

TECHNICAL SPECIFICATIONS :

General Information

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|--------------------------------|-------------------------|
| Generic Name | Road Spark |
| Product Code | PLSL 506 / 35 / xx |
| Product Ordering Code | PLSL 506 / 32 / 150 |
| 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 4250 lm |
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| Power Absorption | Up to 35Watt |
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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° |

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| Luminous Efficacy | 150 Lumens / Watt |
| Optic type | Optional - High efficiency Polycarbonate Lens of 60° x 120° |
| Median useful life L70B50 | 50,000 Hour(s) |

Operating & Electrical

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|---------------|-------------------|
| Voltage Input | 130 to 280 VAC |
| Current Input | < 160mA @ 230 VAC |
| Power Input | ≤ 35Watt |

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

Luminair Body

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

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|------------------------|---|
| Optical Cover Material | Heat Resist 4mm Thick Toughened glass |
| Mounting Bracket | Pole mounting with bracket arm of 52mm max. |

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 |

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

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 - 65 |

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