

## LED Driver - 24vdc 150W Constant Voltage Slim



### Features:

Ultra slim design measuring just 322 x 30.1 x 21.5mm

AC input 200-240vac 50Hz

Short circuit, Overload, Open Circuit and Over Temperature Protections

Cooling by free air convection for high reliability

100% ageing test on full load

3 Year Warranty

Compliance to worldwide lighting safety standards

Safety to EN61347-1, EN61347-2-13

Regulated 24vdc (constant voltage) output

Part of the SLIM series from PowerPax also in 30W, 60W and 100W power ratings

Model	Voltage Output	Load	Maximum	Dimensions
LED-DR-24V-150W-SLIM	24vdc	0—150W	6.25A	322 x 30.1 x 21.5mm

This ultra slim constant voltage LED driver is manufactured and approved to lighting standards IEC61347-1 and also IEC61347-2-13. It features 4 integral protections for high levels of safety including short circuit and open circuit protection, over voltage and over temperature protection. They are suitable for indoor use only and rated to IP20

The units are supplied with screw terminals on the input and output for fast connection. They are 100% burn in tested and feature active power factor correction . Please see full information on pages 2

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## -Input

Items	Conditions	Request	Note
Input voltage	Ta	AC200-240V	--
Input frequency		50/60Hz	--
Input current	25°C, rated input voltage, output with max. rated power	< 01A	--
Input power		< 170W	--
Efficiency		≥ 90%	--
Standby	25°C, rated input voltage, output without load	<0.21W	average
Inrush current	25°C, rated input voltage	<60A	peak
PF	25°C, rated input voltage, output max. rated power	≥ 0.9	--

## -Output

Items	Conditions	Request	Note
Startup time	25°C, rated input voltage, output with max. rated power	<0.5S	--
Output voltage and precision	Ta, rated input voltage, output with rated power	24V±5%	--
Output current range	Ta, rated input voltage	0-6.25A	
Output voltage wave	25°C, rated input voltage, output with max. rated power	240mV	Vp-p
Output overload	25°C, rated input voltage, output with 2 times LED load	yes	--
Output current and precision	Ta, rated input voltage, output with rated power	--	--
Rated output voltage range	Ta, rated input voltage	--	--
Output current wave	25°C, rated input voltage, output with max. rated power	--	Ip-p
Dimming mode	--	--	--
Dimming range	--	--	--

## -Temperate and others

Item	Conditions	Request	Note
Operation temp.	--	-20-45°C	--
Relative humidity	--	45%-85%	--
Max. case temp.	--	90°C	--
Lifetime	Max.Ta,rated input voltage,output with max.rated power	30,000hr	--
Working noise	25°C,rated input voltage,output with rated power, mute box background noise<35dB, pickup 10cm distance from products	yes	--

## -Mechanical, mounting

Items	Conditions
Case material and size	Plastic case
Mounting ways	Independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	Terminal Block
Output cables dimension	Terminal Block
Output cables length	--

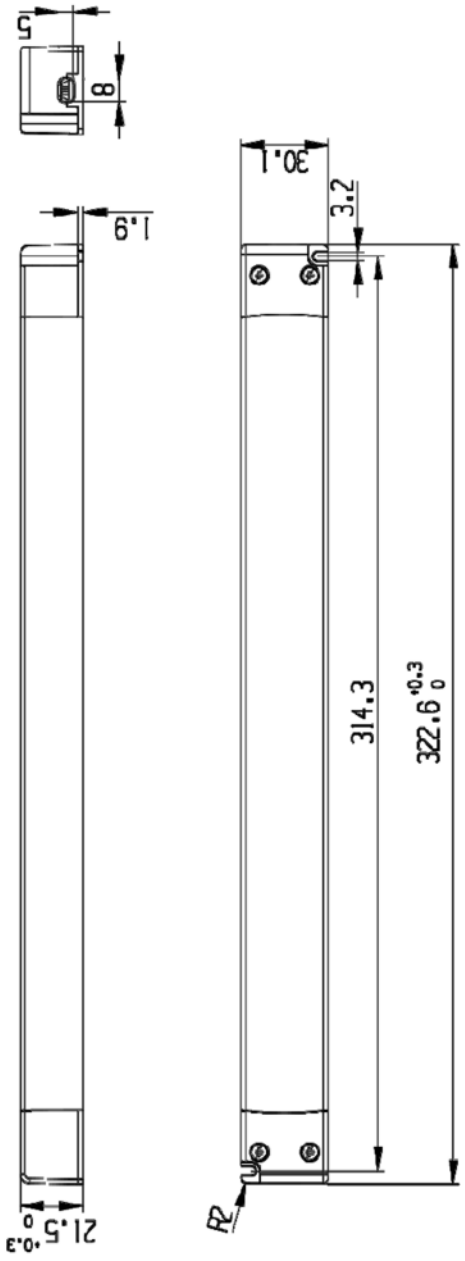
## -Protection

Items	Conditions	Request	Note
Open circuit	Ta, rated input voltage, no load	--	--
Over load	Ta, 0.94-1.06 times of input voltage, 1.6 times of rated power	yes	--
Short circuit	Ta, 0.94-1.06 times of input voltage	yes	--
Over temperature	Ta, 0.94-1.06 times of input voltage, temperature detected pointed more than 115 degree	yes	--
Over voltage	Ta, 0.94-1.06 times of input voltage,output voltage is 1.5 times of rated one	yes	--
Auto recovery	Over load, short circuit revocation	yes	--
Latch off	Over voltage, over heat re-start after cut off	yes	--

## -Standard

Items	Conditions
Safety	IEC61347-1、IEC61347-2-13
Harmonic	EN61000-3-2 Class C
EMI	EN55015
EMS	EN61000-4-2、3、4、5、6 EN61547

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