

# LDC12 / 60 SERIES

Constant Current LED Power Supply: 12 / 60 Watts



## Features

- **Constant Current** LED power supply
- Universal input voltage 90 ~ 277Vac
- Output voltage 3~48vdc
- IP66 weatherproof enclosure
- Overvoltage protection
- Short Circuit protection
- -30°C to +60°C operation
- EN55015 Conducted Level B
- EN55015 Radiated Level B
- EN61347 Compliant

## General Specifications

Input Voltage	90 ~ 277VAC
Power Factor	>0.9
Frequency	47 ~ 63Hz
Output Power	12 / 60 watts
Output Voltage	See table
Efficiency	80%
Voltage Range	See table
Minimum Load	zero
Regulation-Line	±2%
Regulation-Load	±5%
Turn-on Delay	200ms, measured at 230vac 100% load
Isolation	Input ~ output: 3000VAC Input ~ Chassis: 1500VAC Output ~ Chassis: 500VDC <ul style="list-style-type: none"><li>• Input-Output isolation test not be carried out on these power supplies.</li></ul>
Insulation	Class II
Protection	Overload / short circuit protection
Safety	EN61347-1, UL1310
No Load Power	N/A
EMC	EN55015, EN55022 Conducted Lev B EN55015, EN55022 Radiated Lev B
Immunity	EN61000-4- (4KV L-E)
Operating Temp.	-30°C to +60°C at 100% load
Humidity	15 ~ 90% RH
IP Rating	IP66
Connections	Input & output cable, 150 ~300mm
Dimensions	LDC12: 90 x 35 x 21mm 110g LDC60: 242 x 43 x 30mm 200g

## Description

## Preliminary

The **LDC12** and **LDC60** series of “Constant Current” power supplies deliver 12 watts in a very compact package.

Four models with voltage options from 3 ~ 48Vdc and current up to 1750mA, allows users to select the optimum LED power supply for their application.

Efficiency of 80% and IP66 protection, they provide high reliability and performance.

Suitable for a wide range of LED Driver applications.  
Contact office for LED configuration application notes.

Model	Output V	Output A	Power W
<b>LDC12-36-R35</b>	3 ~36V	350mA	12W
<b>LDC12-18-R70</b>	3 ~ 18V	700mA	12W
<b>LDC60-48-1R05</b>	9 ~ 48V	1050mA	50W
<b>LDC60-42-1R40</b>	9 ~42V	1400mA	58W
<b>LDC60-34-1R75</b>	9 ~34V	1750mA	60W