

# PCC 36TD Series

## 36W Triac Dimming LED Lighting Power Supplies



Case: 8046GX  
166 x 52 x 24 mm

### Features

- Constant current mode power supply
- 220-240V AC input
- 1-100% Triac dimming function
- Captive terminal screws for ease of connection
- Snap lock cable strain relief for quick installation
- Short circuit, over load, over temperature protections
- Class II product
- Cooling by free air convection
- Trailing edge operation
- SELV Equivalent

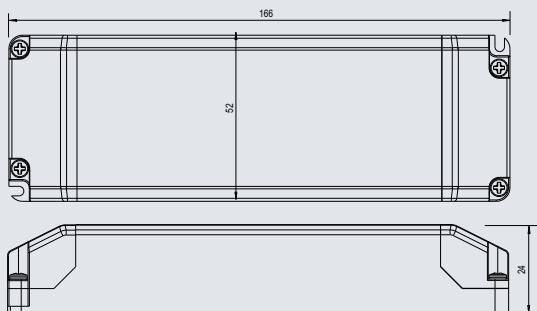


### Specification

|                    |                          |  |                   |                   |
|--------------------|--------------------------|--|-------------------|-------------------|
| <b>INPUT</b>       | <b>Voltage</b>           | 220V ~ 240VAC                                      |                   |                   |
|                    | <b>Frequency</b>         | 50 ----- 60 Hz                                     |                   |                   |
|                    | <b>Power Factor</b>      | 0.9  |                   |                   |
| <b>OUTPUT</b>      | <b>MODEL No.</b>         | <b>PCC105036TD</b>                                 | <b>PCC70036TD</b> | <b>PCC50030TD</b> |
|                    | <b>Voltage</b>           | 16~35V   | 24~52V            | 30~56V            |
|                    | <b>Current</b>           | 1050mA   | 700mA             | 500mA             |
|                    | <b>Power</b>             | 36W  | 36W               | 30W               |
|                    | <b>R&amp;N</b>           | 400mA  | 250mA             | 220mA             |
|                    | <b>Efficiency (TYP.)</b> | 82%  | 85%               | 85%               |
| <b>PROTECTION</b>  | <b>Over Load</b>         | 100~135% rated output power                        |                   |                   |
|                    | <b>Over Temperature</b>  | Thermal shutdown                                   |                   |                   |
| <b>ELEC. CHAR.</b> | <b>Dimming Control</b>   | 1~100%, Triac controlled                           |                   |                   |
|                    | <b>Setup Time</b>        | <2s  |                   |                   |
| <b>ENVIRONMENT</b> | <b>Temperature</b>       | Operating: -20 ~ +50°C ; Storage: -20~ +80°C       |                   |                   |
| <b>SAFETY</b>      | <b>Safety Standard</b>   | Design refers to EN61347-1:2001, EN61347-2-13:2001 |                   |                   |
|                    | <b>EMC Emissions</b>     | Compliance to EN61000-3-2, EN61000-3-3, EN55015    |                   |                   |
| <b>EMC</b>         | <b>EMC Immunity</b>      | Compliance to EN55015, EN61547                     |                   |                   |
| <b>OTHERS</b>      | <b>M.T.B.F.</b>          | 50K hrs min. MIL-HDBK-217F (25°C)                  |                   |                   |
|                    | <b>Packing</b>           | N.W.:0.15Kg / 1pc                                  |                   |                   |

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
3. Tolerance : includes set up tolerance, line regulation and load regulation.
4. Derating may be needed under low input voltage. Please check the static characteristics for more details.
5. The power supply is considered a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation.
6. Length of set up time is measured at first cold start. Turning the power supply ON/OFF may lead to increase of the set up time.
7. In the European market this power supply is only suitable for LED lighting applications that don't have to comply with the harmonic current requirements of EN61000-3-2 Class C
8. Suitable for indoor use or outdoor use without direct sunlight exposure.

### Dimensions



Case: 8046GX Unit: mm

### LED Configuration

