

# PCC36TD Series



## 40W Triac Dimming LED Lighting Power Supplies



### Key Features:

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

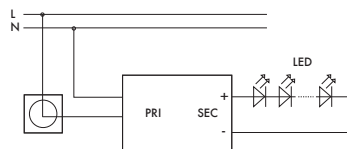
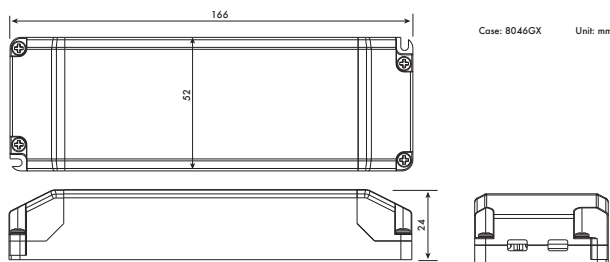
### PCC36TD SPECIFICATION

Part Code	PCC50030TD	PCC70036TD	PCC105036TD
Input Voltage	220V ~ 240VAC	220V ~ 240VAC	220V ~ 240VAC
Inrush	<1.3A	<1.3A	<1.3A
Frequency	50 ~ 60 Hz	50 ~ 60 Hz	50 ~ 60 Hz
Power Factor	0.95	0.95	0.95
Output Voltage	40-80V	28-56V	19-38V
Current	500mA	700mA	1050mA
Power	40W	40W	40W
R&N	220mA	250mA	400mA
Efficiency (TYP.)	85%	89%	88%
Over Load	100~135% rated output power		
Over Temperature	Thermal shutdown		
ELEC. CHAR.	Dimming Control	1~100%, Triac controlled	
Setup Time	<2s		
Temperature	Operating: -20 ~ +40°C; Storage: -20 ~ +80°C		
Safety Standard	Design refers to EN61347-1:2001, EN61347-2-13:2001		
EMC	Compliance to EN55015, EN61547		
M.T.B.F.	90K hrs min. MIL-HDBK-217F (25°C)		
Packing	N.W.:0.15Kg / 1pc; 20pcs / 13.6Kgs 0.51CUFT / 1 CTN		
Connections	Screw terminal on I/P & O/P		
Weight	100g	100g	100g
Dimensions	166 x 52 x 24mm	166 x 52 x 24mm	166 x 52 x 24mm



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.

### Mechanical Diagrams



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