

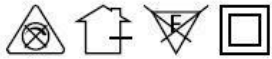
### INSTARAY 12W

INSTARAY SLIM LINEAR

Indoor Luminaire

Product Code:

LINRSL2T12XC / LINRSL2T12XN / LINRSL2T12XW  
12W - 1020lm - 6500K - CRI>70 Ra - Beam Angle 36°



### Technical Specifications

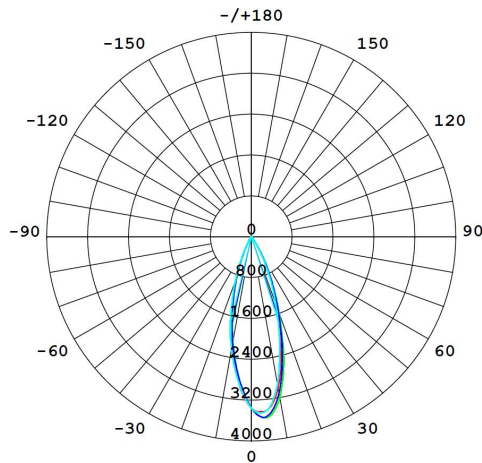
Operating Temperature	-10°C to 45°C
Rated Input Voltage & Frequency	48V DC
Rated Input Wattage	12W ± 10%
Rated Input Current	0.250 Amp (Nominal)
Rated Luminous Flux	1020 lm / 960 lm / 900 lm (tolerance as per BIS)
Rated Luminaire Efficacy	85 lm/W / 80 lm/W / 75 lm/W (tolerance as per BIS)
Correlated Color Temperature (CCT)	6500 K / 4000 K / 3000 K (tolerance as per ANSI)
Color Rendering Index (CRI)	>70 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



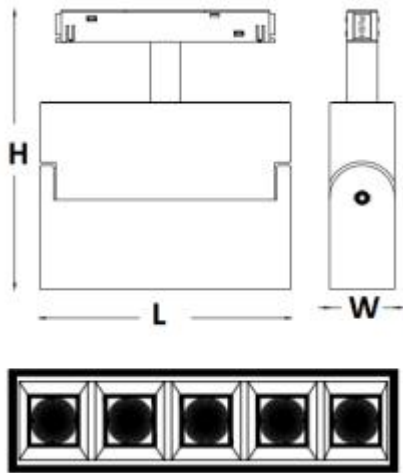
## UGR Table

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	14.5	15.2	14.7	15.4	15.5	14.3	15.0	14.5	15.2	15.3
3H	14.3	15.0	14.6	15.2	15.4	14.2	14.8	14.4	15.0	15.2
4H	14.3	14.9	14.5	15.1	15.3	14.1	14.7	14.3	14.9	15.1
6H	14.2	14.8	14.4	15.0	15.2	14.0	14.6	14.3	14.8	15.1
8H	14.1	14.7	14.4	15.0	15.2	13.9	14.5	14.2	14.8	15.0
12H	14.1	14.6	14.4	14.9	15.2	13.9	14.5	14.2	14.7	15.0
4H 2H	14.3	14.9	14.5	15.1	15.3	14.1	14.7	14.4	14.9	15.2
3H	14.1	14.7	14.4	14.9	15.2	13.9	14.5	14.2	14.7	15.0
4H	14.0	14.5	14.3	14.8	15.1	13.8	14.3	14.2	14.6	14.9
6H	13.9	14.4	14.3	14.7	15.0	13.7	14.2	14.1	14.5	14.8
8H	13.8	14.3	14.2	14.6	15.0	13.7	14.1	14.1	14.4	14.8
12H	13.8	14.2	14.2	14.5	14.9	13.6	14.0	14.0	14.4	14.8
8H 4H	13.8	14.3	14.2	14.6	15.0	13.7	14.1	14.1	14.4	14.8
6H	13.7	14.1	14.2	14.5	14.9	13.6	13.9	14.0	14.3	14.7
8H	13.7	14.0	14.1	14.4	14.8	13.5	13.8	13.9	14.2	14.7
12H	13.6	13.9	14.1	14.3	14.8	13.4	13.7	13.9	14.1	14.6
12H 4H	13.8	14.2	14.2	14.5	14.9	13.6	14.0	14.0	14.4	14.8
6H	13.7	14.0	14.1	14.4	14.8	13.5	13.8	13.9	14.2	14.7
8H	13.6	13.9	14.1	14.3	14.8	13.4	13.7	13.9	14.1	14.6
Variations with the observer position at spacings (CIE Pub.117):										
S = 1.0H	+ 3.0 / - 8.8					+ 3.2 / -10.5				
1.5H	+ 4.8 / - 5.4					+ 5.1 / - 5.9				
2.0H	+ 4.1 / - 7.5					+ 4.5 / -12.7				

With our continuous efforts to upgrade the technology/product, all product specifications and data are subject to change without prior notice. We always try to maintain the accuracy of our product images, but due to different viewing conditions, the colors may vary. Images are only for indicative purpose.

## Product Dimensions (L x W x H)

135 x 35 x 150mm (Tol.  $\pm 5$  mm)



## Applications

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