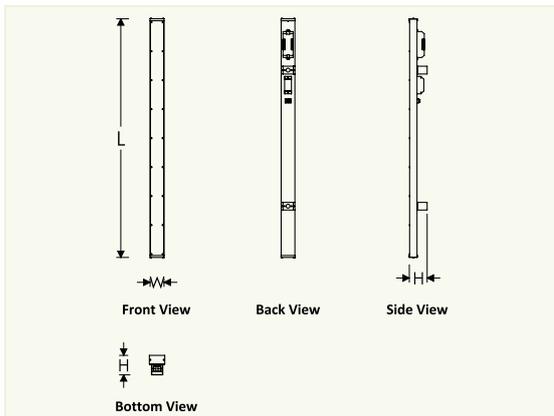
**Note:** Channel Star luminaires are provided with additional 10kV Built in surge protection device (SPD).

**TECHNICAL DATA**

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLBL 521 / 18	PLBL 521 / 48 / 100	16	18	230	0.08	1850
PLBL 521 / 40	PLBL 521 / 72 / 100	35	40	230	0.18	3750
PLBL 521 / 50	PLBL 521 / 96 / 100	44	50	230	0.23	4950

**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 521 / 18	635	72	92	1.300
PLBL 521 / 40	935	72	92	1.700
PLBL 521 / 50	1235	72	92	2.400