

# Opal PL-W Series

## LED IP65 Panel Light



# Introduction



LED panel light with IP65 waterproof design, it adopts high lumen efficiency SMD LED with even light output. Aluminum frame provides excellent thermal management. Multiple installation methods: recessed, suspended and surface mounted.

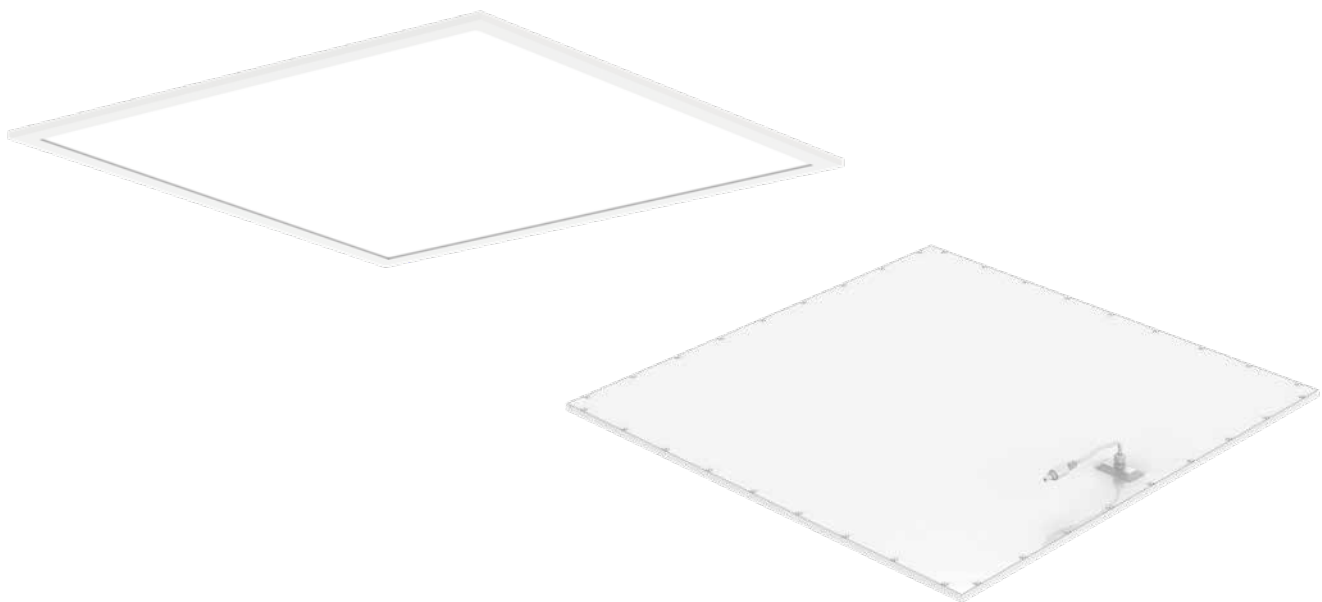


## Features

- IP65 waterproof for both indoor and outdoor applications.
- 100lm/w lumen efficiency.
- 120° wide beam angle
- External driver.

## Application Areas

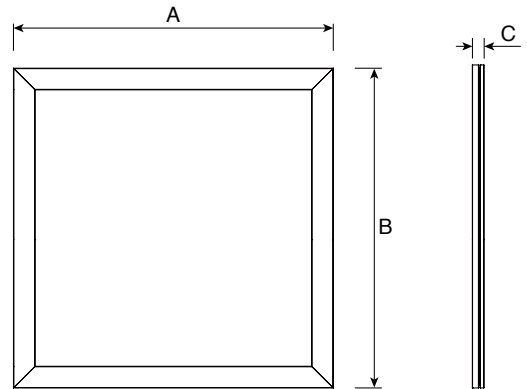
The LED panel light can be used in factory, warehouse, workshop, and other lighting area with high humidity and dusty places .



**PF 0.9****CRI ≥80****CRI ≥90****SAA**

## Measurement

Model	Dimension(mm)			Size(mm)	Product Weight (Kg)	
	A	B	C		N.W/PC	G.W/PC
3030	295	295	8	295*295*8	1.03	1.2
3060	595	295	8	595*295*8	1.67	1.9
6060	595	595	8	595*595*8	2.85	3.3
6262	620	620	8	620*620*8	3.04	3.6
1230	1195	295	8	1195*295*8	2.89	3.4



## Technical Data Sheet

Model No.	GUOPA-18W-3030-W	GUOPA-18W-3060-W	GUOPA-36W-6060-W	GUOPA-36W-6262-W	GUOPA-36W-1230-W		
Watt(W)	18W	20W	36W	36W	36W		
Dimension(mm)	295*295*8	595*295*8	595*595*8	620*620*8	1195*295*8		
Rated Input Voltage(V)	AC230V						
Input Voltage(V)	AC200-240V						
LED	SMD						
SDCM	-						
CCT(K)	1-CCT: 3000K / 4000K / 5000K / 5700K						
"Luminous Flux (lm) ±5%	1-CCT	Non-DIM	1710-1890	1900-2100	3420-3780	3420-3780	3420-3780
		DIM	-				
	3-CCT	Non-DIM	-				
		DIM	-				
CRI	≥80 (≥90 Optional)						
Beam Angle (°)	120°						
UGR	-						
LED Driver	Built-out						
DIM	-						
Protection Class	Class II						
IP Rating	IP65						
IK Rating	-						
Finishing color	White RAL 9016						
Material	PMMA/PS(LGP)+Aluminium(Frame)						
Lifetime (hr)	50,000h						
Glow wire test (°C)	650°C						
Operating Temp.(°C)	-10°C ~40°C						
Storage Temp.(°C)	-10°C ~50°C						
Installation	Surface mount/ Pendant/ Recessed						

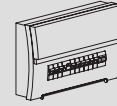
# Driver Datasheet ( Non-Dimmable)

Power	18W	20W	36W
Rated Input Voltage(V)	AC230V		
Frequency	50/60Hz		
Input Voltage	AC200-240V		
Efficiency	86%		
Total load wattage	18W±5%	20W±5%	36W±5%
Power Factor	0.9		
Rated Input Current	0.12A	0.13A	0.3A
Full load output voltage	DC33-38V		
Rated output current	400mA	500mA	950mA
Output current range	400mA±5%	500mA±5%	950mA±5%
Power tolerance	±5%		
Current output tolerance	±5%		
Short circuit protection	PASS		
Over voltage protection	PASS		
Over temperature protection	PASS		
THD	<20% @ 230VAC		
Surge	IEC/EN61000-4-5( P< 25W; L-N:500V, L/N-PE:1KV); IEC/EN61000-4-5 (P≥25w L-N:1KV, L/N-PE:2KV)		
Withstand voltage	I/P-O/P:3.75kVac, <5mA 60S; I/P-FG:1.6kVac, <5mA 60S; O/P-FG:0.5kVac, <5mA 60S		

# Installation Procedure

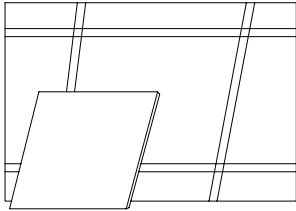
## WARNING

1. Switch off power supply before installation / maintenance.
2. Switch on after completing installation and examination of the circuit.
3. The panel light must be installed and maintained by professional electrician.

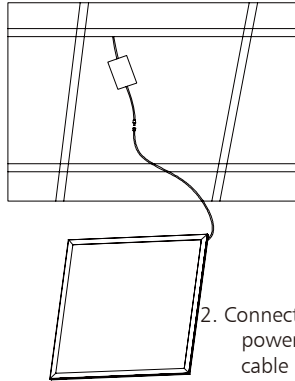


Turn off power supply before installation. Read instructions and make sure you have all the tools and accessories before installation.

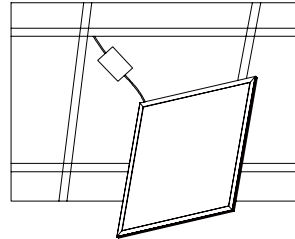
### Recessed into ceiling



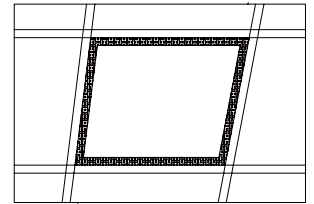
1. Remove ceiling plaster slab



2. Connect power cable

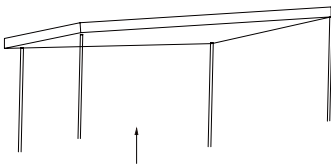


3. Fix the panel light into the right place

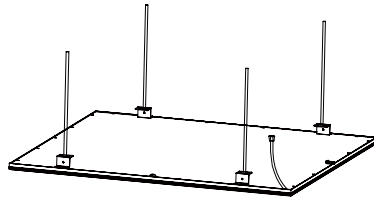


4. Stabilise the panel

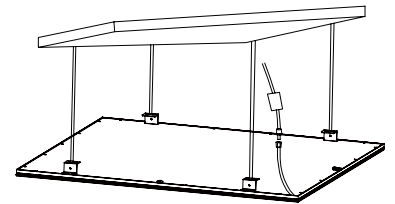
### Suspended



1. **A.** Fix the anchor into target place on the ceiling  
**B.** Fix the installation mount on the ceiling with plastic anchor

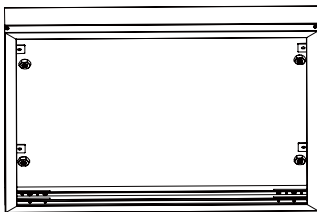


2. Hang the panel to ceiling with suspended installation kits

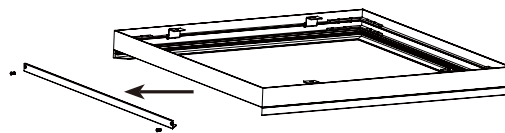


3. Adjust the length of steel wire, then connect the power cable

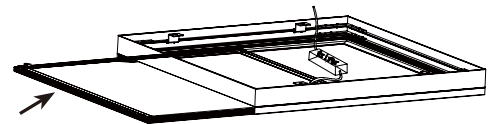
### Surface mounted



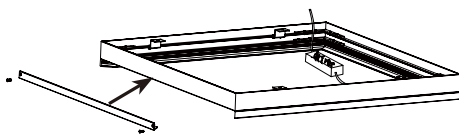
1. Fix the frame on the ceiling with screw



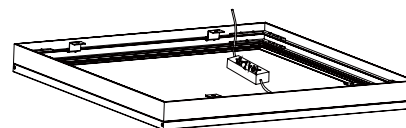
2. Pull down the side frame



3. Push the panel into the frame, then connect the driver



4. Install the side frame



5. Turn on the power switch, installation complete