

TECHNICAL SPECIFICATIONS :

General Information

Generic Name	Road Star
Product Code	PLSL 504 / 100 / xx
Product Ordering Code	PLSL 504 / 40 / 700
Light Source	SMD Type High Power LED
Driver	Yes – Constant Current
Surge Protection Device	Yes – 10kV



Performance

Luminaire Output	Up to 12550 lm
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Power Absorption	Up to 100Watt
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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° x 120°
Median useful life L70B50	50,000 Hour(s)

Operating & Electrical

Voltage Input	130 to 280 VAC
Current Input	< 460mA @ 230 VAC
Power Input	≤ 100Watt

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	IK - 05