

TECHNICAL SPECIFICATIONS :

General Information

Generic Name	Bay Star
Product Code	PLBL 524 / 100 / xx
Product Ordering Code	PLBL 524 / 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° / 90°
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	Anodized Extruded Aluminium (Copper Content <0.1%)
Hosing Finished	Powder Coated

Optical Cover Material	Heat Resist 4mm Thick Toughened Glass
Mounting Bracket	Fixed Bracket, 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 - 65

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