

# LED PANEL LIGHT

## PL-CC

**luzon**  
lighting™

# Introduction



PL-CC panel light adopts high lumen LED chips with  $CRI > 80$ , PMMA LGP produces uniform and comfortable light. Stronger frame makes better heat dissipation than common panels. The lighting area fits seamlessly with the ceiling. Recessed installation with clips make it suitable for more kinds of ceiling.

## Features

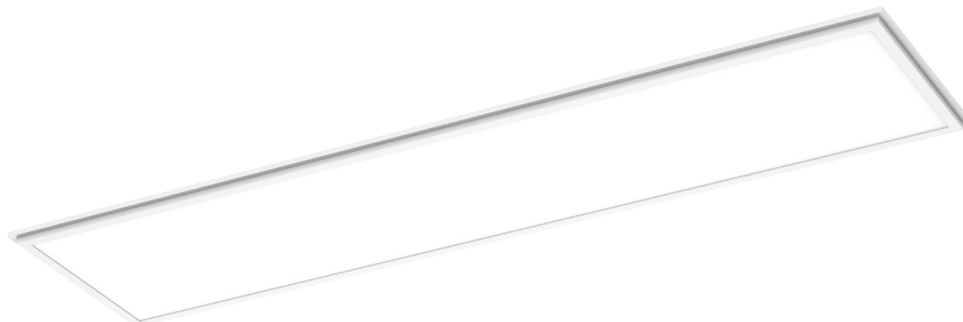
1. Lifud flicker free driver.
2. PMMA LGP produces uniform and comfortable light.
3. Frame with 14.3mm thickness.
4. Large heat dissipation area.
5. Recessed installation.

## Application Areas

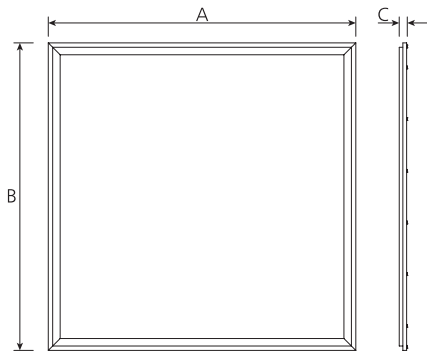
Office & school lighting: office room, meeting room, class room etc. Commercial lighting: shopping mall, super market, retailer shops etc. Other situations: hospital, laboratory, dust-free workshop etc.



6060



30120



## Measurement

| Model | Dimension(mm) |     |      | Size(mm)      | Product Weight (Kg) |        | Package weight (Kg) |         | Carton Size(cm) | Qty/CTN | 20GP (pcs) | 40HQ (pcs) |
|-------|---------------|-----|------|---------------|---------------------|--------|---------------------|---------|-----------------|---------|------------|------------|
|       | A             | B   | C    |               | N.W/PC              | G.W/PC | N.W/CTN             | G.W/CTN |                 |         |            |            |
| 6060  | 595           | 595 | 14.3 | 595*595*14.3  | 2.5                 | 12.5   | 3.15                | 15.75   | 66*23.5*71      | 5       | 1260       | 2550       |
| 30120 | 1195          | 295 | 14.3 | 1195*295*14.3 | 2.65                | 13.25  | 3.4                 | 17      | 130*23.5*36.5   | 5       | 1200       | 2835       |

## Technical Data Sheet

| Model No.               | PL6060-33W-CC                        |         | PL6060-42W-CC |           | PL30120-33W-CC |           | PL30120-42W-CC |  |
|-------------------------|--------------------------------------|---------|---------------|-----------|----------------|-----------|----------------|--|
| Watt(W)                 | 33W                                  |         | 42W           |           | 33W            |           | 42W            |  |
| Dimension(mm)           | 595*595*14.3                         |         |               |           | 1195*295*14.3  |           |                |  |
| Cutout (mm)             | 585*585                              |         |               |           | 285*1185       |           |                |  |
| Rated Input Voltage(V)  | AC230V                               |         |               |           |                |           |                |  |
| Input Voltage(V)        | AC220-240V                           |         |               |           |                |           |                |  |
| LED                     | SMD                                  |         |               |           |                |           |                |  |
| SDCM                    | ≤6                                   |         |               |           |                |           |                |  |
| CCT(K)                  | 1-CCT: 3000K / 4000K / 5000K / 5700K |         |               |           |                |           |                |  |
| "Luminous Flux (lm) ±5% | 1-CCT                                | Non-DIM | 3150~3530     | 3880~4370 | 3010~3400      | 3700~4210 |                |  |
|                         |                                      | DIM     | 3010~3390     | 3735~4210 | 2905~3275      | 3585~4070 |                |  |
| CRI                     | ≥80                                  |         |               |           |                |           |                |  |
| Beam Angle (°)          | 120°                                 |         |               |           |                |           |                |  |
| UGR                     | —                                    |         |               |           |                |           |                |  |
| LED Driver              | Built-out                            |         |               |           |                |           |                |  |
| DIM                     | Triac                                |         |               |           |                |           |                |  |
| Protection Class        | Class II                             |         |               |           |                |           |                |  |
| IP Rating               | IP40                                 |         |               |           |                |           |                |  |
| IK Rating               | IK06                                 |         |               |           |                |           |                |  |
| Finishing color         | White RAL 9016                       |         |               |           |                |           |                |  |
| Material                | PP / Aluminum                        |         |               |           |                |           |                |  |
| Lifetime (hr)           | 40,000h                              |         |               |           |                |           |                |  |
| Glow wire test (°C)     | 650°C                                |         |               |           |                |           |                |  |
| Operating Temp.(°C)     | -20°C ~45°C                          |         |               |           |                |           |                |  |
| Storage Temp.(°C)       | -20°C ~65°C                          |         |               |           |                |           |                |  |
| Installation            | Recessed                             |         |               |           |                |           |                |  |
| Brand Driver option     | Philips, Tridonic, Meanwell          |         |               |           |                |           |                |  |

## Driver Datasheet ( Non-Dimmable)

| Power                       | 33W           | 42W       |
|-----------------------------|---------------|-----------|
| Rated Input Voltage(V)      | AC230V        |           |
| Frequency                   | 50/60Hz       |           |
| Input Voltage               | AC220-240V    |           |
| Efficiency                  | 86%           | 86%       |
| Total load wattage          | 33W±5%        | 42W±5%    |
| Power Factor                | 0.9           |           |
| Rated Input Current         | 0.19A         | 0.21A     |
| Full load output voltage    | DC28-40V      | DC28-40V  |
| Rated output current        | 850mA         | 1050mA    |
| Output current range        | 850mA±5%      | 1050mA±5% |
| Power tolerance             | ±5%           |           |
| Current output tolerance    | ±5%           |           |
| Short circuit protection    | PASS          |           |
| Over voltage protection     | PASS          |           |
| Over temperature protection | PASS          |           |
| THD                         | <20% @ 230VAC |           |
| Surge                       | L-N 1KV       |           |
| Withstand voltage           | AC3750V       |           |

## Driver Datasheet ( Triac Dimmable)

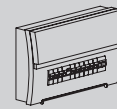
| Power                       | 33W           | 42W       |
|-----------------------------|---------------|-----------|
| Rated Input Voltage(V)      | AC230V        |           |
| Frequency                   | 50Hz          |           |
| Input Voltage               | AC200-240V    |           |
| Efficiency                  | 85%           | 85%       |
| Total load wattage          | 33W±5%        | 42W±5%    |
| Power Factor                | 0.9           |           |
| Rated Input Current         | 0.19A         | 0.24A     |
| Full load output voltage    | DC23-40V      | DC23-40V  |
| Rated output current        | 800mA         | 1050mA    |
| Output current range        | 800mA±5%      | 1050mA±5% |
| Power tolerance             | ±5%           |           |
| Current output tolerance    | ±5%           |           |
| Dimming Range               | 8%~100%       |           |
| Short circuit protection    | PASS          |           |
| Over voltage protection     | PASS          |           |
| Over temperature protection | PASS          |           |
| THD                         | <20% @ 230VAC |           |
| Surge                       | L-N 1KV       |           |
| Withstand voltage           | AC3750V       |           |

Note: DALI & 0-10V driver specification, please refer to individual driver datasheet.

# Installation Procedure

## WARNING

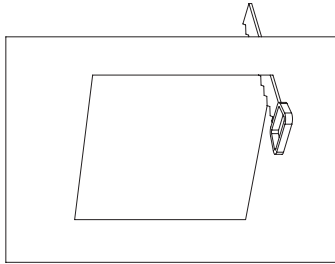
1. Switch off before installation.
2. Switch on only after complete installation and examination of the circuit.
3. Professional electrician for installation and maintenance only.



**Turn Off  
Power Supply**

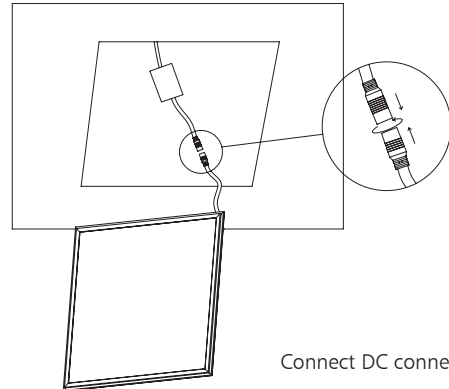
Turn Off power supply before starting any installation. Read instructions & check you have all the tools & accessories to complete the installation correctly.

### Step 1



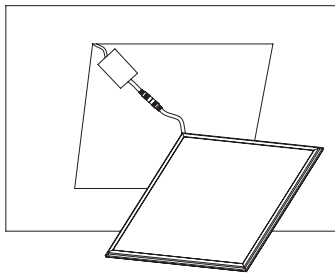
Ceiling opening.

### Step 2



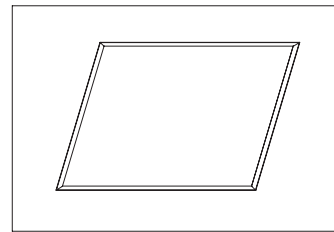
Connect DC connector.

### Step 3



Recessed panel into the ceiling.

### Step 4



Turn on the power, installation completed.