



BATH + LIGHT

Date: 28/07/2023

Revision No.: 00

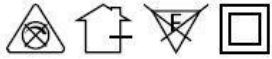
GEM SURFACE 12W

LED GEM SURFACE TRIMLESS ROUND

Product Code:

LGEM01R012SC / LGEM01R012SN / LGEM01R012SW

12W - 980lm - 6500K - CRI>80 - Beam Angle 106°



Technical Specifications

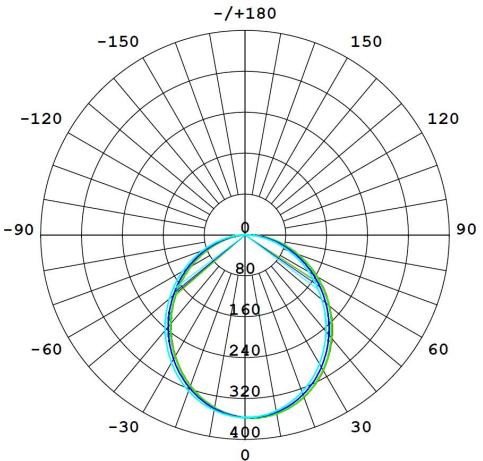
Operating Temperature	-10°C to 40°C
Rated Input Voltage & Frequency	240 V/AC, 50Hz
Rated Input Wattage	12W
Rated Input Current	0.058 Amp (Nominal)
Power Factor	≥0.90
THD	NA
Rated Luminous Flux	960 lm / 900 lm / 840 lm
Rated Luminaire Efficacy	80 lm/W / 75 lm/W / 70 lm/W
Correlated Color Temperature (CCT)	6500 K / 4000 K / 3000 K As per ANSI
Color Rendering Index (CRI)	>80 Ra
Beam Angle	106°
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 4Hrs
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



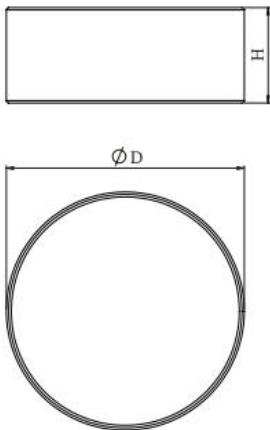
UGR Table

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	17.4	18.9	17.7	19.1	19.3	16.9	18.4	17.2	18.6	18.8
	3H	19.1	20.5	19.4	20.8	21.0	18.4	19.8	18.7	20.1	20.3
	4H	19.9	21.3	20.3	21.5	21.8	19.1	20.4	19.4	20.7	20.9
	6H	20.6	21.9	21.0	22.2	22.5	19.6	20.8	19.9	21.1	21.4
	8H	20.9	22.1	21.3	22.4	22.7	19.8	21.0	20.1	21.3	21.6
	12H	21.2	22.4	21.6	22.7	23.0	19.9	21.0	20.2	21.4	21.7
4H	2H	18.0	19.3	18.3	19.6	19.9	17.6	19.0	18.0	19.2	19.5
	3H	20.0	21.1	20.3	21.4	21.7	19.4	20.5	19.7	20.8	21.2
	4H	20.9	22.0	21.3	22.3	22.6	20.2	21.2	20.5	21.6	21.9
	6H	21.8	22.7	22.2	23.1	23.5	20.8	21.8	21.2	22.1	22.5
	8H	22.2	23.0	22.6	23.4	23.8	21.1	21.9	21.5	22.3	22.7
	12H	22.5	23.3	23.0	23.7	24.2	21.3	22.1	21.7	22.5	22.9
8H	4H	21.2	22.1	21.6	22.5	22.9	20.6	21.5	21.0	21.8	22.2
	6H	22.3	23.0	22.7	23.4	23.9	21.4	22.2	21.9	22.6	23.0
	8H	22.8	23.5	23.3	23.9	24.4	21.8	22.5	22.3	22.9	23.4
	12H	23.3	23.9	23.8	24.4	24.8	22.1	22.7	22.6	23.1	23.6
12H	4H	21.2	22.1	21.7	22.5	22.9	20.6	21.5	21.1	21.8	22.3
	6H	22.4	23.0	22.9	23.5	23.9	21.6	22.2	22.0	22.7	23.1
	8H	23.0	23.5	23.5	24.0	24.5	22.0	22.6	22.5	23.0	23.5
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 / - 0.4					

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 colours may vary. Images are only for indicative purpose.

Product Dimensions (DxH)

Ø121 x 27 mm



Applications

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