



BATH + LIGHT

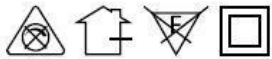
## GEM SURFACE 12W

LED GEM SURFACE TRIMLESS ROUND

### Product Code:

LGEM01R012SC / LGEM01R012SN / LGEM01R012SW

12W - 960lm - 6500K - CRI>80 Ra - Beam Angle 106°



### Technical Specifications

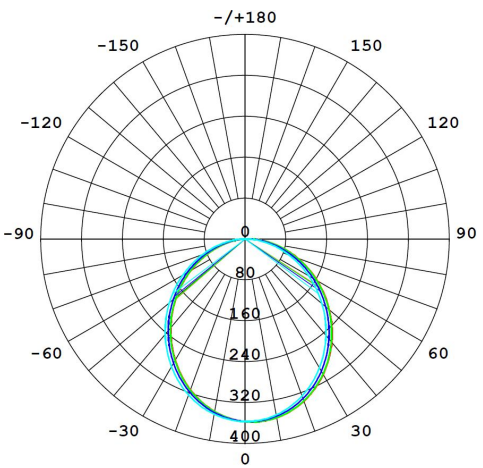
Operating Temperature	-10°C to 40°C
Rated Input Voltage & Frequency	240 VAC, 50Hz
Rated Input Wattage	12W $\pm$ 10%
Rated Input Current	0.058 Amp (Nominal)
Power Factor	$\geq 0.90$
Rated Luminous Flux	960 lm / 900 lm / 840 lm (tolerance as per BIS)
Rated Luminaire Efficacy	80 lm/W / 75 lm/W / 70 lm/W (tolerance as per BIS)
Correlated Color Temperature (CCT)	6500 K / 4000 K / 3000 K (tolerance as per ANSI)
Color Rendering Index (CRI)	>80 Ra
Beam Angle	106° (within the permissible limits)
Life Span	>50000 Hrs (Ta=25°C @L70)
Housing	PC. Housing
Cover	PC. Diffuser
Mounting	Surface

### Protections

Over Voltage Protection	Withstand upto 380V/AC upto 4Hrs
Surge Protection	$\pm 2.5$ KV
Protection Class	Class II
Ingress Protection (IP Rating)	IP20
Impact Protection (IK Rating)	IK02

All technical data is subject to industry-standard tolerances.

Light Distribution



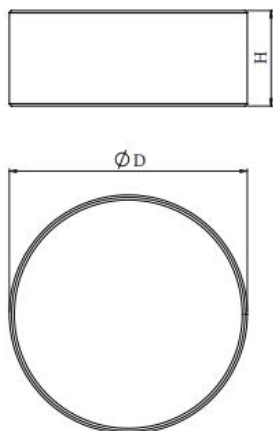
UGR Table

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	24.9	26.4	25.2	26.6	26.8	24.4	25.9	24.7	26.1	26.3
	3H	26.6	28.0	26.9	28.3	28.5	25.9	27.3	26.2	27.6	27.8
	4H	27.4	28.7	27.7	29.0	29.3	26.6	27.9	26.9	28.1	28.4
	6H	28.1	29.4	28.4	29.6	29.9	27.0	28.3	27.4	28.6	28.9
	8H	28.4	29.6	28.8	29.9	30.2	27.2	28.4	27.6	28.7	29.0
	12H	28.7	29.9	29.1	30.2	30.5	27.4	28.5	27.7	28.8	29.1
4H	2H	25.5	26.8	25.8	27.1	27.3	25.1	26.4	25.4	26.7	27.0
	3H	27.4	28.6	27.8	28.9	29.2	26.9	28.0	27.2	28.3	28.6
	4H	28.4	29.4	28.8	29.8	30.1	27.6	28.7	28.0	29.0	29.4
	6H	29.2	30.2	29.7	30.6	30.9	28.3	29.2	28.7	29.6	30.0
	8H	29.6	30.5	30.1	30.9	31.3	28.5	29.4	29.0	29.8	30.2
	12H	30.0	30.8	30.4	31.2	31.6	28.7	29.5	29.2	29.9	30.4
8H	4H	28.7	29.6	29.1	30.0	30.4	28.1	28.9	28.5	29.3	29.7
	6H	29.8	30.5	30.2	30.9	31.4	28.9	29.6	29.4	30.1	30.5
	8H	30.3	30.9	30.8	31.4	31.8	29.3	29.9	29.7	30.4	30.8
	12H	30.8	31.4	31.3	31.8	32.3	29.6	30.2	30.1	30.6	31.1
12H	4H	28.7	29.5	29.2	29.9	30.3	28.1	28.9	28.6	29.3	29.7
	6H	29.9	30.5	30.3	30.9	31.4	29.1	29.7	29.5	30.1	30.6
	8H	30.5	31.0	30.9	31.5	32.0	29.5	30.1	30.0	30.5	31.0
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 colors may vary. Images are only for indicative purpose.

## Product Dimensions (Dia.xH)

Ø121 x 27 mm



## Applications

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