Edge
LED Panels
Quality Light

Quality comes from every minor detail, especially for LEDs.

To ensure the color consistency and uniformity of the light, a strong Binning Code system is built to record the color and performance of each order. Except for LM80, a series of tests will be done to ensure the performance and reliability of LEDs.

Efficient Phosphors
Efficient phosphors will let SDCM<6, increase lumen, 105°C temperature resistance which ensure long life.

Low Voltage LED Chip
2.9V low voltage led, guarantee the long life and high lumen efficacy.

Copper Heat Sink
45°C per watt heat resistance, best cooler for led chip. Just 8°C higher than solder point.

Sliver Reflector
Higher reflecting rate, brighter than other competitors.
Plug-in™
For Light and Firm Frame

There's never easy to balance between simplicity and durability.

To maximize the performance and minimize the cost, we design a Plug-in™ structure to increase firmness of the panel frame to 3 times stronger than regular frame and meanwhile in a light weight.

This easily solves the hazard of bending, twisting of the frame during transportation.

Anti-Breaking Frame
With Plug-in™ technology, enforce the flexibility and durability of the border junction.
World-Class Material
100,000 hr Life

Power supply is not just power up the lamp. Long life, high efficiency, absolute security, and international certification compliance, makes the lamp maintenance free.

We have the most powerful driver component supply chain, we also optimized the heat control. EMC, anti-drop design. In order to achieve optimal life. We obtained TUV-MARK, UL, CE, CB, SAA, ENEC certifications.

- 1000V Surge Voltage Resist
- Common mode inductor and Piezoresistor
- 4000V Isolated Solution
- Isolation transformer
- EMC-EMI Passed
- Safety capacitor and high frequency inductance for filtering
- TOSHIBA MOS
- Let SMPS driver work more effective
- SAMXON®
- Aluminum Electrolytic Capacitor
- 50,000 Work Hours Assurance
- Electrolytic capacitor from SAMXON
- 8,000hrs work at 70°C
UGR<19  GLARE COMPARISON
Improving workplace environments
NORMAL LED PANEL

Viewing Angle 60°

Enjoy the work, improve work efficiency
Edge LED Panel
**Product Code**

<table>
<thead>
<tr>
<th>Item No</th>
<th>Product Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>02980</td>
<td>LED-3030-M-19W-WW</td>
<td>Triac dimmable 19W 294x294x11mm Unique T-Bar &amp; Plaster Mountable Ceiling Panel</td>
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<tr>
<td>02981</td>
<td>LED-3030-M-19W-NW</td>
<td>Triac dimmable 19W 294x294x11mm Unique T-Bar &amp; Plaster Mountable Ceiling Panel</td>
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<tr>
<td>02982</td>
<td>LED-3030-M-19W-CW</td>
<td>Triac dimmable 19W 294x294x11mm Unique T-Bar &amp; Plaster Mountable Ceiling Panel</td>
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</table>

**Model:** LED-3030-M-19W

- **CW:** 1522Lm (02982) LED-3030-M-19W-CW
- **NW:** 1431Lm (02981) LED-3030-M-19W-NW
- **WW:** 1355Lm (02980) LED-3030-M-19W-WW

**Default Power:** 19W
**Power Range:** 10-20W

**Warranty:** 5 yrs
**Life:** 70,000hrs
**LM80@6Khrs >96.8%**

**Input Voltage:** 180~240Vac/100-240Vac
**PF:** >0.9
**Driver Output:** 36V/450MA
**THD:** <0.2
**Dim Solution:** Triac Dimming standard
**Optional Dali / 0-10V**
### Edge LED Panel
300mm x 600mm

- **Model:** LED-3060-M-19W
- **Model:**
  - CW: 1553Lm (03032) LED-3060-M-19W-CW
  - NW: 1506Lm (03031) LED-3060-M-19W-NW
  - WW: 1398Lm (03030) LED-3060-M-19W-WW
- **Default Power:** 19W
- **Power Range:** 10-20W
- **Warranty:** 5 yrs
- **Life:** 70,000hrs
- **LM80@6Khrs:** >96.8%
- **Input Voltage:** 180~240Vac/100-240Vac
- **PF:** >0.9
- **Driver Output:** 36V/450MA
- **THD:** <0.2
- **Dim Solution:** Triac Dimming standard
  - Optional Dali / 0-10V

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<td>03031</td>
<td>LED-3060-M-19W-NW</td>
<td>Triac dimmable 19W 294x594x11mm Unique T-Bar &amp; Plaster Mountable Ceiling Panel</td>
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<td>03032</td>
<td>LED-3060-M-19W-CW</td>
<td>Triac dimmable 19W 294x594x11mm Unique T-Bar &amp; Plaster Mountable Ceiling Panel</td>
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</table>
**Edge LED Panel**
600mm x 600mm

Model: LED-6060-M-26W
CW: 3015Lm (02988) LED-6060-M-26W-CW
NW: 3120Lm (02987) LED-6060-M-26W-NW
WW: 2830Lm (02986) LED-6060-M-26W-WW

Default Power: 26W
Power Range: 20-30W

Warranty: 5 yrs
Life: 80,000hrs
LM80@6Khrs >98.8%

Input Voltage: 100-240Vac
PF: >0.9
Driver Output: 36V/700MA
THD: <0.2
Dim Solution: Triac Dimming standard
Optional Dali / 0-10V

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<tr>
<th>Item No</th>
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<tr>
<td>02986</td>
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<td>Triac dimmable 26W 594x594x11mm Unique T-Bar &amp; Plaster Mountable Ceiling Panel</td>
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<td>LED-6060-M-26W-NW</td>
<td>Triac dimmable 26W 594x594x11mm Unique T-Bar &amp; Plaster Mountable Ceiling Panel</td>
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<tr>
<td>02988</td>
<td>LED-6060-M-26W-CW</td>
<td>Triac dimmable 26W 594x594x11mm Unique T-Bar &amp; Plaster Mountable Ceiling Panel</td>
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</table>
**Model:** LED-30120-M-26W
CW: 3640Lm (02994) LED-30120-M-26W-CW
NW: 3531Lm (02993) LED-30120-M-26W-NW
WW: 3276Lm (02992) LED-30120-M-26W-WW

**Default Power:** 26W  
**Power Range:** 20-30W

**Warranty:** 5 yrs  
**Life:** 70,000hrs  
**LM80@6Khrs >96.8%**

**Input Voltage:** 180~240Vac/100-240Vac  
**PF:** >0.9  
**Driver Output:** 36V/450MA  
**THD:** <0.2  
**Dim Solution:** Triac Dimming standard  
Optional Dali / 0-10V

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<th>Item No</th>
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<td>LED-30120-M-26W-WW</td>
<td>Triac dimmable 26W 294x1194x11mm Unique T-Bar &amp; Plaster Mountable Ceiling Panel</td>
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<td>02993</td>
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<td>LED-30120-M-26W-CW</td>
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</table>
Model: LED-60120-M-38W
CW: 4340Lm (02994) LED-60120-M-38W-CW  
NW: 4260Lm (02993) LED-60120-M-38W-NW  
WW: 4000Lm (02992) LED-60120-M-38W-WW

Default Power: 38W  
Power Range: 30-40W

Warranty: 5 yrs  
Life: 70,000hrs  
LM80@6Khrs >96.8%

Input Voltage: 180~240Vac/100-240Vac  
PF: >0.9  
Driver Output: 36V/1000MA  
THD: <0.2  
Dim Solution: Triac Dimming standard  
Optional Dali / 0-10V

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<td>03036</td>
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<td>03037</td>
<td>LED-60120-M-38W-NW</td>
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<td>03038</td>
<td>LED-60120-M-38W-CW</td>
<td>Triac dimmable 38W 594x1194x11mm Unique T-Bar &amp; Plaster Mountable Ceiling Panel</td>
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**Medical Lighting**
- The COI Panel Specsheet

**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**

<table>
<thead>
<tr>
<th>Model</th>
<th>Size (cm)</th>
<th>Power (w)</th>
<th>LPW (lm/w)</th>
<th>Brightness(lm)</th>
<th>LED Q’ty</th>
<th>Package CTN</th>
<th>G.W kg</th>
<th>N.W kg</th>
<th>CTN</th>
<th>Pallet</th>
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<td>18</td>
<td>100</td>
<td>1800</td>
<td>4000K</td>
<td>6780x370x220</td>
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<td>LED-3060-COI-NW</td>
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<td>24</td>
<td>100</td>
<td>2400</td>
<td>4000K</td>
<td>680x660x185</td>
<td>18.75</td>
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<td>10</td>
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<td>LED-6060-COI-NW</td>
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<td>100</td>
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<td>4000K</td>
<td>680x630x160</td>
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<td>36</td>
<td>100</td>
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<td>4000K</td>
<td>1310x350x190</td>
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<td>60</td>
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<td>1310x650x160</td>
<td>23.1</td>
<td>18.8</td>
<td>4</td>
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**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 Cureves Wide Distribution**

### 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**: +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**:
  - SELV Isolated Driver, 3750Vdc/5mA/60S

### Accessory
- **Recessed Grid Ceiling** | Manual: 92201
- **Surface Mounted Frame** | Manual: 92204
- **Recessed Plasterboard Grids Clips** | 92225
- **Flange frame need to emphasize (QRPL frame)**

### Item No | Product Code | Description
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<td>LED-60120-COI-NW</td>
<td>594x1194x11mm Cyanosis Observation Index Unique T-Bar &amp; Plaster Mountable Ceiling Panel</td>
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Product Details

Special Recessed Frame Design

Surface mounted frames

Antiplug DC wire design

Grid ceiling installation

Panels

Surface mounted frames
Edge INSTALLATION
RECESSED IN FALSE-CEILING FRAME

1. [Diagram showing the panel being inserted into the ceiling frame]
2. [Diagram showing the panel being pulled up]
3. [Diagram showing the panel being inserted into the ceiling frame]
4. [Diagram showing the panel being pulled up]
5. [Diagram showing the panel being inserted into the ceiling frame]
6. [Diagram showing the panel being pulled up]
7. [Diagram showing the panel being inserted into the ceiling frame]

LED DRIVER
FRAME MOUNTED

<table>
<thead>
<tr>
<th>Frames</th>
<th>3030</th>
<th>3060</th>
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<th>30120</th>
<th>60120</th>
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<tbody>
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<tr>
<td>Frame B</td>
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</table>

<table>
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<th>3060</th>
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<th>30120</th>
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1. Frame A
2. Ceiling
3. Frame B
4. AC 100–240 V

Frame
**CEILING & WALL MOUNTED**

<table>
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<tr>
<th>Accessories</th>
<th>3030</th>
<th>3060</th>
<th>6060</th>
<th>30120</th>
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</tbody>
</table>

1. [Diagram 1]
2. [Diagram 2]
3. [Diagram 3]
   - bracket B position
   - 3330: A 222mm
   - 3060: A 520mm
   - 30120: A 425+B 425mm
   - 60120: A 425+B 925mm

4. **Ceiling Mounted**
   - AC 100-240V
   - Bracket B

5. **Wall Mounted**
   - AC 100-240V
   - Bracket B
RECESSED IN A CUT-OUT HOLE

Cut-Out Size:
- 3030: 265mm x 265mm
- 3060: 265mm x 565mm
- 6060: 565mm x 565mm
- 30120: 265mm x 1165mm
- 60120: 565mm x 1165mm
Optic Fibre & LED Lighting Solutions

A brand you can trust with over 14 years of experience in the field of LED Lighting.

Web: www.ledlighting.com.au
Enquiry: sales@ledlighting.com.au