



BATH + LIGHT

REFLECTORZ ROUND 9W

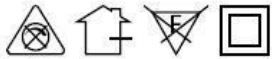
REFLECTORZ ROUND COB DOWNLIGHT

Indoor Luminaire

Product Code:

LSYGRDR009XN / LSYGRDR009XW

9W - 450lm - 4000K - CRI>90 Ra - Beam Angle 20°



Technical Specifications

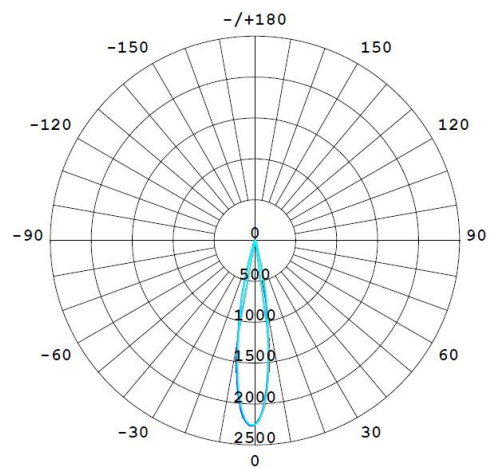
Operating Temperature	-10°C to 40°C
Rated Input Voltage & Frequency	230 VAC, 50Hz
Rated Input Wattage	9W \pm 10%
Rated Input Current	0.044 Amp (Nominal)
Power Factor	\geq 0.90
ATHD	<10%
Rated Luminous Flux	450 lm / 405 lm (tolerance as per BIS)
Rated Luminaire Efficacy	50 lm/W / 45 lm/W (tolerance as per BIS)
Correlated Color Temperature (CCT)	4000 K / 3000 K (tolerance as per ANSI)
Color Rendering Index (CRI)	>90 Ra
Beam Angle	20° (within the permissible limits)
Driver Efficiency	\geq 85%
LED Life Span	>50000 Hrs (Ta=25°C @L70)
Housing	Aluminium housing with white powder coating
Lens / Reflector	PC. Reflector
Mounting	Recess

Protections

Over Voltage Protection	Withstand upto 440V/AC for 4 Hrs.
Surge Protection	\pm 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



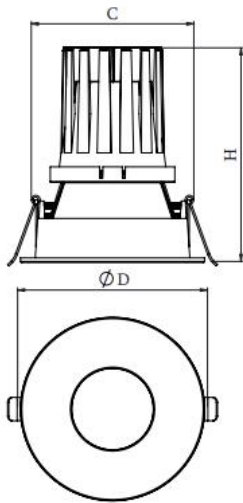
UGR Table

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	2H	14.0	14.6	14.2	14.7	14.9	14.0	14.6	14.2	14.8	14.9
	3H	16.3	16.9	16.5	17.1	17.2	15.9	16.5	16.2	16.7	16.9
	4H	17.0	17.5	17.2	17.8	18.0	16.5	17.1	16.8	17.3	17.5
	6H	17.6	18.1	17.9	18.4	18.6	16.9	17.4	17.2	17.7	17.9
	8H	17.8	18.3	18.0	18.5	18.8	16.9	17.4	17.2	17.7	17.9
	12H	17.8	18.3	18.1	18.5	18.8	16.9	17.4	17.2	17.6	17.9
4H	2H	15.1	15.6	15.3	15.8	16.0	15.1	15.6	15.3	15.8	16.0
	3H	17.2	17.7	17.5	17.9	18.2	16.8	17.4	17.1	17.6	17.9
	4H	18.0	18.4	18.3	18.7	19.0	17.5	18.0	17.9	18.3	18.6
	6H	18.7	19.1	19.0	19.4	19.7	17.9	18.4	18.3	18.7	19.0
	8H	18.8	19.2	19.2	19.5	19.9	18.0	18.3	18.3	18.7	19.1
	12H	18.8	19.2	19.2	19.6	19.9	17.9	18.3	18.3	18.6	19.0
8H	4H	18.2	18.5	18.5	18.9	19.3	17.8	18.2	18.2	18.5	18.9
	6H	18.9	19.2	19.3	19.6	20.0	18.2	18.6	18.7	19.0	19.4
	8H	19.1	19.4	19.5	19.8	20.2	18.3	18.5	18.7	19.0	19.4
	12H	19.1	19.4	19.6	19.8	20.3	18.2	18.4	18.7	18.9	19.4
12H	4H	18.1	18.5	18.5	18.9	19.2	17.8	18.1	18.2	18.5	18.9
	6H	18.9	19.2	19.3	19.6	20.0	18.2	18.5	18.7	18.9	19.4
	8H	19.1	19.3	19.5	19.8	20.2	18.3	18.5	18.7	18.9	19.4
Variations with the observer position at spacings(CIE Pub.117) :											
S = 1.0H	+ 0.5 / - 0.4					+ 0.5 / - 0.7					
1.5H	+ 0.9 / - 1.2					+ 1.1 / - 1.0					
2.0H	+ 1.0 / - 1.3					+ 1.2 / - 1.3					

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 (D x H)

Ø80 x 93 mm (Tol. ± 5 mm), Cutout Size Ø68 mm



Applications

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