

RENE 20W

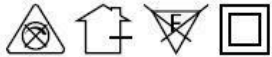
RENE TILTABLE LINEAR SPOT LIGHT

Indoor Luminaire

Product Code:

LRNE01S020XC / LRNE01S020XN / LRNE01S020XW

20W - 2000lm - 6500K - CRI>70 Ra - Beam Angle 30°



Technical Specifications

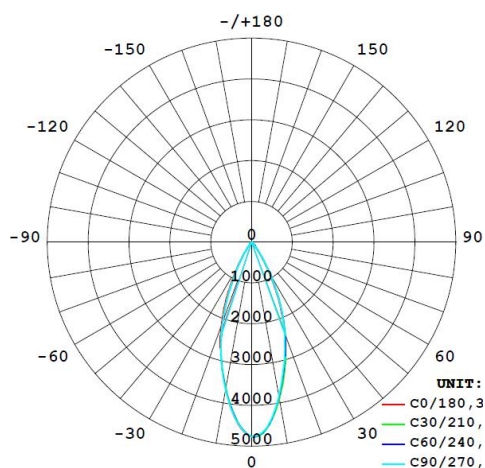
Operating Temperature	-10°C to 40°C
Rated Input Voltage & Frequency	220 ~ 240 VAC, 50Hz
Rated Input Wattage	20W ± 10%
Rated Input Current	0.090 Amp (Nominal)
Power Factor	≥0.90
THD	<10%
Rated Luminous Flux	2000 lm / 1900 lm / 1800 lm (tolerance as per BIS)
Rated Luminaire Efficacy	100 lm/W / 95 lm/W / 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)	>70 Ra
Beam Angle	30° (within the permissible limits)
Driver Efficiency	≥85%
LED Life Span	>50000 Hrs (Ta=25°C @L70)
Housing	Aluminium Extrusion with Black Powder Coating and CRCA Frame with White/Black Powder Coating
Lens / Reflector	PC Lens & Reflector
Mounting	Recess

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	4.4	5.2	4.6	5.3	5.5	5.3	6.1	5.5	6.3	6.4
3H	4.2	4.9	4.4	5.1	5.3	5.1	5.9	5.4	6.1	6.3
4H	4.1	4.8	4.4	5.0	5.2	5.1	5.8	5.3	6.0	6.2
6H	4.0	4.7	4.3	4.9	5.2	5.0	5.6	5.3	5.9	6.1
8H	4.0	4.6	4.3	4.9	5.1	4.9	5.6	5.2	5.8	6.1
12H	3.9	4.5	4.2	4.8	5.1	4.9	5.5	5.2	5.8	6.0
4H 2H	4.1	4.8	4.4	5.0	5.3	5.1	5.8	5.3	6.0	6.2
3H	4.0	4.6	4.3	4.8	5.1	4.9	5.5	5.2	5.8	6.0
4H	3.9	4.4	4.2	4.7	5.0	4.8	5.4	5.1	5.7	6.0
6H	3.8	4.3	4.1	4.6	4.9	4.7	5.2	5.1	5.5	5.9
8H	3.7	4.2	4.1	4.5	4.9	4.6	5.1	5.0	5.5	5.8
12H	3.7	4.1	4.1	4.4	4.8	4.6	5.0	5.0	5.4	5.8
8H 4H	3.7	4.2	4.1	4.5	4.9	4.6	5.1	5.0	5.5	5.8
6H	3.6	4.0	4.0	4.4	4.8	4.5	4.9	5.0	5.3	5.7
8H	3.5	3.9	4.0	4.3	4.7	4.5	4.8	4.9	5.2	5.7
12H	3.5	3.8	4.0	4.2	4.7	4.4	4.7	4.9	5.1	5.6
12H 4H	3.7	4.1	4.1	4.4	4.8	4.6	5.0	5.0	5.4	5.8
6H	3.5	3.9	4.0	4.3	4.7	4.5	4.8	4.9	5.2	5.7
8H	3.5	3.8	4.0	4.2	4.7	4.4	4.7	4.9	5.1	5.6
Variations with the observer position at spacings(CIE Pub.117) :										
S = 1.0H	+ 2.8 / -11.5					+ 3.4 / -11.9				
1.5H	+ 5.1 / - 8.8					+ 5.8 / - 8.8				
2.0H	+ 4.1 / - 5.4					+ 5.1 / - 5.2				

Product Dimensions (LxWxH)

290 x 55 x 47mm, Cutout: 286 x 47 mm



Applications

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