

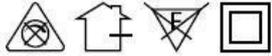
INSTARAY 12W

INSTARAY Slim Magnetic Track Light

Indoor Luminaire

Product Code:

LINRSL1F12XC / LINRSL1F12XN / LINRSL1F12XW
12W - 1140lm - 6500K - CRI>80 Ra - Beam Angle 36°



Technical Specifications

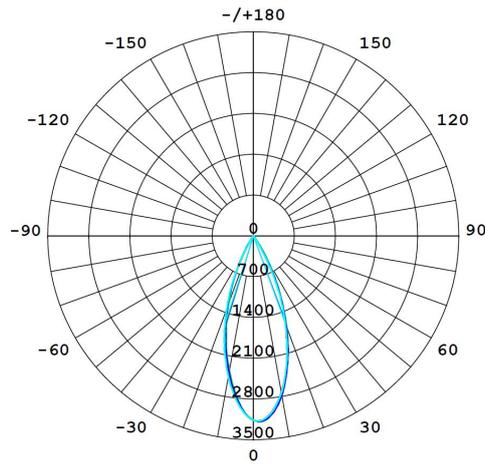
Operating Temperature	-10°C to 45°C
Rated Input Voltage & Frequency	48V DC
Rated Input Wattage	12W ± 10%
Rated Input Current	0.250 Amp (Nominal)
Rated Luminous Flux	1140 lm / 1080 lm / 1020 lm (tolerance as per BIS)
Rated Luminaire Efficacy	95 lm/W / 90 lm/W / 85 lm/W (tolerance as per BIS)
Correlated 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	1.2	1.9	1.4	2.1	2.2	-1.3	-0.5	-1.1	-0.4	-0.2
3H	1.0	1.7	1.2	1.9	2.1	-1.4	-0.8	-1.2	-0.6	-0.4
4H	0.9	1.6	1.2	1.8	2.0	-1.5	-0.9	-1.3	-0.7	-0.4
6H	0.8	1.5	1.1	1.7	1.9	-1.6	-1.0	-1.3	-0.8	-0.5
8H	0.8	1.4	1.1	1.6	1.9	-1.7	-1.1	-1.4	-0.8	-0.6
12H	0.7	1.3	1.1	1.6	1.8	-1.7	-1.1	-1.4	-0.9	-0.6
4H 2H	0.9	1.6	1.2	1.8	2.0	-1.5	-0.9	-1.3	-0.7	-0.4
3H	0.7	1.3	1.1	1.6	1.8	-1.7	-1.1	-1.4	-0.9	-0.6
4H	0.6	1.2	1.0	1.5	1.8	-1.8	-1.3	-1.5	-1.0	-0.7
6H	0.5	1.0	0.9	1.3	1.7	-1.9	-1.4	-1.5	-1.1	-0.8
8H	0.5	0.9	0.9	1.3	1.6	-2.0	-1.5	-1.6	-1.2	-0.8
12H	0.4	0.8	0.8	1.2	1.6	-2.0	-1.6	-1.6	-1.2	-0.9
8H 4H	0.5	0.9	0.9	1.3	1.6	-2.0	-1.5	-1.6	-1.2	-0.8
6H	0.4	0.7	0.8	1.1	1.5	-2.1	-1.7	-1.6	-1.3	-0.9
8H	0.3	0.6	0.8	1.1	1.5	-2.1	-1.8	-1.7	-1.4	-1.0
12H	0.3	0.5	0.7	1.0	1.4	-2.2	-1.9	-1.7	-1.5	-1.0
12H 4H	0.4	0.8	0.8	1.2	1.6	-2.0	-1.6	-1.6	-1.2	-0.9
6H	0.3	0.6	0.8	1.1	1.5	-2.1	-1.8	-1.7	-1.4	-1.0
8H	0.3	0.5	0.7	1.0	1.4	-2.2	-1.9	-1.7	-1.5	-1.0
Variations with the observer position at spacings (CIE Pub.117):										
S = 1.0H	+ 3.0 / - 1.0					+ 3.5 / - 1.0				
1.5H	+ 5.4 / -16.0					+ 5.9 / -15.4				
2.0H	+ 6.4 / - 1.0					+ 6.5 / - 1.0				

Product Dimensions (L x W x H)

220 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.