

## COI Compliant LED Panel Light

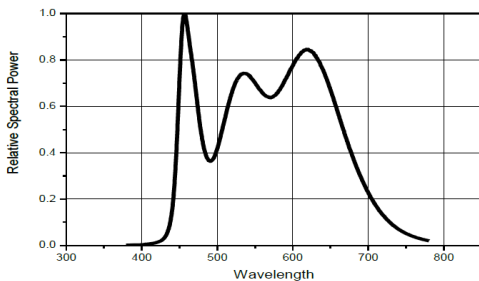
The Cyanlite COI compliant LED panel light offers uniform color temperature  $4000K \pm 300K$  and high color rendering. Typical values of Ra and R9 are tested as 96 and 98. Cyanosis Observation Index (COI) is less than 3.3, which is fully compliant to AS1680.2.5:1997 and significant for medical staff to reliably detect cyanosis through clinical observation.

The panel light is equipped with SAA approved driver and with Australian plug attached for safe and easy installation. The product family is especially designed for medical applications within hospital where requires close color rendition of skin for diagnosing cyanosis.

Bespoke sizes are available on request.



### Features



- High color rendering  $Ra > 97$ ,  $R9 > 95$
- Lumen efficiency reaches to 100LM/W at  $Ra > 97$
- Lighting is uniform and healthy
- SAA approved driver with Australian plug attached
- 5 years warranty

### Product Family



### Applications

- Operating theatre
- Patient treatment room
- Consultation room
- accident/trauma emergency area

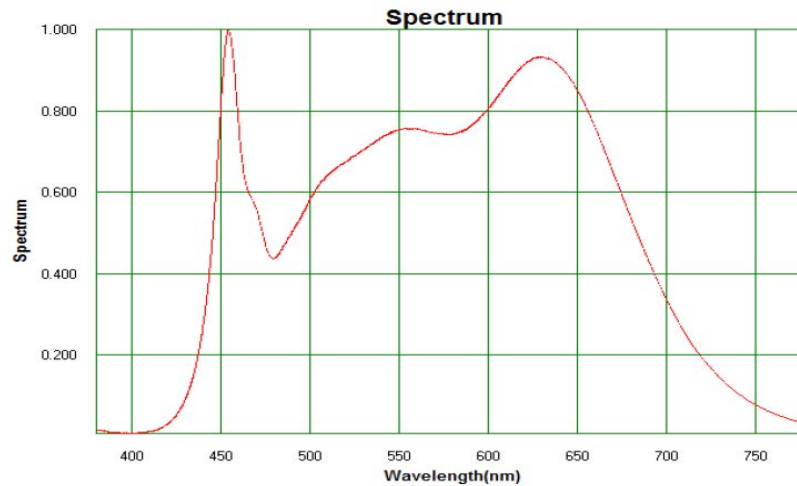


## Spectrum

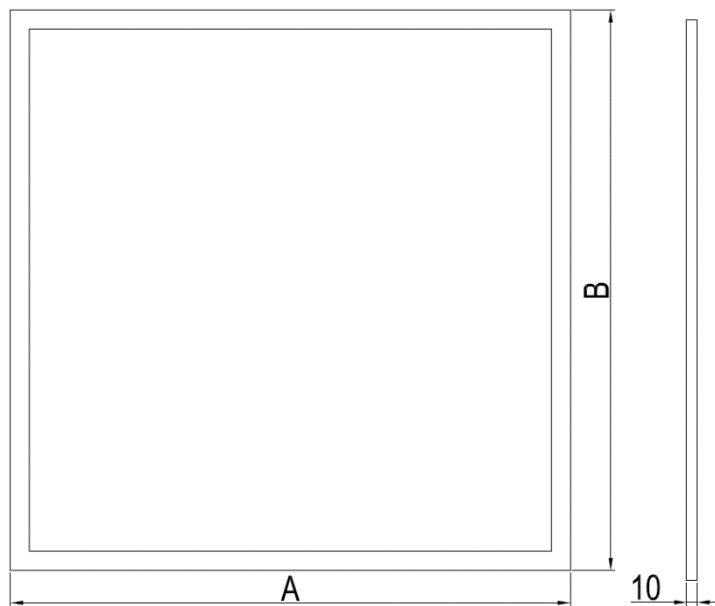
Test results:

Model	U (V)	Power (W)	CCT (K)	Ra	Chromaticity coordinates		COI
					x	y	
PB40W060-940	230,0	39,6	4010	97,5	0,3804	0,3779	0,28

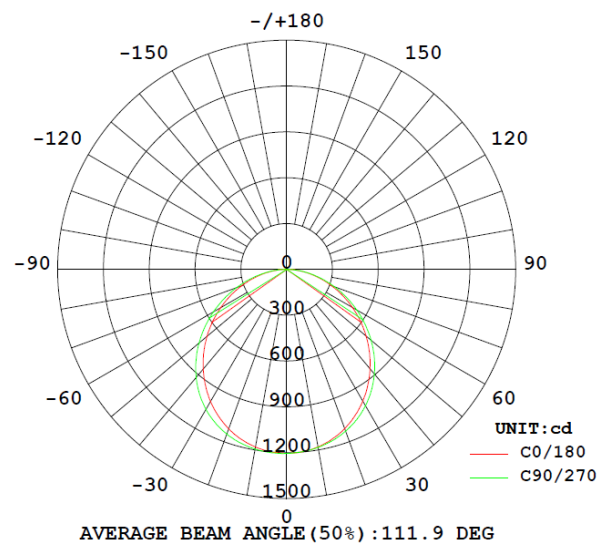
Relative spectral power distribution:



## Dimension



## Light Distribution



Model	Width (mm)	Length (mm)	Height (mm)
600 x 600 Panel	595	595	30
300 x 1200 Panel	292	1195	30
600 x 1200 Panel	595	1195	30

## Technical Data

Model for Grid Type	600 x 600	300 x 1200	600 x 1200
Product Dimension	595 x 595 x 30mm	295 x 1195 x 30mm	595 x 1195 x 30mm
Item No.	PS40W060-940	PS40W312-940	PS60W612-940
Luminous Flux	4000lm	4000lm	6000lm
System Power	40W	40W	60W
Efficacy	100lm/W $\geq$ 4000K		
CRI	Ra>97, R9>95		
Color Temp.	4000K $\pm$ 300K		
Lighting Method	Backlite		
Light Source	SMD2835		
SDCM	<3		
Beam Angel	110°/90°		
Service Life	L80 (25°C) = 50.000h		
IP Rating	IP20		
Impact Resistance	IK04		
Hot Wire Resistance	650°C		
Driver	On/off driver as standard		
Dimmable	1-10V dimming and DALI dimming optional		
Nominal Frequency	50/60Hz		
Power Factor	>0.9		
Input Voltage	200~240V		
Flick Free	Yes		
Housing Color	RAL9016 White		
Housing Material	Aluminum frame, steel backboard		
Lens Material	Acrylic (PMMA)		
Diffuser Material	Polystyrene (PS)		
Storage Temp.	-40°C~+80°C		
Working Temp.	-20°C~+45°C		
Mount	Recessed in ceiling grid, surface mounted and pendant with accessories optional		
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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