

Environment friendly Cleanroom luminaire is an energy efficient light designed to replacement of conventional cleanroom of 2-36W PL & 3-36W PL & 4-24W T5 fluorescent Lamp. It's specially designed fabricated aluminium heatsink ensuring excellent thermal management resulting in long service life. Option of Satin finish HET diffuser / frosted toughened glass sealed with bottom frame using non-hygroscopic VHB gasket to ensure dust proofing. These light illuminating the uniform dispersion and more energy-efficient compared to PL-L and TL-D lights without adversely affecting the environment.



**FEATURES & BENEFITS**

- Luminary efficacy reaches 110 lumens/Watt, which gives more than 50% of energy saving when compared with conventional light.
- Aluminium heat sink for Excellent Thermal Management ensures long service life..
- 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 up to 80 for all colour temperature.
- Uniform and glare-free lighting.
- No harmful UV & IR radiation
- Median useful life  $L_{70, B_{50}}$  50000 hours
- IP-55 level protection against limited dust ingress & Spray water from any direction

**PRODUCT SPECIFICATIONS**

**Housing & Finished :**

Epoxy powder coated finished fabricated CRCA sheet housing with aluminum heat sink ensuring a better heat dissipation & excellent corrosion resistance.

**Diffuser / Toughened Glass :**

Optional Tempered protective toughened glass / HET diffuser sealed with bottom frame by using VHB gasket to ensure dust proofing and 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  $\geq 140 \text{lm/W}$  and viewing angle of 120° to ensure better uniformity.

**Electronic Driver :**

Powered by inbuilt, constant current multistage isolated LED potted driver with < 10% THD, PF  $\geq 0.98$ , 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 :**

provided with height adjustable clamp (up to 75mm) mechanism for proper fixing and alignment.

**APPLICATIONS :**

- Pharmaceutical industries
- Food & beverage process industries
- Micro Electrical Industries
- Laboratories

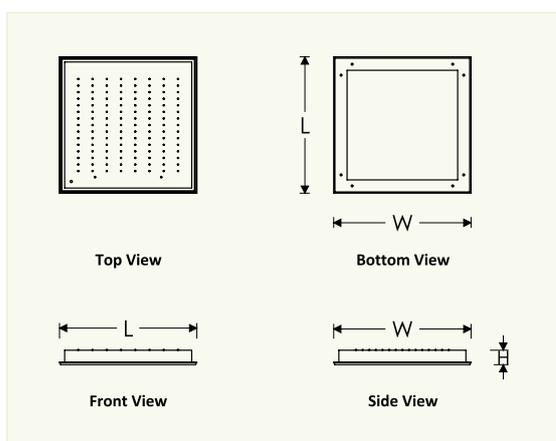
**Note:** Pharma Star luminaires are provided with additional 10kV built in surge protection device.

**TECHNICAL DATA**

Product Code	Ordering Code	LED Wattage	System Wattage (W)	Rated Voltage (V)	Mains Current (A)	Lumens
PLPL 531 / 25	PLPL 531 / 120 / 55	22	25	230	0.11	2650
PLPL 531/ 45	PLPL 531 / 224 / 55	39	45	230	0.21	4900

**Note:** Warranty Voids for LED fixtures including Drivers, if individual points of installations are not provided with proper Earthing.

**TECHNICAL DRAWING**



**DIMENSION WITH PC DIFFUSER**

Product Code	Dimension in mm			Approx Weight
	L	W	H	
PLPL 531 / 25	320	320	80	2.700
PLPL 531/ 45	620	620	80	6.100

**CUT OFF SIZE**

Product Code	Dimension in mm	
	L	W
PLPL 531 / 25	300	300
PLPL 531/ 45	600	600