

**PEARL PLUS 6W**

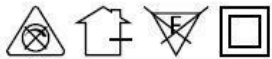
PEARL PLUS ROUND DOWNLIGHT

Indoor Luminaire

Product Code:

LPPS02R006XC / LPPS02R006XN / LPPS02R006XW

6W - 540lm - 6500K - CRI>80 - Beam Angle 115°



**Technical Specifications**

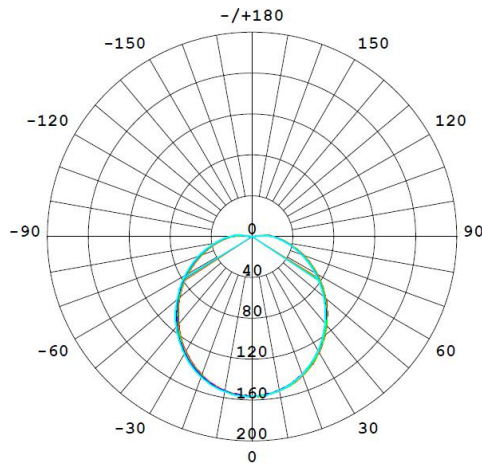
Operating Temperature	-10°C to 40°C
Rated Input Voltage & Frequency	230 VAC, 50Hz
Rated Input Wattage	6W ± 10%
Rated Input Current	0.028 Amp (Nominal)
Power Factor	≥0.90
THD	<15%
Rated Luminous Flux	540 lm / 510 lm / 480 lm (tolerance as per BIS)
Rated Luminaire Efficacy	90 lm/W / 85 lm/W / 80 lm/W (tolerance as per BIS)
Correlated Color Temperature (CCT)	6500 K / 4000 K / 3000 K (tolerance as per ANSI)
Color Rendering Index (CRI)	>80
Beam Angle	115°
Driver Efficiency	≥80%
LED Life Span	>50000 Hrs (Ta=25°C @L70)
Housing	PC. housing
Lens / Reflector	PC. Diffuser
Mounting	Recess

**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

All technical data is subject to industry-standard tolerances.

# Light Distribution

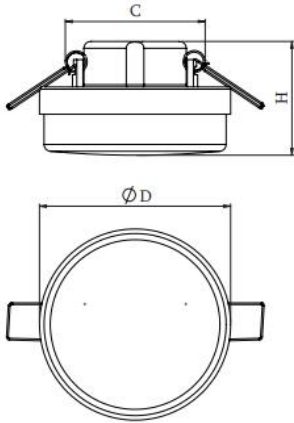


## UGR Table

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	16.3	17.8	16.6	18.1	18.3	16.1	17.6	16.4	17.9	18.1
3H	18.2	19.6	18.5	19.9	20.2	18.0	19.4	18.3	19.7	20.0
4H	19.2	20.5	19.5	20.9	21.2	18.9	20.3	19.3	20.6	20.9
6H	20.2	21.5	20.6	21.8	22.2	19.9	21.1	20.2	21.5	21.8
8H	20.7	22.0	21.1	22.3	22.7	20.3	21.6	20.7	21.9	22.3
12H	21.3	22.5	21.7	22.9	23.2	20.9	22.1	21.3	22.5	22.8
4H 2H	16.9	18.3	17.3	18.6	18.9	16.8	18.2	17.1	18.5	18.8
3H	19.1	20.3	19.5	20.7	21.0	18.9	20.1	19.3	20.5	20.8
4H	20.2	21.3	20.7	21.7	22.1	20.0	21.1	20.4	21.5	21.9
6H	21.4	22.4	21.9	22.8	23.3	21.1	22.1	21.6	22.5	23.0
8H	22.0	23.0	22.5	23.4	23.9	21.7	22.7	22.2	23.1	23.5
12H	22.8	23.6	23.2	24.1	24.5	22.4	23.3	22.9	23.7	24.2
8H 4H	20.7	21.6	21.1	22.0	22.5	20.5	21.4	20.9	21.8	22.3
6H	22.1	22.9	22.6	23.4	23.9	21.9	22.6	22.4	23.1	23.6
8H	22.9	23.6	23.4	24.1	24.6	22.6	23.3	23.1	23.8	24.3
12H	23.8	24.4	24.4	24.9	25.5	23.5	24.1	24.0	24.6	25.2
12H 4H	20.7	21.6	21.2	22.0	22.5	20.6	21.4	21.0	21.9	22.3
6H	22.3	23.0	22.8	23.5	24.0	22.1	22.8	22.6	23.2	23.8
8H	23.2	23.8	23.7	24.3	24.8	22.9	23.5	23.4	24.0	24.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

## Product Dimensions (L x W x H)

Ø80 x 45mm (Tol. ± 5 mm), Cutout Size Ø45mm



## Applications

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