

TECHNICAL SPECIFICATIONS :

General Information

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|--------------------------------|-------------------------|
| Generic Name | Area Star |
| Product Code | PLFL 512 / 100 / xx |
| Product Ordering Code | PLFL 512 / 40 / 700 |
| Light Source | SMD Type High Power LED |
| Driver | Yes – Constant Current |
| Surge Protection Device | Yes – 10kV |

Performance

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|------------------|----------------|
| Luminaire Output | Up to 12550 lm |
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Optoelectronics

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

Operating & Electrical

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

Luminair Body

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

Electronics

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

Protection

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



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|------------------|---------------|
| Power Absorption | Up to 100Watt |
|------------------|---------------|

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

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

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

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

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