

GEM BLAZE 9W

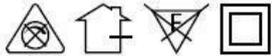
GEM BLAZE ROUND DOWNLIGHT

Indoor Luminaire

Product Code:

LGEMB01R09XC / LGEMB01R09XN / LGEMB01R09XW

9W - 510lm - 6500K - CRI>80 - Beam Angle - 60°



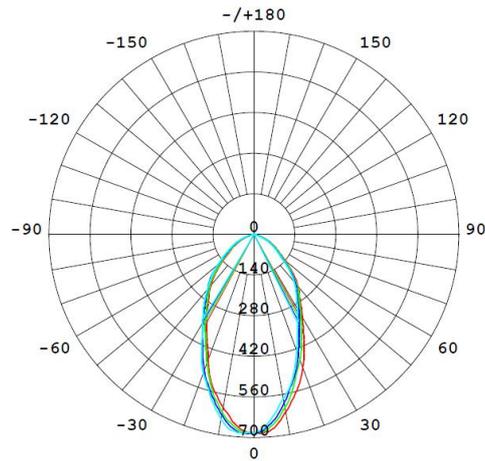
Technical Specifications

Operating Temperature	-10°C to 40°C
Rated Input Voltage & Frequency	220 ~ 240 VAC, 50Hz
Rated Input Wattage	9W ± 10%
Rated Input Current	0.044 Amp (Nominal)
Power Factor	≥0.90
THD	<15%
Rated Luminous Flux	510 lm / 480 lm / 450 lm (tolerance as per BIS)
Rated Luminaire Efficacy	85 lm/W / 80 lm/W / 75 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
Beam Angle	60°
Driver Efficiency	≥80%
LED Life Span	>50000 Hrs (Ta=25°C @L70)
Housing	PC Housing
Lens / Reflector	PC Diffuser
Mounting	Recessed

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

Light Distribution

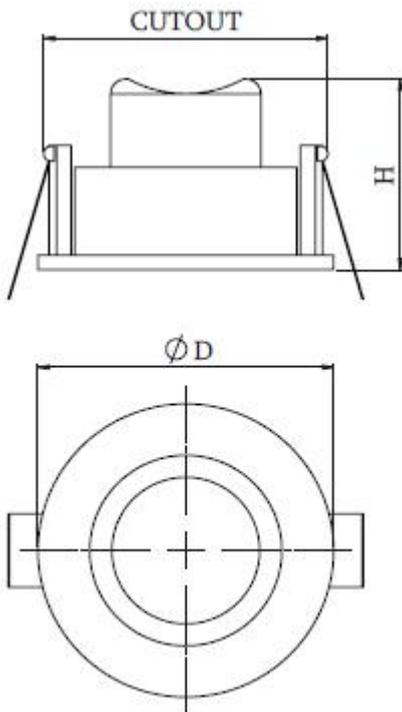


UGR Table

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	14.3	15.6	14.6	15.8	16.0	13.7	14.9	13.9	15.1	15.3
3H	15.1	16.2	15.3	16.4	16.6	14.1	15.2	14.3	15.4	15.7
4H	15.1	16.2	15.4	16.4	16.7	14.0	15.1	14.3	15.4	15.6
6H	15.1	16.1	15.4	16.4	16.6	14.0	15.0	14.3	15.3	15.5
8H	15.0	16.0	15.4	16.3	16.6	14.0	14.9	14.3	15.2	15.5
12H	15.0	16.0	15.3	16.2	16.5	13.9	14.9	14.2	15.1	15.4
4H 2H	14.6	15.7	14.9	15.9	16.1	14.0	15.1	14.3	15.3	15.6
3H	15.4	16.3	15.7	16.6	16.9	14.5	15.4	14.8	15.7	16.0
4H	15.5	16.3	15.8	16.6	17.0	14.5	15.3	14.8	15.6	16.0
6H	15.4	16.2	15.8	16.5	16.9	14.4	15.2	14.8	15.5	15.9
8H	15.4	16.1	15.8	16.5	16.9	14.4	15.1	14.8	15.5	15.8
12H	15.4	16.0	15.8	16.4	16.8	14.4	15.0	14.8	15.4	15.8
8H 4H	15.4	16.1	15.8	16.5	16.8	14.4	15.1	14.9	15.5	15.9
6H	15.4	16.0	15.8	16.4	16.8	14.4	15.0	14.9	15.4	15.8
8H	15.4	15.9	15.8	16.3	16.8	14.4	14.9	14.9	15.3	15.8
12H	15.4	15.8	15.9	16.3	16.7	14.4	14.8	14.9	15.3	15.7
12H 4H	15.4	16.0	15.8	16.4	16.8	14.4	15.0	14.8	15.4	15.8
6H	15.4	15.9	15.8	16.3	16.7	14.4	14.9	14.9	15.3	15.8
8H	15.4	15.8	15.8	16.2	16.7	14.4	14.8	14.9	15.3	15.7
Variations with the observer position at spacings (CIE Pub.117):										
S = 1.0H	+ 0.7 / - 0.9					+ 0.9 / - 1.0				
1.5H	+ 0.5 / - 0.5					+ 0.4 / - 0.6				
2.0H	+ 1.4 / - 1.0					+ 1.4 / - 1.0				

Product Dimensions (DiaxH)

Ø 116 X 53mm (Tol. ± 5 mm), Cutout Size 87mm



Applications

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