



BATH + LIGHT

INSTARAY 18W

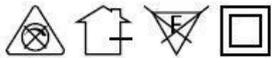
INSTARAY Slim Magnetic Track Light

Indoor Luminaire

Product Code:

LINRSL1F18XC / LINRSL1F18XN / LINRSL1F18XW

18W - 1800lm - 6500K - CRI>80 Ra - Beam Angle 36°



Technical Specifications

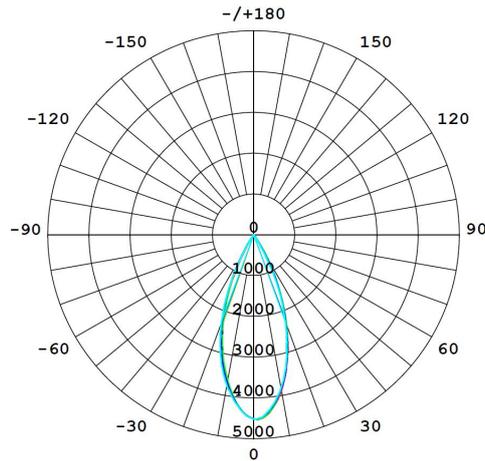
| | |
|------------------------------------|---|
| Operating Temperature | -10°C to 45°C |
| Rated Input Voltage & Frequency | 48V DC |
| Rated Input Wattage | 18W ± 10% |
| Rated Input Current | 0.380 Amp (Nominal) |
| Rated Luminous Flux | 1800 lm / 1710 lm / 1620 lm (tolerance as per BIS) |
| Rated Luminaire Efficacy | 100 lm/W / 95 lm/W / 90 lm/W (tolerance as per BIS) |
| Correlated Color Temperature (CCT) | 6500 K / 4000 K / 3000 K (tolerance as per ANSI) |
| Color Rendering Index (CRI) | >80 Ra |
| Beam Angle | 36° (within the permissible limits) |
| Driver Efficiency | ≥88% |
| LED Life Span | >50000 Hrs (Ta=25°C @L70) |
| Housing | Die Cast Aluminium & Polycarbonate |
| Lens / Reflector | Polycarbonate Clear Diffuser with Lens |
| Mounting | Surface with Magnetic Track Channel |

Protections

| | |
|-----------------------------------|----------|
| Over Voltage Protection | NA |
| Surge Protection | ±2.0KV |
| Protection Class | NA |
| Ingress Protection (IP Rating) | IP20 |
| Impact Protection (IK Rating) | NA |
| Short Circuit Protection | Provided |
| Open Circuit Protection (No Load) | Provided |
| Reverse Polarity Protection | Provided |

All technical data is subject to industry-standard tolerances.

Light Distribution

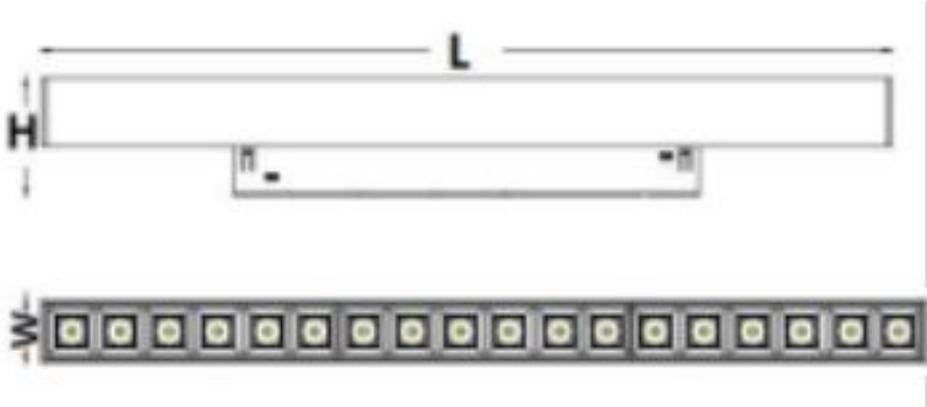


UGR Table

| | | | | | | | | | | |
|---|------------------|------|------|------|------|----------------|------|------|------|------|
| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | Viewed crosswise | | | | | Viewed endwise | | | | |
| x = 2H y = 2H | 12.8 | 13.6 | 13.0 | 13.7 | 13.9 | 10.0 | 10.8 | 10.2 | 10.9 | 11.1 |
| 3H | 12.7 | 13.4 | 12.9 | 13.5 | 13.7 | 9.8 | 10.5 | 10.1 | 10.7 | 10.9 |
| 4H | 12.6 | 13.2 | 12.8 | 13.4 | 13.7 | 9.8 | 10.4 | 10.0 | 10.6 | 10.8 |
| 6H | 12.5 | 13.1 | 12.8 | 13.3 | 13.6 | 9.7 | 10.3 | 10.0 | 10.5 | 10.8 |
| 8H | 12.4 | 13.0 | 12.7 | 13.3 | 13.5 | 9.6 | 10.2 | 9.9 | 10.5 | 10.7 |
| 12H | 12.4 | 13.0 | 12.7 | 13.2 | 13.5 | 9.6 | 10.2 | 9.9 | 10.4 | 10.7 |
| 4H 2H | 12.6 | 13.2 | 12.8 | 13.4 | 13.7 | 9.8 | 10.4 | 10.0 | 10.6 | 10.8 |
| 3H | 12.4 | 13.0 | 12.7 | 13.2 | 13.5 | 9.6 | 10.2 | 9.9 | 10.4 | 10.7 |
| 4H | 12.3 | 12.8 | 12.6 | 13.1 | 13.4 | 9.5 | 10.0 | 9.8 | 10.3 | 10.6 |
| 6H | 12.2 | 12.7 | 12.6 | 13.0 | 13.3 | 9.4 | 9.8 | 9.8 | 10.2 | 10.5 |
| 8H | 12.1 | 12.6 | 12.5 | 12.9 | 13.3 | 9.3 | 9.8 | 9.7 | 10.1 | 10.5 |
| 12H | 12.1 | 12.5 | 12.5 | 12.9 | 13.2 | 9.3 | 9.7 | 9.7 | 10.0 | 10.4 |
| 8H 4H | 12.1 | 12.6 | 12.5 | 12.9 | 13.3 | 9.3 | 9.8 | 9.7 | 10.1 | 10.5 |
| 6H | 12.0 | 12.4 | 12.5 | 12.8 | 13.2 | 9.2 | 9.6 | 9.6 | 10.0 | 10.4 |
| 8H | 12.0 | 12.3 | 12.4 | 12.7 | 13.1 | 9.2 | 9.5 | 9.6 | 9.9 | 10.3 |
| 12H | 11.9 | 12.2 | 12.4 | 12.6 | 13.1 | 9.1 | 9.4 | 9.6 | 9.8 | 10.3 |
| 12H 4H | 12.1 | 12.5 | 12.5 | 12.9 | 13.2 | 9.3 | 9.7 | 9.7 | 10.0 | 10.4 |
| 6H | 12.0 | 12.3 | 12.4 | 12.7 | 13.1 | 9.2 | 9.5 | 9.6 | 9.9 | 10.3 |
| 8H | 11.9 | 12.2 | 12.4 | 12.6 | 13.1 | 9.1 | 9.4 | 9.6 | 9.8 | 10.3 |
| Variations with the observer position at spacings (CIE Pub.117) : | | | | | | | | | | |
| S = 1.0H | + 3.0 / -75.1 | | | | | + 3.8 / - 1.0 | | | | |
| 1.5H | + 5.5 / -14.1 | | | | | + 6.2 / -14.5 | | | | |
| 2.0H | + 6.3 / - 1.0 | | | | | + 6.6 / - 1.0 | | | | |

Product Dimensions (L x W x H)

328 X 22 X 45 mm (Tol. \pm 5 mm)



Applications

Residences, Offices, Small Retail Shops, Hotels, Coffee Shops, Restaurants, Hospitals, area lighting and for other indoor applications.