# 12V/24V/48V LED Panel Light

The Cyanlite 12V/24V/48V LED panel lights are perfect solutions for vehicle interior lighting, solar lighting system, general room and other low working voltage applications.

The panel light adopts super bright LEDs, supplied with high energy efficiency. It is powered by low constant voltage driver, instant start. The aluminum frame is stylish and fashionable, and also with excellent thermal management. The LED luminaire is with even light, soft and high transmittance. UGR<19 is optional, providing comfortable, anti-glare and healthy lighting for people within the space.
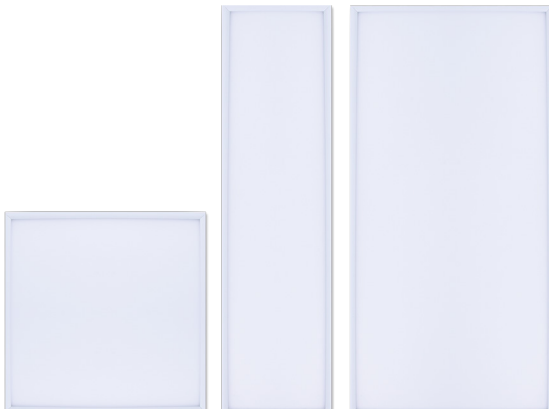
Bespoke sizes are available on request.
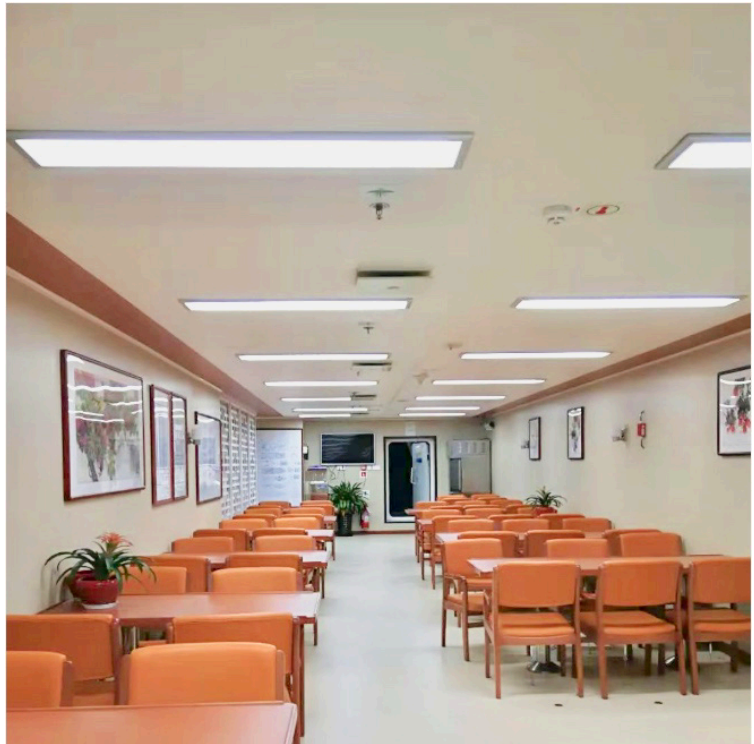
Features
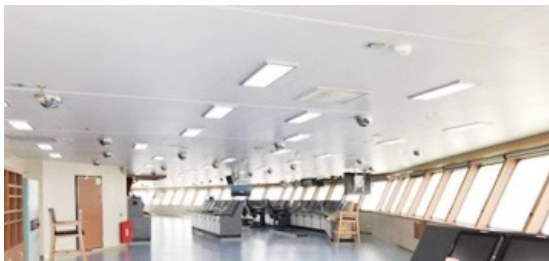
- Suitable to low voltage applications

- Lumen efficiency up to 100lm/W

- Lighting is uniform and healthy

- Stylish and fashionable design
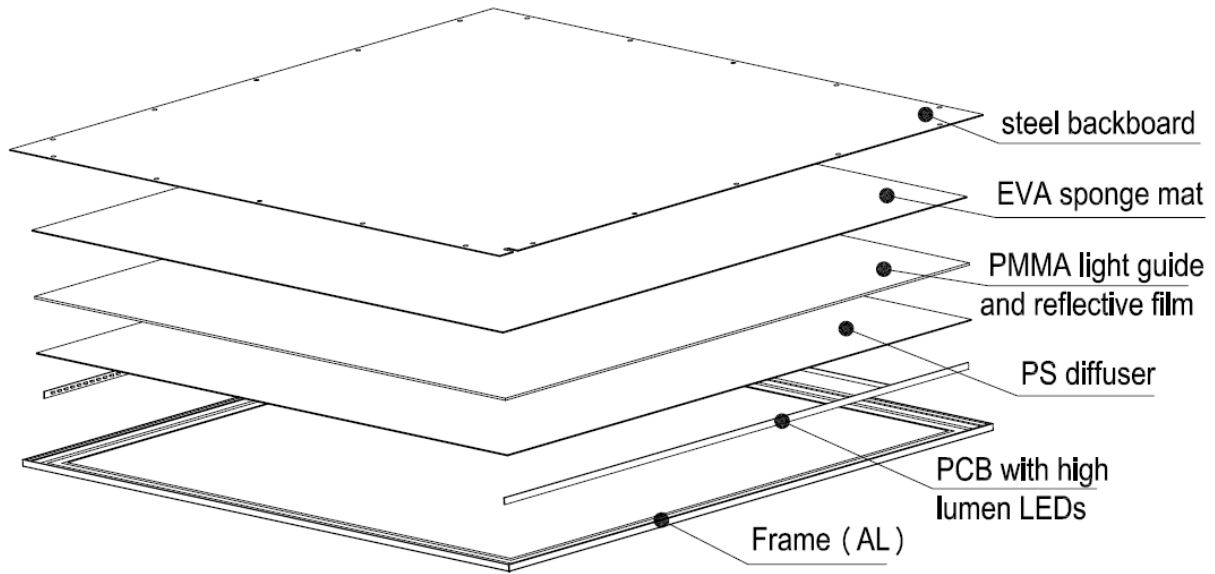
- 5 years warranty
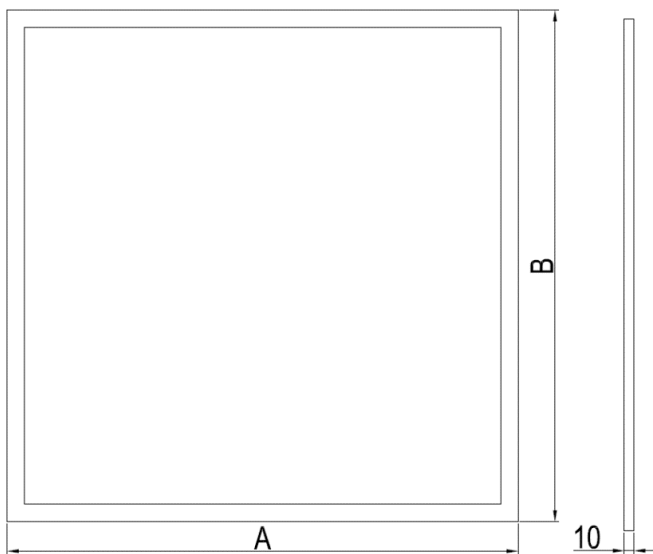
Product Family

Applications

- Cargo trailer
- Camper
- Mobile trailer shops
- Motorhome
- Cabin
- Compartment
- Solar lighting system

CE RoHS

Detailed Structure

steel backboard

EVA sponge mat

PMMA light guide and reflective film

PS diffuser

PCB with high lumen LEDs

Frame (AL)

Dimension

Light Distribution

AVERAGE BEAM ANGLE(50%):111.9 DEG
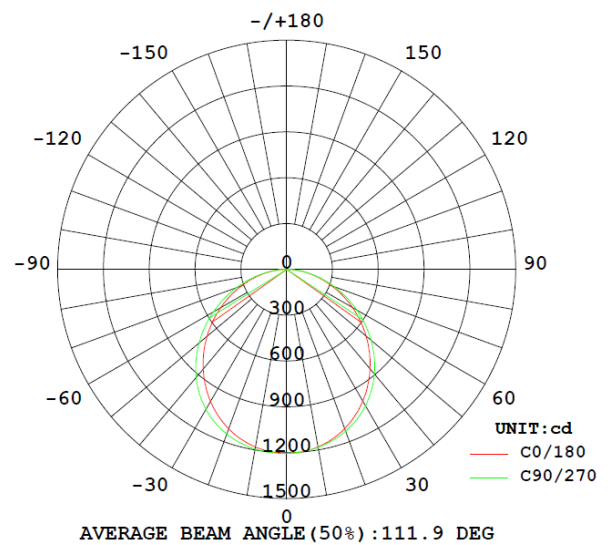
Model	Width (mm)	Length (mm)	Height (mm)
300 x 300 Panel	295	295	10
300 x 600 Panel	295	595	10
600 x 600 Panel	595	595	10
600 x 600 Panel	620	620	10
300 x 1200 Panel	292	1195	10

Technical Data

Model for Grid Type	300 x 300	300 x 600	600 x 600	625 x 625	300 x 1200
Product Dimension	295 x 295 x 10mm	295 x 595 x 10mm	595 x 595 x 10mm	620 x 620 x 10mm	295 x 1195 x 10mm
Item No.	PS12W030-xyyzz	PS20W306-xyyzz	PS40W060-xyyzz	PS40W062-xyyzz	PS40W312-xyyzz
Luminous Flux	1200lm	2000lm	4000lm	4000lm	4000lm
System Power	12W	20W	40W	40W	40W
Efficacy	100lm/W ≥ 4000K				
CRI(Ra)	>80 *x=8				
Color Temp.	3000K/3500K/4000K/5000K//6000K *yy=30/35/40/50/60				
Working Voltage	DC 12V/24V/48V *zz=12/24/48				
Lighting Method	Side-lit				
Light Source	SMD4014				
SDCM	<4				
Beam Angel	110°				
Service Life	L70 (25°C) = 50.000h				
IP Rating	IP20				
Impact Resistance	IK04				
Hot Wire Resistance	650°C				
Driver	Without driver as standard, available on request				
Dimmable	Yes, if with a dimmable driver				
Housing Color	RAL9016 White				
Housing Material	Aluminum frame, steel backboard				
LGD Material	Acrylic (PMMA)				
Diffuser Material	Polystyrene (PS)				
Storage Temp.	-40°C~+80°C				
Working Temp.	-20°C~+45°C				
Mount	Recessed; pendant and surface mounted with accessories				
Package	1pcs per gift box, 6pcs per master box				
Warranty	5 years				

According to the International Standard of LED luminaire, here Cyanlite formally claims this product is only allowed to be applied to indoor environment. Meanwhile Cyanlite promises full warranty for the products. Any severe environment application including high/low temperature, high humidity, high salinity, high-ammonia etc. is not permitted without the official confirmation from the manufacturer. If any misapplication happens, the warranty policy is no longer guaranteed. All values are typical values measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

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