

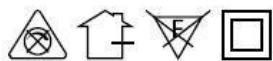
## GEM SURFACE 18W

LED GEM SURFACE TRIMLESS ROUND

**Product Code:**

LGEM01R018SC / LGEM01R018SN / LGEM01R018SW

18W - 1260lm - 6500K - CRI>80 Ra - Beam Angle 106°



### Technical Specifications

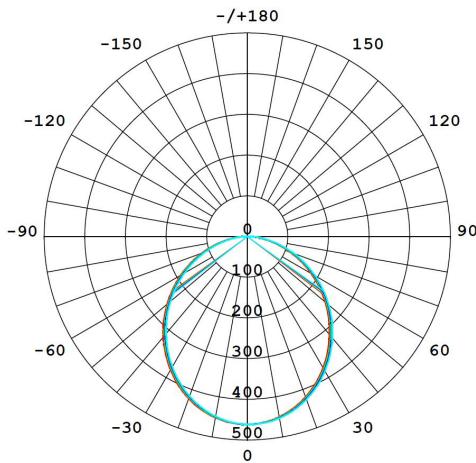
Operating Temperature	-10°C to 40°C
Rated Input Voltage & Frequency	240 VAC, 50Hz
Rated Input Wattage	18W ± 10%
Rated Input Current	0.085 Amp (Nominal)
Power Factor	≥0.90
Rated Luminous Flux	1260 lm / 1170 lm / 1080 lm (tolerance as per BIS)
Rated Luminaire Efficacy	70 lm/W / 65 lm/W / 60 lm/W (tolerance 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	±2.5KV
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



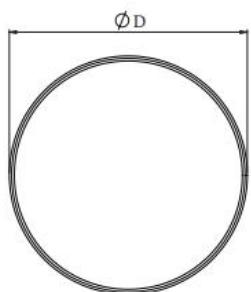
## UGR Table

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	23.1	24.6	23.4	24.8	25.0	23.3	24.8	23.6	25.0	25.3
3H	24.6	26.0	24.9	26.2	26.4	24.9	26.3	25.2	26.5	26.8
4H	25.1	26.5	25.5	26.7	27.0	25.5	26.8	25.8	27.1	27.4
6H	25.5	26.8	25.9	27.1	27.4	26.0	27.3	26.4	27.5	27.8
8H	25.7	26.9	26.0	27.2	27.5	26.2	27.4	26.5	27.7	28.0
12H	25.8	26.9	26.1	27.2	27.5	26.3	27.5	26.7	27.8	28.1
4H	23.7	25.1	24.1	25.3	25.6	23.9	25.2	24.2	25.5	25.8
3H	25.4	26.5	25.7	26.8	27.2	25.6	26.8	26.0	27.1	27.4
4H	26.1	27.1	26.5	27.5	27.8	26.4	27.5	26.8	27.8	28.1
6H	26.6	27.6	27.0	27.9	28.3	27.1	28.0	27.5	28.4	28.7
8H	26.8	27.7	27.2	28.1	28.4	27.3	28.2	27.7	28.5	28.9
12H	26.9	27.7	27.4	28.1	28.5	27.5	28.3	27.9	28.7	29.1
8H	26.4	27.3	26.8	27.6	28.0	26.7	27.6	27.1	27.9	28.3
6H	27.1	27.8	27.5	28.2	28.6	27.5	28.2	27.9	28.6	29.0
8H	27.3	28.0	27.8	28.4	28.9	27.8	28.5	28.3	28.9	29.3
12H	27.5	28.1	28.0	28.6	29.0	28.1	28.7	28.6	29.1	29.6
12H	26.4	27.2	26.8	27.6	28.0	26.7	27.5	27.1	27.9	28.3
6H	27.1	27.8	27.6	28.2	28.7	27.5	28.2	28.0	28.6	29.1
8H	27.5	28.0	27.9	28.5	29.0	27.9	28.5	28.4	28.9	29.4
Variations with the observer position at spacings (CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				

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)

Ø156 x 27 mm



## Applications

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