

Round LED Panel Down Light Specification



Features

- Triac, 0-10V, PWN, DALI dimming available.
- More than 80lm/w, energy saving 50%.
- Super Long life designed UL listed drivers, MTBF estimated at 60,000 hours. LED works more stable.
- Aluminum alloy 6063 body, with effective heat dissipation.
- Glare deeply embedded structural design, No bad glare and stroboscopic.
- Long life, >50000 hours.
- 3 years warranty, CE approval.
- Professional technical support, Dialux solution and IES file can be available.

Specification

Model No.	PL180R-10W	PL240R-18W	PL300R-24W
Dimension	Φ180*14mm	Φ240*14mm	Φ300*14mm
Cut-out	Φ160mm	Φ220mm	Φ280mm
Power Consumption	10W	18W	24W
LED Q'ty	90 SMD3014	180 SMD3014	245 SMD3014
LED Initial Flux	750-900lm	1300-1600lm	1900-2300lm
Centre Illuminance	(1M): 335lx (2M): 85lx (3M): 40lx	(1M): 530lx (2M): 135lx (3M): 60lx	(1M): 610lx (2M): 154lx (3M): 71lx
Illuminated Area	(1M): Φ3.0m (2M): Φ6.0m (3M): Φ9.0m	(1M): Φ3.0m (2M): Φ6.0m (3M): Φ9.0m	(1M): Φ3.0m (2M): Φ6.0m (3M): Φ9.0m
Color Temperature	WW:2700-3200K, NW:4000-4500K, CW:5500-6500K		
Color Rendering Index	Ra≥80		
Beam Pattern	Symmetric / Round Beam		
Lamp Beam Angle	120°		
Input Voltage	AC85-265V 50-60Hz		
Drivers	External		
Power Factor	>0.95		
Power Efficiency	>85%		
Total Harmonic Distortion (Thd)	<9%		
Junction Temperature(Tj)	60 °C ± 10 %		
Working Temperature	-40°C ~ 55°C		
Storage Temperature	-25°C ~65°C		
IP Rating	IP44		
Power Line	0.75mm ² Two-core wire		
Connect Wire	L:White, N:Black		
Working Life-span	50000 Hours		
The color of the lamp shell	Silver, White		
Certificate	CE, RoHs		

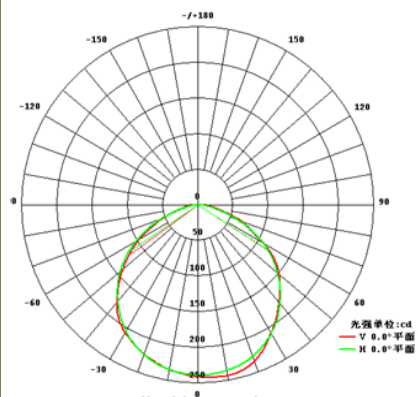
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Warranty

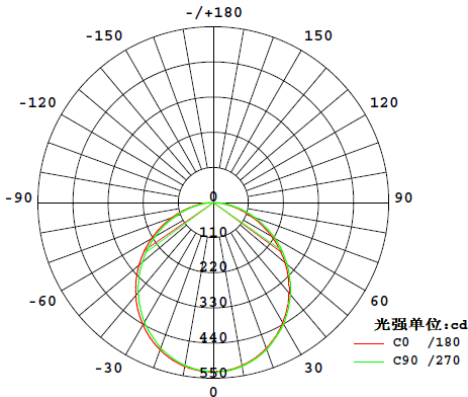
3 years

Light Distribution Curve

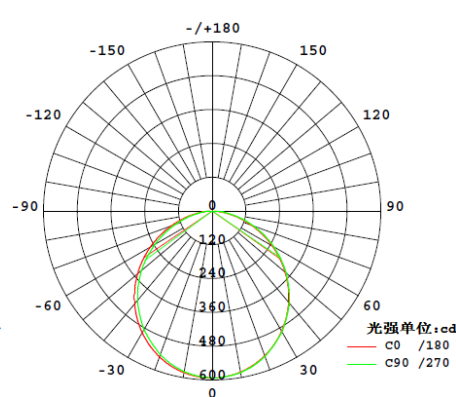
● 180R-10W



● 240R-18W



● 300R-24W



Illumination Distribution

● 180R-10W

Height	Light Area Diameter	Emax	Evag
1.0m	3.0m	335 lx	89.2 lx
1.5m	4.5m	160 lx	41.7 lx
2.0m	6.0m	85 lx	23.2 lx
2.5m	7.5m	68 lx	17.3 lx
3.0m	9.0m	40 lx	11.5 lx

Beam Angle: 120°

● 240R-18W

Height	Light Area Diameter	Emax	Evag
1.0m	3.0m	530 lx	167.3 lx
2.0m	6.0m	135 lx	43.4 lx
3.0m	9.0m	60 lx	20.0 lx
4.0m	12.0m	34 lx	11.2 lx
5.0m	15.0m	23 lx	7.0 lx

Beam Angle: 120°

● 300R-24W

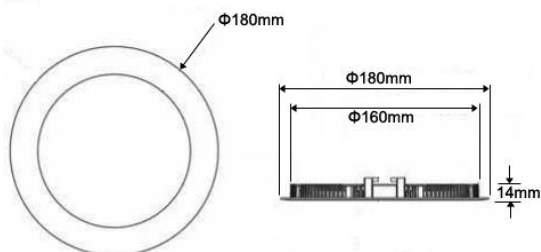
Height	Light Area Diameter	Emax	Evag
1.0m	3.0m	610 lx	185.4 lx
2.0m	6.0m	154 lx	50.4 lx
3.0m	9.0m	71 lx	23.0 lx
4.0m	12.0m	41 lx	13.2 lx
5.0m	15.0m	26 lx	8.8 lx

Beam Angle: 120°

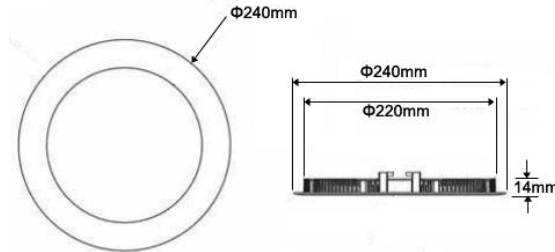
Dimension

Unit:mm

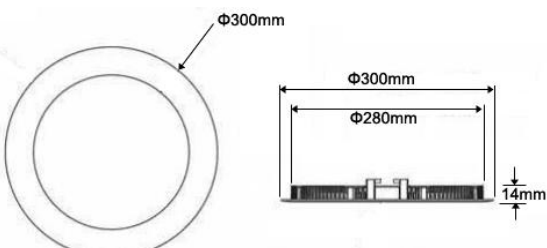
● 180R-10W



● 240R-18W



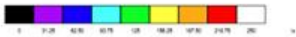
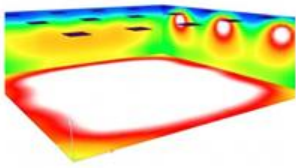
● 300R-24W



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■ Dialux Solution Available

- We focus on saving energy solution for LED light project



Ligting calculaiton



Select suitable product



Ensure Propriety

■ Packing Information

Model No.	G.W/box	Box size	Q'ty/ctn	G.W/ctn	Carton Size
PL180R-10W	0.5kg	25*19*3.5cm	10pcs	5.5kg	42*27*23cm (0.026cbm)
PL240R-18W	0.8kg	31*27*4cm	10pcs	8.5kg	54*34*23cm (0.042cbm)
PL300R-24W	1.1kg	38*35*4cm	10pcs	12kg	64*33*23cm (0.087cbm)