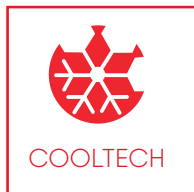


# POLAR COI

## MEDICAL PANEL LIGHT

REPLACING TWIN TUBES  
FLUORESCENT FITTINGS



EXTERNAL **littil OPIO**<sup>®</sup>  
C SERIES DRIVER

### APPLICATIONS

POLAR COI is perfect for medical lighting applications in operating theatres, clinical procedure rooms, dentists and patient treating rooms that require close colour rendition of skin.

### FEATURES & BENEFITS

- Ultra Low COI < 0.8 to achieve compliance with AS/NZS 1680.2.5 for Hospital applications
- Ultra high CRI > 97.8 to provide excellent colour reproduction
- High luminous efficacy of 105lm/W for additional energy savings
- High quality PMMA diffuser ensures ultimate light distribution and resists discolouration due to heat or UV
- UGR<19 and non-flickering feature to provide the most comfortable lighting environment

6x6

12x3

**GENERAL**

|                       |  |                     |
|-----------------------|--|---------------------|
| Model Number          | POLAR-COI-6x6- 28W                                 | POLAR-COI-12x3- 28W |
| Dimensions (mm)       | 595x595x10   | 1195x295x10         |
| Weight                | 4 KG   |                     |
| Sail Area             | N/A  |                     |
| Category              | Panel Lights                                       |                     |
| Lifetime(L70)         | Reported: >54,000hrs & Calculated: Up to 73,000hrs |                     |
| IP & IK Rating        | IP40/IK02  |                     |
| Warranty              | 5 years  |                     |
| Cable & Plug          | 1.2m AC Cable & plug                               |                     |
| Storage Temperature   | -20°C ~ 70°C                                       |                     |
| Operating Temperature | -20°C ~ 50°C                                       |                     |

**OPTICAL**

|                        |         |  |
|------------------------|---------|--|
| Beam Angle             | 90°     |  |
| Light Output at 4000°K | 3000lm  |  |
| LED Colour Temperature | 4000K   |  |
| LED Type               | SMD4014 |  |
| Luminous Efficacy      | 105lm/W |  |
| Colour Rendering Index | >97     |  |

**ELECTRICAL**

|                     |                      |  |
|---------------------|----------------------|--|
| Driver Model Number | L-OPIO30W800mA-ND    |  |
| Input Voltage       | 220-240 VAC, 50/60Hz |  |
| Power Factor        | >0.9                 |  |
| Inrush Current      | <60A / 350uS@230Vac  |  |
| Output Voltage      | 32.6Vdc              |  |
| Output Current      | 800mA                |  |
| Dimming             | Non-Dimmable         |  |
| Sensor Capability   | No                   |  |

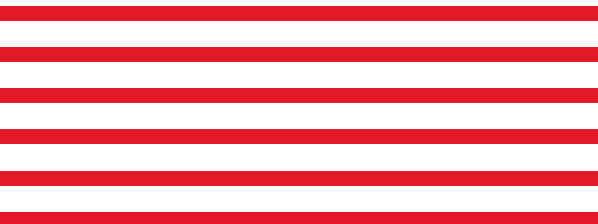
**COMPLIANCE**

AS/NZS 60598.1  
AS/NZS 60598.2.1 ISO 9001

**ORDERING**

|                      |               |
|----------------------|---------------|
| Panel COI 6x6 4K ND  | 9343907004220 |
| Panel COI 12x3 4K ND | 9343907004221 |

**PANELS**

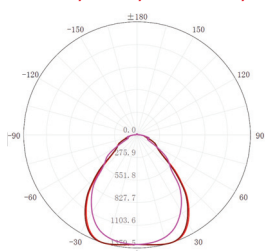


# POLAR COI

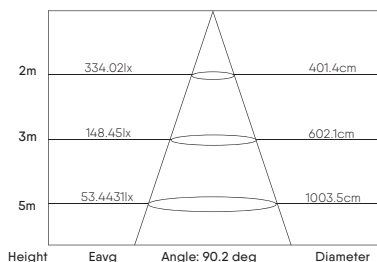
## MEDICAL PANEL LIGHT

LUMINOUS INTENSITY DISTRIBUTION FOR PANELS

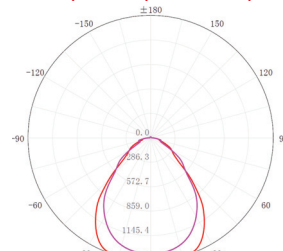
**28W/6x6/105LM/W**



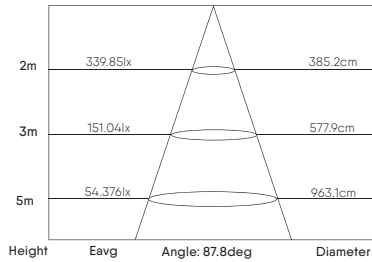
Total Flux: 1680lm



**28W/12x3/105LM/W**

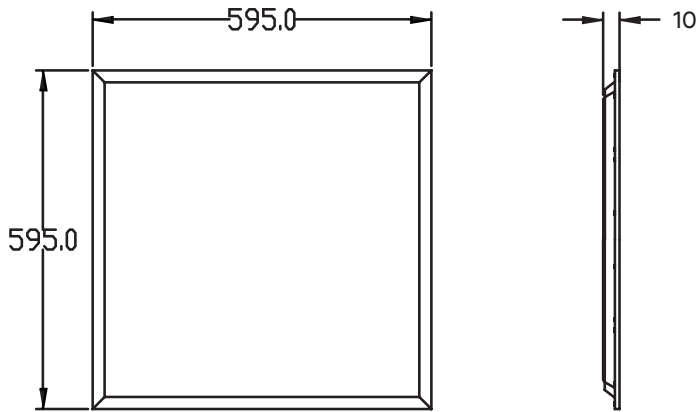


Total Flux: 2951lm



# DIMENSIONAL DRAWINGS

## POLAR COI 6x6



## POLAR COI 12x3

