

# TECHNICAL SPECIFICATIONS :

## General Information

<b>Generic Name</b>	Area Star
<b>Product Code</b>	PLFL 512 / 300 / xx
<b>Product Ordering Code</b>	PLFL 512 / 120 / 700
<b>Light Source</b>	SMD Type High Power LED
<b>Driver</b>	Yes – Constant Current
<b>Surge Protection Device</b>	Yes – 10kV



## Performance

Luminaire Output	Up to 37600 lm
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Power Absorption	Up to 300Watt
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## Optoelectronics

Color rendering index (CRI)	>70
Correlated Color Temperature	6500K / 5000K / 2700K
Beam angle of light source	120°

Luminous Efficacy	165 Lumens / Watt
Optic type	Optional - High efficiency Polycarbonate Lens of 60° / 30°
Median useful life L70B50	50,000 Hour(s)

## Operating & Electrical

Voltage Input	130 to 280 VAC
Current Input	< 1370mA @ 230 VAC
Power Input	≤ 300Watt

Line Frequency	50 Hz
Power Factor	≥ 0.95
Working Temperature	- 10° C - +50° C.

## Luminair Body

Hosing Material	Anodized Extruded Aluminium (Copper Content <0.1%)
Hosing Finished	Powder Coated

Optical Cover Material	Heat Resist 4mm Thick Toughened glass
Mounting Bracket	Adjustable cradle, 3 circular slots of 10mm Ø at center distance of 60mm.

## Electronics

Driver	Single Stage Fly back with PF Correction C.C. Driver
Setup rise holdup time for driver	< 0.5 sec

Efficiency of Driver	≥ 87%
THD in %	≤ 10% (Full Load)

## Protection

Surge Protection	6.5 kV - Inbuilt in Driver
Voltage Protection	Phase to Phase protection of 440V. for 8 hrs.
Ingress protection code	IP - 66

Over Heat Protection	Yes (Drop Output Current)
Short Circuit Protection	Yes (Auto recovery)
impact protection code	IK - 05