

# TECHNICAL SPECIFICATIONS :

## General Information

Generic Name	Road Star
Product Code	PLSL 504 / 150/ xx
Product Ordering Code	PLSL 504 / 60 / 700
Light Source	SMD Type High Power LED
Driver	Yes – Constant Current
Surge Protection Device	Yes – 10kV



## Performance

Luminaire Output	Up to 18800 lm
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Power Absorption	Up to 150Watt
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## Optoelectronics

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

Luminous Efficacy	165umens / Watt
Optic type	Optional - High efficiency Polycarbonate Lens of 60° x 120°
Median useful life L70B50	50,000 Hour(s)

## Operating & Electrical

Voltage Input	130 to 280 VAC
Current Input	< 690mA @ 230 VAC
Power Input	≤ 150Watt

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

## Luminair Body

Hosing Material	LM-6 Grade Aluminium Alloy
Hosing Finished	Powder Coated

Optical Cover Material	Heat Resist 4mm Thick Toughened glass
Mounting Bracket	Pole mounting with bracket arm of 60mm max.

## 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	NA