



Medical Lighting - The COI Panel Specs sheet



Description

Cyanosis Observation Index (COI) was established and published in AS 1680.2.5:1997 and updated in 2018.

In Australia and the New Zealand, COI<3.3 is one of the very important criteria set to determine whether or not a lighting product that is good for notifying Cyanosis.

LED Lighting's Medical Care Panel is with only 2.3 COI and can meet all other requirements of the AS/NZS 1680.2.5:2018. It is good for observing the Cyanosis help a lot of patients of this kind in both generally lighting and medical lighting function in the hospital lighting applications as in operating theatres, patient treatment rooms, consultation rooms, accident emergency areas and other areas that require close colour rendition of skin.



Features

- * Edge-lit Panel with high efficacy
- * Warranty: 5 years
- * Input Voltage: 200-240Vac | PF>0.5 | THD<20%
- * 100lm/W
- * 4000K
- * 90 Ra
- * COI=2.3

Application

- Office
- Operating theatres
- Patient Treatment Rooms
- Consultation Rooms
- Accident Emergency Areas
- Corridors in the Hospitality Areas

Model List

Model	Size (cm)	Power (w)	LPW (lm/w)	Brightness(lm)		LED Q'ty	Package CTN			Q'ty	
				Lumen	CCT		Ctn Size(mm)	G.W kg	N.W kg	CTN	Pallet
LED-3030-COI-NW	3030	18	100	1800	4000K	96	680x370x220	15.06	12.75	15	54
LED-3060-COI-NW	3060	24	100	2400	4000K	108	680x660x185	18.75	16	10	36
LED-6060-COI-NW	6060	36	100	3600	4000K	224	680x630x160	12	9.4	4	42
LED-30120-COI-NW	30120	36	100	3600	4000K	224	1310x350x190	16.95	14	5	30
LED-60120-COI-NW	60120	60	100	6000	4000K	224	1310x650x160	23.1	18.8	4	18

Specification

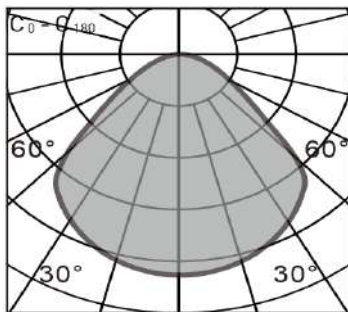
Optical Parameters

CCT	4000K
CRI	90
SDCM	6
COI (Typ.)	2.3
UGR	22
Beam angle	120°
Lamp Color RAL	White (RAL 9010)
Material	LGP: MS
	Frame: aluminum
	Back cover housing: zinc-coated iron

Electrical Parameters

Dimming	No
Mains voltage	200-240Vac 50/60Hz
PF	0.95
PE	0.88
Over load/short Circuit	Protection
Driver Connection	Push-in connector (PI) with DC V2 connector
Hi-pot Test Range	SELV Isolated Driver, 3750Vdc/5mA/60S

Polar Curves Wide Distribution



Lambertian



Life

Warranty	5 years
L70B50	30,000 hours
L80B50	20,000 hours
L90B50	10,000 hours
Driver failure rate	0.4% per 5000 hours

Maintenance: Optical module sealed for life; no internal cleaning required

Installation Information

Average ambient temperature	Average ambient : +25 °c Operating temperature range: +10 to +40 °C
Ceiling type	Exposed T-bar ceiling
Light source	Non-replaceable LED module
IP	Total lamp IP40
IK	IK06
Remarks	



Recessed Grid Ceiling | Manual: [92201](#)

Default



Wire Suspended | Manual: [92203](#)
PJB.DJ001-2 (size 6060 6262 30120)
PJB.DJ001-3 (size 60120)

Accessory



Surface Mounted Frame | Manual: [92204](#)
PJB.XDK2.O.6060(size 6060)
PJB.XDK2.O.30120 (size 30120)
PJB.XDK2.O.6262(size 6262)

Accessory



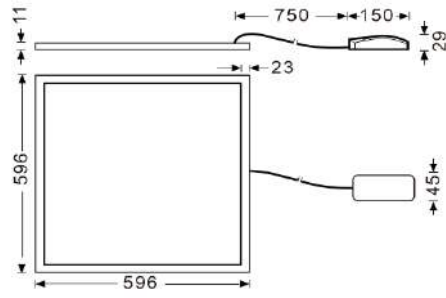
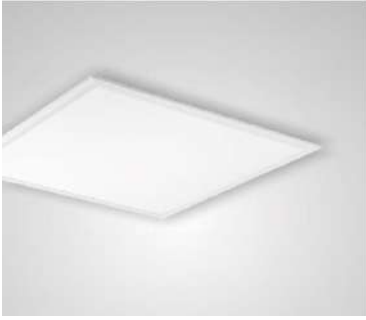
Recessed Plasterboard Grids Clips | [932345](#)
PJB.THK4 (size 6060 6262)
PJB.THK6 (size 30120 60120)
Flange frame need to emphasize (QRPL frame)

Accessory

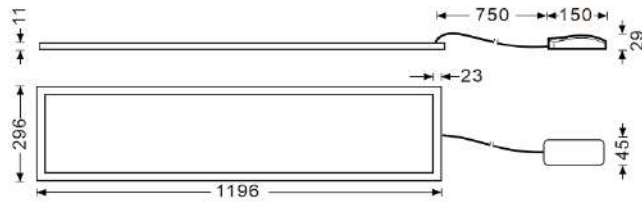
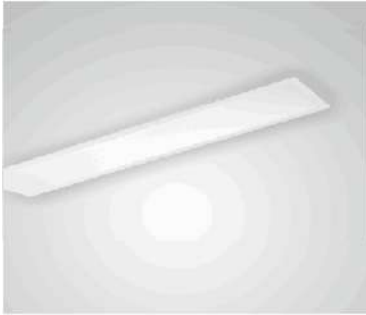
Item No	Product Code	Description
03050	LED-3030-COI-NW	294x294x11mm Cyanosis Observation Index Unique T-Bar & Plaster Mountable Ceiling Panel
03051	LED-3060-COI-NW	294x594x11mm Cyanosis Observation Index Unique T-Bar & Plaster Mountable Ceiling Panel
03052	LED-6060-COI-NW	594x594x11mm Cyanosis Observation Index Unique T-Bar & Plaster Mountable Ceiling Panel
03053	LED-30120-COI-NW	294x1194x11mm Cyanosis Observation Index Unique T-Bar & Plaster Mountable Ceiling Panel
03054	LED-60120-COI-NW	594x1194x11mm Cyanosis Observation Index Unique T-Bar & Plaster Mountable Ceiling Panel

Photo | Dimension

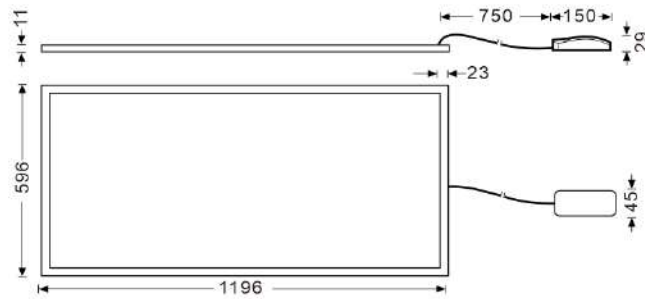
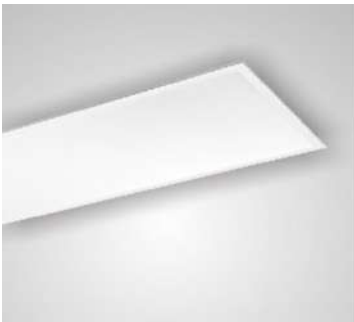
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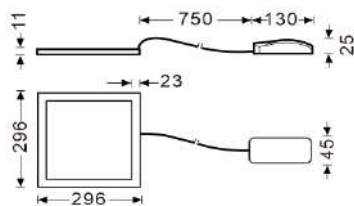
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LED-6060-COI-NW



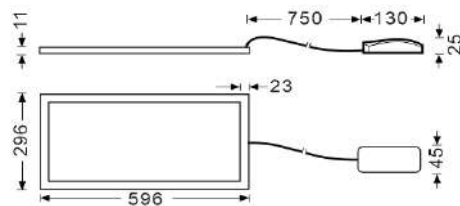
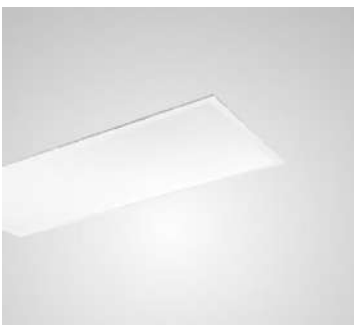
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LED-30120-COI-NW



Size: 60120
LED-60120-COI-NW



Size: 3030
LED-3030-COI-NW



Size: 3060
LED-3060-COI-NW