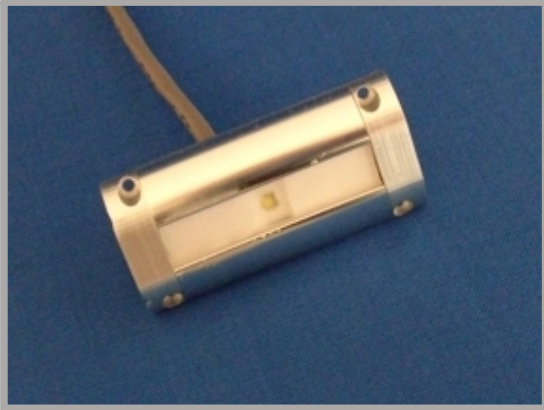


RV Light Module - RV1/RV2/RV3

Constant Voltage LED Module



Features

- On-board driver technology
- Powered by Luxeon Rebel™
- Efficient and robust light source
- Weatherproof to IP68
- Wide input range 10-30V DC
- Integral mounting holes at each end of unit for No. 2 Screw

Description

The RV1, RV2 and RV3 are simple plug-and-play LED light modules which allow installers to connect the units to a DC power supply (mains transformer, battery etc.) anywhere between 10V and 30V DC.

The units are rated IP68 for indoor and outdoor installations.

Typically these units would be for automotive, portable and signalling applications. They can also be used for retail displays, signage, backlighting or architectural lighting.

The LEDs in the RV range are driven at 350mA.

Up to 60 units of the RV1 (1 LED) can be driven from a 100W 12V power supply, simplifying installations and creating new opportunities for this innovative product.

RECOMMENDED DRIVERS

Model
D6CV12
D100CV12

We reserve the right to make changes at any time in order to maintain the highest product quality.

RV Light Module - Revision C - 14 Jan 2010

LIGHTING PERFORMANCE

Model	Light Source	LED Qty	Lumen Output	Expected Lifetime
RV1	Luxeon Rebel	1	95	50,000hrs +
RV2	Luxeon Rebel	2	190	50,000hrs +
RV3	Luxeon Rebel	3	285	50,000hrs +

NB: Lumen values quoted on Cool White (6500°K)

INPUT DATA

Model	Approx. Power Consumption	Input Voltage	Power Supply	Input Connection
RV1	1.4W	10-30V DC	Constant Voltage DC	Flying Lead
RV2	2.8W	10-30V DC	Constant Voltage DC	Flying Lead
RV3	4.2W	10-30V DC	Constant Voltage DC	Flying Lead

OPERATING DETAILS

Model	LED Drive Current	Ambient Temperature Range
ALL	350mA	-10°C to +40°C

PHYSICAL DETAILS

Model	Mounting Type	Finish	Length
RV1	Mounting holes-each end 2.4mm	Clear Anodised	63mm
RV2	Mounting holes-each end 2.4mm	Clear Anodised	63mm
RV3	Mounting holes-each end 2.4mm	Clear Anodised	63mm

OPTIONS

Model	Single LED Colours	RGB	Optic
ALL	Red, Green, Blue, Amber, Cool White, Neutral White, Warm White	No	No

DRIVE LIMITATIONS

Model	Max. number of Units per Driver (12V)	
	D6CV12	D100CV12
RV1	40	60
RV2	20	35
RV3	12	20

PROFILE DIMENSIONS

