

# LXC30 / 50 SERIES

Constant Current LED Power Supplies: 30 ~ 50 Watts



## Specifications

Input Voltage	90 ~ 264VAC
Frequency	47 ~ 63Hz
Output Power	30 ~ 50 watts
Power Factor	Typically 0.85
Output Voltage	See table
Efficiency	Model dependant 84-88%
Voltage Range	See table ( not adjustable )
Regulation-Line	±1%
Regulation-Load	±3%
Ripple & Noise	2% pk-pk, 20MHz Bandwidth
Overshoot	10% max
Turn-on Delay	3sec, 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	OVP Latching Short circuit protection with auto recovery Over temperature protection
Safety	EN61347-1 and UL8750 pending
No Load Power	No load power dissipation 1W
EMC	EN55015 Conducted Lev B EN55015 Radiated Lev B
Immunity	EN61000-3, -4
Operating Temp.	-35°C to +60°C at 100% load, +70°C @ 80% load
Humidity	10 ~ 100% RH
IP Rating	IP67 waterproof
MTBF	Calculated: per Telecordia SR-33 @ 25°C: 2m hrs Lifetime: 80,000hrs
Connections	Input & output cable, 340mm
Dimensions	LXC30: 183 x 43 x 35mm 460g LXC50: 183 x 43 x 35mm 460g

## Features

- **Constant Current** LED power supplies
- Universal input voltage 90 ~ 264Vac
- High Efficiency up to 88%
- Active Power Factor Correction typically 0.85
- Output voltage options 6 ~ 85vdc
- IP67 waterproof enclosure
- Overvoltage & Short Circuit protection
- Over temperature protection
- -35C to +60°C operation
- EN55015 Conducted & Radiated Level B
- Safety: EN61347-1 & UL8750

## Description

The **LXC30** and **LXC50** series of “**Constant Current**” LED power supplies, deliver up to 50 watts in a very compact package. There’s a large selection of models with output voltage options up to 142V and output current options up to 3A, for specific LED configurations.

With industry leading efficiencies of up to 88% and IP67 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>LXC30-0350S</b>	42-85V	350mA	30W
<b>LXC30-0450S</b>	33-66V	450mA	
<b>LXC30-0700S</b>	21-42V	700mA	
<b>LXC30-0830S</b>	18-36V	830mA	
<b>LXC30-1250S</b>	12-24V	1250mA	
<b>LXC30-1660S</b>	9-18V	1660mA	
<b>LXC30-2500S</b>	6-12V	2500mA	50W
<b>LXC50-0350S</b>	71-142V	350mA	
<b>LXC50-0450S</b>	55-111V	450mA	
<b>LXC50-0700S</b>	35-72V	700mA	
<b>LXC50-1050S</b>	24-48V	1050mA	
<b>LXC50-1190S</b>	21-42V	1190mA	
<b>LXC50-1400S</b>	18-36V	1400mA	
<b>LXC50-2100S</b>	13-24V	2100mA	
<b>LXC50-2770S</b>	9-18V	2770mA	
<b>LXC50-3000S</b>	7-12V	3000mA	

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## INPUT / OUTPUT WIRING

### INPUT CABLE

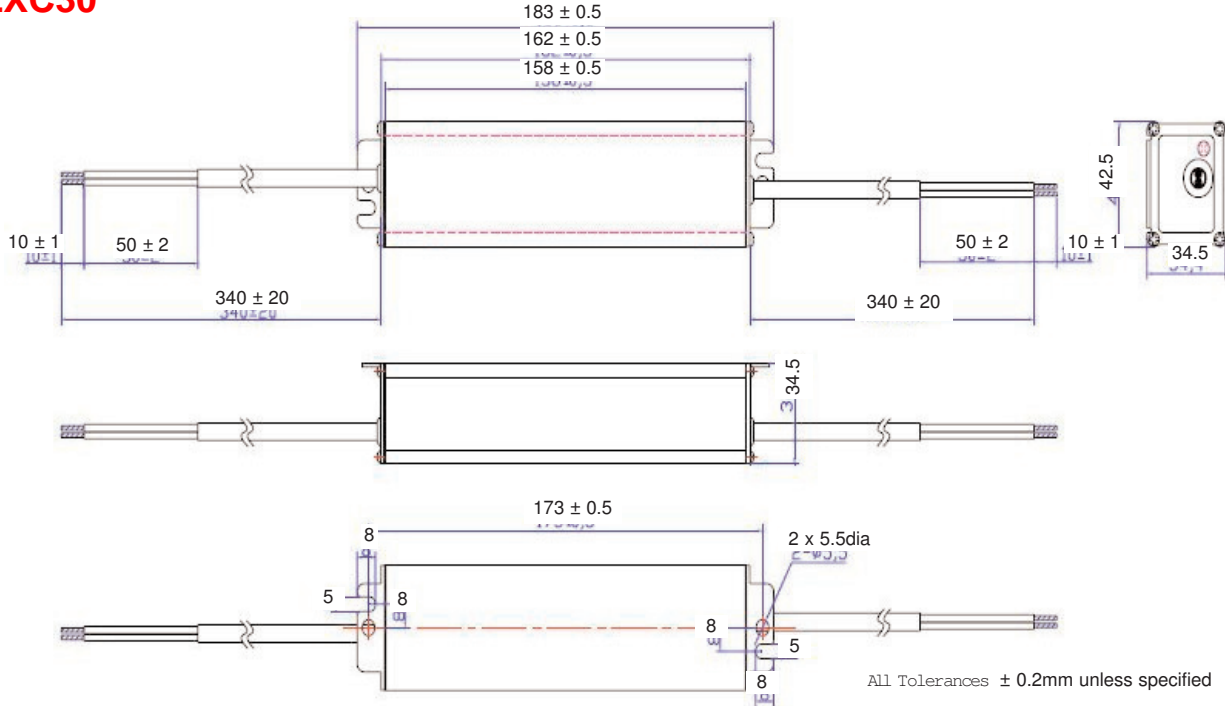
SJTW 18AWG 2C  
Black (N) and White(L) 340±20mm

### OUTPUT CABLE

SJTW 18AWG 2C  
Black (-V) and Red (+V) 340±20mm

## MECHANICAL SPECIFICATIONS

### LXC30



## INPUT / OUTPUT WIRING

### INPUT CABLE

SJTW 18AWG 2C  
Black (L) and White(N) 340±20mm

### OUTPUT CABLE

SJTW 18AWG 2C  
Black (-V) and Red (+V) 340±20mm

## MECHANICAL SPECIFICATIONS

### LXC50

