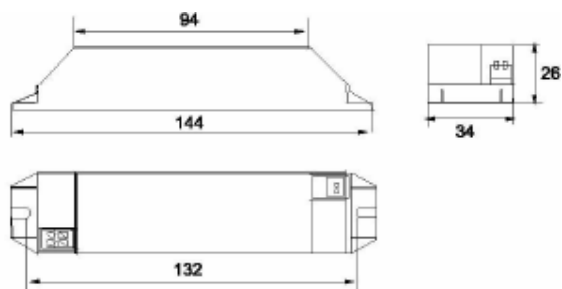


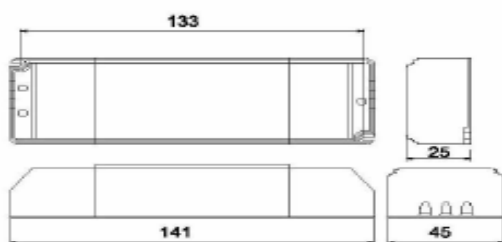
DR1001



DR1001-120035-8W/ DR1001-120070AF-12W



DR1001-230035-8W/ DR1001-230070AF-12W



Overview

LED High Power Factor series of LED drivers are designed to drive Lumileds Luxeon, with constant current output. Specifications such as high PF, high efficiency, small housing and so on, provide you the Luxeon system best applications.

Feature

- ◆ Small-housing, small-size
- ◆ Perfect specifications
- ◆ High power factor(>0.98)
- ◆ High efficiency (85% typically)
- ◆ Low THD(<20%)
- ◆ DC constant current output, compliant with all colors of standard and customized Luxeon Power Light Source
- ◆ Approval: UL
- ◆ Long lifetime(50,000hrs), 3years warranty
- ◆ Protection: overload, short circuit, overheat over voltage

Applications

- ◆ General indoor lighting fixtures
- ◆ Orientation lights
- ◆ Architectural lighting
- ◆ Cabinet lights
- ◆ Wall lights

Electrical Specifications(Environmental Temperature 25)

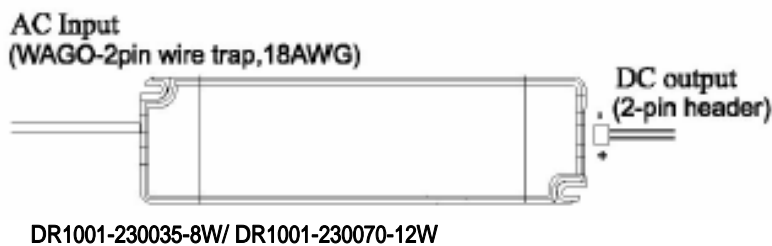
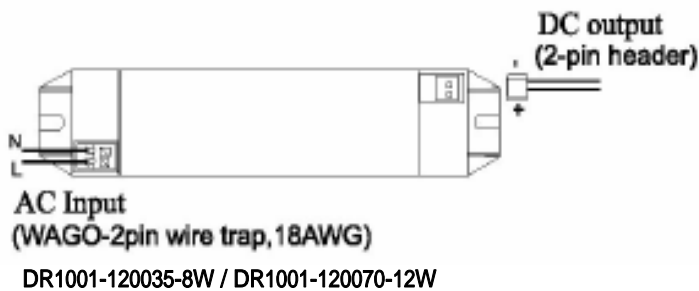
Parameter	Symbol	DR1001-120035-8W	DR1001-120070-12W	DR1001-230035-8W	DR1001-230070-12W
Input Voltage Range	Vin	120VAC±10%	120VAC±10%	230VAC±10%	230VAC±10%
Efficiency	η	85% typically	85% typically	85% typically	85% typically
Output Current	Io	350mA±5%	700mA±5%	350mA±5%	700mA±5%
Output Power	Po	1~8W	2~12W	1~8W	2~12W
Frequency	f	60Hz	60Hz	50Hz/60Hz	50Hz/60Hz
Total harmonic distortion	THD	<20%	<20%	<20%	<20%
Power factor	Pf	>0.98	>0.98	>0.98	>0.98

DR1001

Environmental Ratings

Parameter	Symbol	Min	Max (DR1001-120035-8W/ DR1001-120070-8W)	Max(DR1001-230035-8W/ DR1001-230070-12W)
Operating Ambient Temperature	Ta	-20	+50	+60
Storage Ambient Temperature	Tstg	-20	+80	+80
Casing Temperature	Tc	--	+70	+90

Driver Wiring Diagram



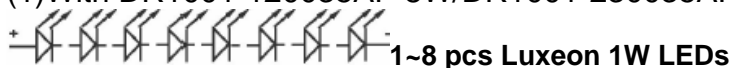
Notes

NOT turn on the driver until the whole circuit is OK.
To protect LEDs against electrostatic damage, please work with staticproof gloves during the whole installation process
Ensure that your Luxeon application have enough thermal protection, or ask experts for necessary help.
When there's some waterproof criterion on your applications, you may turn to LED waterproof drivers.

Configuration array

To driver Luxeon 350mA LED

(1)With DR1001-120035AF-8W/DR1001-230035AF-8W



(2) With DR1001-120070AF-12W/ DR1001-230070AF-12W



2.To drive Luxeon 700mA LED with DR1001-120070AF-12W/ DR1001-230070AF-12W

