

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 105 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 ≥ 140 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 ≥ 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

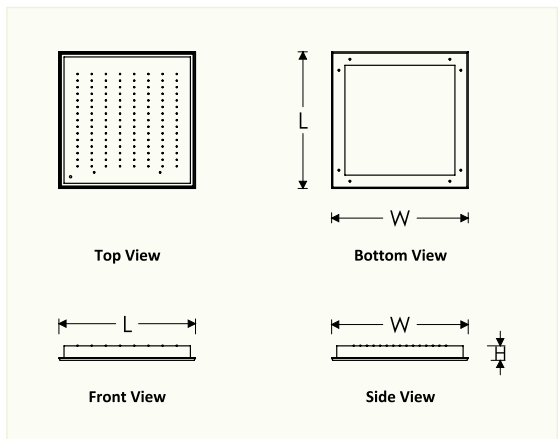
Note: Pharma Star luminaires are provided with additional 10kV built in surge protection device.

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	2500
PLPL 531 / 45	PLPL 531 / 224 / 55	39	45	230	0.21	4650

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