

GEM SURFACE 6W

LED GEM SURFACE TRIMLESS ROUND

Product Code:

LGEM01R006SC / LGEM01R006SN / LGEM01R006SW

6W - 450lm - 6500K - CRI>80 - Beam Angle 120°



Technical Specifications

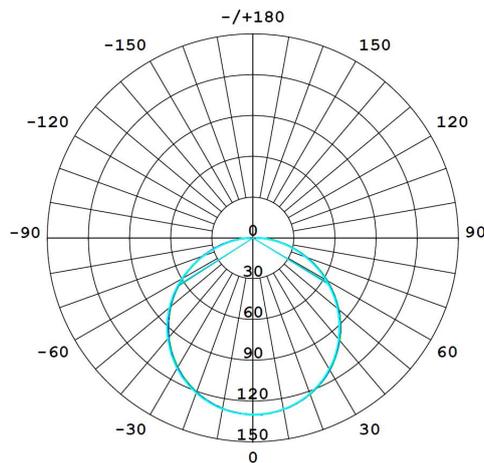
Operating Temperature	-10°C to 40°C
Rated Input Voltage & Frequency	240 V/AC, 50Hz
Rated Input Wattage	6W
Rated Input Current	0.028 Amp (Nominal)
Power Factor	≥0.90
THD	NA
Rated Luminous Flux	450 lm / 420 lm / 390 lm
Rated Luminaire Efficacy	75 lm/W / 70 lm/W / 65 lm/W
Correlated Color Temperature (CCT)	6500 K / 4000 K / 3000 K As per ANSI
Color Rendering Index (CRI)	>80 Ra
Beam Angle	120°
Driver Efficiency	NA
Life Span	>50000 Hrs (Ta=25°C @L70)
Housing	PC. Housing
Cover	PC. Diffuser
Lens / Reflector	NA
Mounting	Surface

Protections

Over Voltage Protection	Withstand upto 380V/AC upto 4 Hrs
Surge Protection	±2.5KV
Protection Class	NA
Ingress Protection (IP Rating)	IP20
Impact Protection (IK Rating)	IK02
Short Circuit Protection	NA
Open Circuit Protection (No Load)	NA
Reverse Polarity Protection	NA

All technical data is subject to industry-standard tolerances.

Light Distribution

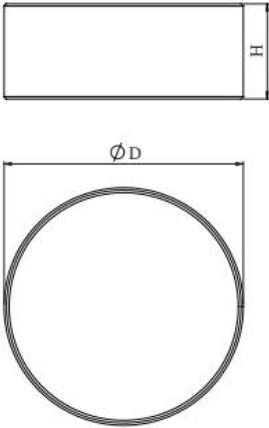


UGR Table

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	17.1	18.6	17.3	18.8	19.0	17.0	18.5	17.3	18.7	18.9	
	3H	18.8	20.2	19.1	20.5	20.7	18.7	20.1	19.0	20.4	20.6	
	4H	19.6	20.9	19.9	21.2	21.4	19.4	20.8	19.7	21.0	21.3	
	6H	20.2	21.5	20.6	21.8	22.1	20.0	21.3	20.4	21.6	21.9	
	8H	20.5	21.7	20.8	22.0	22.3	20.3	21.5	20.6	21.8	22.1	
	12H	20.7	21.9	21.1	22.2	22.5	20.5	21.7	20.8	22.0	22.3	
	4H	2H	17.7	19.1	18.1	19.4	19.6	17.7	19.0	18.0	19.3	19.6
		3H	19.7	20.9	20.0	21.2	21.5	19.6	20.8	19.9	21.1	21.4
		4H	20.6	21.7	21.0	22.0	22.3	20.5	21.6	20.8	21.9	22.2
		6H	21.4	22.4	21.8	22.7	23.1	21.2	22.2	21.6	22.5	22.9
		8H	21.7	22.6	22.1	23.0	23.4	21.5	22.4	21.9	22.8	23.2
		12H	22.0	22.9	22.4	23.2	23.7	21.8	22.6	22.2	23.0	23.4
	8H	4H	20.9	21.8	21.3	22.2	22.6	20.8	21.7	21.2	22.1	22.5
		6H	21.9	22.7	22.4	23.1	23.5	21.8	22.5	22.2	22.9	23.4
		8H	22.4	23.1	22.8	23.5	23.9	22.2	22.9	22.7	23.3	23.8
		12H	22.8	23.4	23.3	23.8	24.3	22.6	23.2	23.1	23.6	24.1
	12H	4H	21.0	21.8	21.4	22.2	22.6	20.9	21.7	21.3	22.1	22.5
		6H	22.0	22.7	22.5	23.1	23.6	21.9	22.6	22.3	23.0	23.4
		8H	22.6	23.1	23.0	23.6	24.1	22.4	23.0	22.9	23.4	23.9
Variations with the observer position at spacings (CIE Pub.117) :												
	S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2					
	1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
	2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3					

Product Dimensions (DxH)

Ø90 x 27 mm



Applications

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