

CYNO 10W

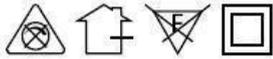
CYNO Surface Mount COB Focus Light

Indoor Luminaire

Product Code:

LCYN01R010SC / LCYN01R010SN / LCYN01R010SW

10W - 650lm - 6500K - CRI>90 - Beam Angle 20°



Technical Specifications

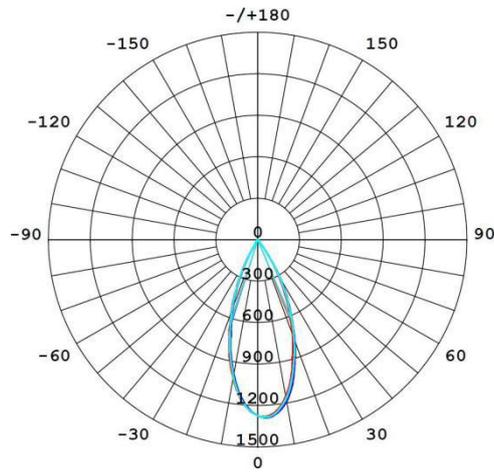
Operating Temperature	-10°C to 40°C
Rated Input Voltage & Frequency	230 VAC, 50Hz
Rated Input Wattage	10W ± 10%
Rated Input Current	0.048 Amp (Nominal)
Power Factor	≥0.90
THD	<10%
Rated Luminous Flux	650 lm / 600 lm / 550 lm (tolerance as per BIS)
Rated Luminaire Efficacy	65 lm/W / 60 lm/W / 55 lm/W (tolerance as per BIS)
Correlated Color Temperature (CCT)	6500 K / 4000 K / 3000 K (tolerance as per ANSI)
Color Rendering Index (CRI)	>90
Beam Angle	20°
Driver Efficiency	≥85%
LED Life Span	>50000 Hrs (Ta=25°C @L70)
Housing	Die Cast Aluminium with Black Powder Coating
Lens / Reflector	Anodized Reflector and Clear PC Diffuser
Mounting	Surface Mount

Protections

Over Voltage Protection	Withstand upto 360V/AC for 20 min.
.Surge Protection	±2.5KV
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

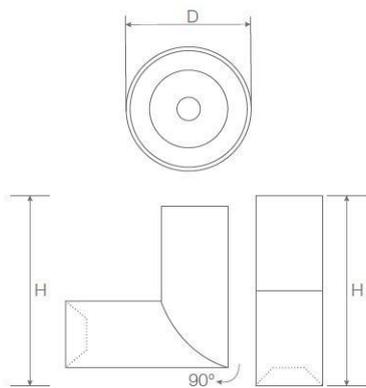


UGR Table

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	4.8	5.6	5.0	5.7	5.9	5.3	6.1	5.5	6.3	6.4
3H	4.6	5.3	4.9	5.5	5.7	5.2	5.9	5.4	6.1	6.3
4H	4.5	5.2	4.8	5.4	5.6	5.1	5.8	5.4	6.0	6.2
6H	4.4	5.1	4.7	5.3	5.6	5.0	5.7	5.3	5.9	6.1
8H	4.4	5.0	4.7	5.3	5.5	5.0	5.6	5.3	5.8	6.1
12H	4.4	4.9	4.7	5.2	5.5	4.9	5.5	5.2	5.8	6.0
4H 2H	4.5	5.2	4.8	5.4	5.6	5.1	5.8	5.4	6.0	6.2
3H	4.4	5.0	4.7	5.2	5.5	4.9	5.5	5.2	5.8	6.1
4H	4.3	4.8	4.6	5.1	5.4	4.8	5.4	5.2	5.7	6.0
6H	4.2	4.6	4.5	5.0	5.3	4.7	5.2	5.1	5.5	5.9
8H	4.1	4.6	4.5	4.9	5.3	4.7	5.1	5.1	5.5	5.8
12H	4.1	4.5	4.5	4.8	5.2	4.6	5.0	5.0	5.4	5.8
8H 4H	4.1	4.6	4.5	4.9	5.3	4.7	5.1	5.1	5.5	5.8
6H	4.0	4.4	4.4	4.8	5.2	4.6	4.9	5.0	5.3	5.7
8H	3.9	4.3	4.4	4.7	5.1	4.5	4.8	5.0	5.2	5.7
12H	3.9	4.2	4.4	4.6	5.1	4.5	4.7	4.9	5.2	5.6
12H 4H	4.1	4.5	4.5	4.8	5.2	4.6	5.0	5.0	5.4	5.8
6H	3.9	4.3	4.4	4.7	5.1	4.5	4.8	5.0	5.2	5.7
8H	3.9	4.2	4.4	4.6	5.1	4.5	4.7	4.9	5.2	5.6
Variations with the observer position at spacings (CIE Pub.117) :										
S = 1.0H	+ 3.6 / - 8.0					+ 4.4 / - 8.7				
1.5H	+ 5.3 / - 5.2					+ 6.4 / - 5.6				
2.0H	+ 4.2 / - 8.3					+ 4.1 / - 7.8				

Product Dimensions (Dia x H)

Ø49.5 X 176 mm (Tol.±5 mm)



Applications

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