



BATH + LIGHT

INSTARAY 12W

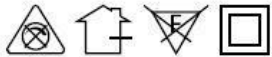
INSTARAY ROUND SLIM

Indoor Luminaire

Product Code:

LINRSD2R12XC / LINRSD2R12XN / LINRSD2R12XW

12W - 360lm - 6500K - CRI>80 Ra - Beam Angle 120°



Technical Specifications

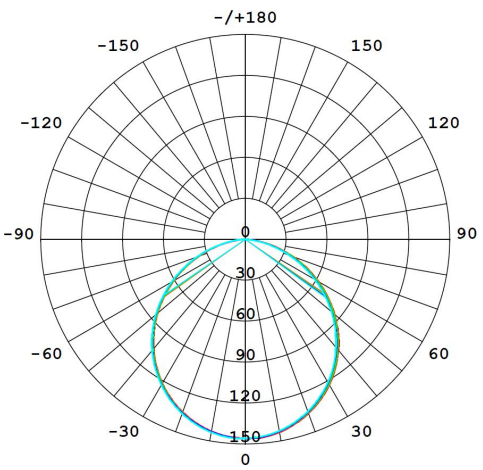
Operating Temperature	-10°C to 45°C
Rated Input Voltage & Frequency	48V DC
Rated Input Wattage	12W \pm 10%
Rated Input Current	0.250 Amp (Nominal)
Rated Luminous Flux	360 lm / 300 lm / 240 lm (tolerance as per BIS)
Rated Luminaire Efficacy	30 lm/W / 25 lm/W / 20 lm/W (tolerance as per BIS)
Correlated Color Temperature (CCT)	6500 K / 4000 K / 3000 K (tolerance as per ANSI)
Color Rendering Index (CRI)	>80 Ra
Beam Angle	120° (within the permissible limits)
Driver Efficiency	\geq 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	\pm 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



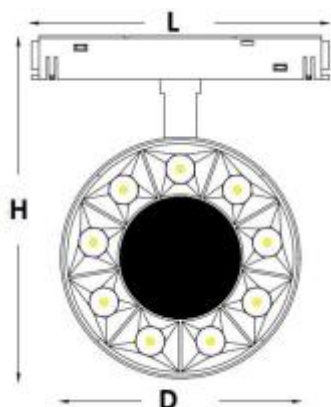
UGR Table

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	2H	23.3	24.8	23.6	25.0	25.2	23.1	24.6	23.4	24.8	25.0
	3H	24.8	26.2	25.1	26.4	26.6	24.4	25.8	24.7	26.0	26.3
	4H	25.3	26.6	25.6	26.9	27.1	24.9	26.2	25.2	26.4	26.7
	6H	25.6	26.9	26.0	27.2	27.4	25.1	26.3	25.4	26.6	26.9
	8H	25.7	26.9	26.0	27.2	27.5	25.1	26.3	25.5	26.6	26.9
	12H	25.7	26.9	26.1	27.1	27.4	25.1	26.2	25.4	26.5	26.8
4H	2H	23.9	25.2	24.2	25.5	25.7	23.7	25.0	24.0	25.3	25.5
	3H	25.5	26.6	25.8	26.9	27.2	25.2	26.3	25.5	26.6	26.9
	4H	26.1	27.2	26.5	27.5	27.8	25.7	26.8	26.1	27.1	27.4
	6H	26.6	27.5	27.0	27.8	28.2	26.1	27.0	26.5	27.3	27.7
	8H	26.7	27.5	27.1	27.9	28.3	26.1	27.0	26.5	27.3	27.7
	12H	26.7	27.5	27.1	27.9	28.3	26.1	26.9	26.5	27.3	27.7
8H	4H	26.3	27.2	26.7	27.6	27.9	26.0	26.8	26.4	27.2	27.6
	6H	26.9	27.6	27.3	28.0	28.4	26.4	27.1	26.8	27.5	27.9
	8H	27.0	27.6	27.5	28.1	28.5	26.5	27.1	26.9	27.5	28.0
	12H	27.1	27.6	27.5	28.0	28.5	26.5	27.0	26.9	27.5	27.9
12H	4H	26.3	27.1	26.7	27.5	27.9	26.0	26.8	26.4	27.1	27.5
	6H	26.9	27.5	27.3	27.9	28.4	26.4	27.0	26.9	27.5	27.9
	8H	27.0	27.6	27.5	28.0	28.5	26.5	27.1	27.0	27.5	28.0
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 / - 0.4				
2.0H	+ 0.3 / - 0.3						+ 0.3 / - 0.3				

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)

118 x 30 x 135mm (Tol. ± 5 mm)



Applications

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