

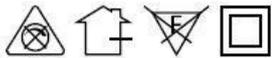
LUCENT 15W

LUCENT SLIM DOWNLIGHT

Indoor Luminaire

Product Code:

LLCN01R015XC / LLCN01R015XN / LLCN01R015XW
15W - 1725lm - 6500K - CRI>80 Ra - Beam Angle - 112°



Technical Specifications

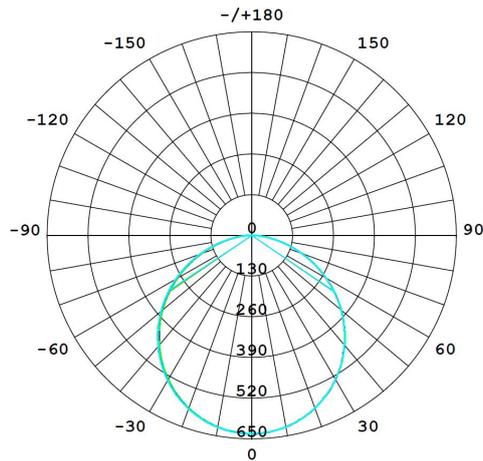
| | |
|------------------------------------|---|
| Operating Temperature | -10°C to 40°C |
| Rated Input Voltage & Frequency | 220 ~ 240 VAC, 50Hz |
| Rated Input Wattage | 15W ± 10% |
| Rated Input Current | 0.068 Amp (Nominal) |
| Power Factor | ≥0.90 |
| THD | <10% |
| Rated Luminous Flux | 1725 lm / 1650 lm / 1575 lm (tolerance as per BIS) |
| Rated Luminaire Efficacy | 115 lm/W / 110 lm/W / 105 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 | 112° (within the permissible limits) |
| Driver Efficiency | >85% |
| LED Life Span | >50000 Hrs (Ta=25°C @L70) |
| Housing | Aluminium Housing with White/Black Powder Coating |
| Lens / Reflector | PC Diffuser |
| Mounting | Recessed |

Protections

| | |
|-----------------------------------|-----------------------------------|
| Over Voltage Protection | Withstand upto 440V/AC for 4 Hrs. |
| Surge Protection | ±4.0KV |
| Protection Class | Class II |
| Ingress Protection (IP Rating) | IP20 |
| Impact Protection (IK Rating) | IK02 |
| 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 | 16.8 | 18.4 | 17.1 | 18.6 | 18.8 | 16.8 | 18.3 | 17.1 | 18.5 | 18.7 |
| 3H | 18.3 | 19.7 | 18.6 | 20.0 | 20.2 | 18.3 | 19.7 | 18.6 | 19.9 | 20.2 |
| 4H | 18.9 | 20.3 | 19.2 | 20.5 | 20.8 | 18.8 | 20.2 | 19.2 | 20.4 | 20.7 |
| 6H | 19.3 | 20.6 | 19.7 | 20.9 | 21.2 | 19.2 | 20.5 | 19.6 | 20.8 | 21.1 |
| 8H | 19.5 | 20.7 | 19.8 | 21.0 | 21.3 | 19.4 | 20.6 | 19.7 | 20.9 | 21.1 |
| 12H | 19.5 | 20.7 | 19.9 | 21.0 | 21.3 | 19.4 | 20.6 | 19.8 | 20.9 | 21.2 |
| 4H 2H | 17.4 | 18.8 | 17.8 | 19.0 | 19.3 | 17.4 | 18.7 | 17.7 | 19.0 | 19.3 |
| 3H | 19.1 | 20.3 | 19.5 | 20.6 | 20.9 | 19.1 | 20.2 | 19.4 | 20.5 | 20.8 |
| 4H | 19.8 | 20.9 | 20.2 | 21.2 | 21.6 | 19.8 | 20.8 | 20.1 | 21.2 | 21.5 |
| 6H | 20.4 | 21.3 | 20.8 | 21.7 | 22.0 | 20.3 | 21.2 | 20.7 | 21.6 | 21.9 |
| 8H | 20.6 | 21.4 | 21.0 | 21.8 | 22.2 | 20.4 | 21.3 | 20.9 | 21.7 | 22.1 |
| 12H | 20.7 | 21.5 | 21.1 | 21.9 | 22.3 | 20.5 | 21.3 | 21.0 | 21.7 | 22.1 |
| 8H 4H | 20.1 | 21.0 | 20.5 | 21.3 | 21.7 | 20.0 | 20.9 | 20.4 | 21.3 | 21.7 |
| 6H | 20.8 | 21.5 | 21.2 | 21.9 | 22.3 | 20.7 | 21.4 | 21.1 | 21.8 | 22.3 |
| 8H | 21.0 | 21.7 | 21.5 | 22.1 | 22.6 | 20.9 | 21.6 | 21.4 | 22.0 | 22.5 |
| 12H | 21.2 | 21.8 | 21.7 | 22.2 | 22.7 | 21.1 | 21.6 | 21.6 | 22.1 | 22.6 |
| 12H 4H | 20.1 | 20.9 | 20.5 | 21.3 | 21.7 | 20.0 | 20.8 | 20.5 | 21.2 | 21.6 |
| 6H | 20.8 | 21.5 | 21.3 | 21.9 | 22.4 | 20.7 | 21.4 | 21.2 | 21.8 | 22.3 |
| 8H | 21.1 | 21.7 | 21.6 | 22.1 | 22.6 | 21.0 | 21.6 | 21.5 | 22.0 | 22.5 |
| Variations with the observer position at spacings (CIE Pub.117): | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.2 | | | | | + 0.2 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |

Product Dimensions (DiaxH)

Ø 166 x 17mm (Tol. ± 5 mm), Cutout Size 155mm



Applications

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