

Description

'Module 12 V DC Single LED' is an architectural decorative high efficiency LED based luminary powered by one high efficiency CREE Inc, USA LED's. This luminary contains a high frequency 12VDC converter enabling it to run directly from constant voltage power supplies thus simplifying installation. Its direct 12VDC operation makes it possible for use in solar powered applications. With high voltage parts away from the luminary, safety of the installation is greatly enhanced. The luminary can be fully sealed for use in outdoor installations.



The *STANESH* edge

- Cree Inc. USA, XLamp LED's
- Reverse polarity protection
- Easily integrated in housing of customer choice

Available Types

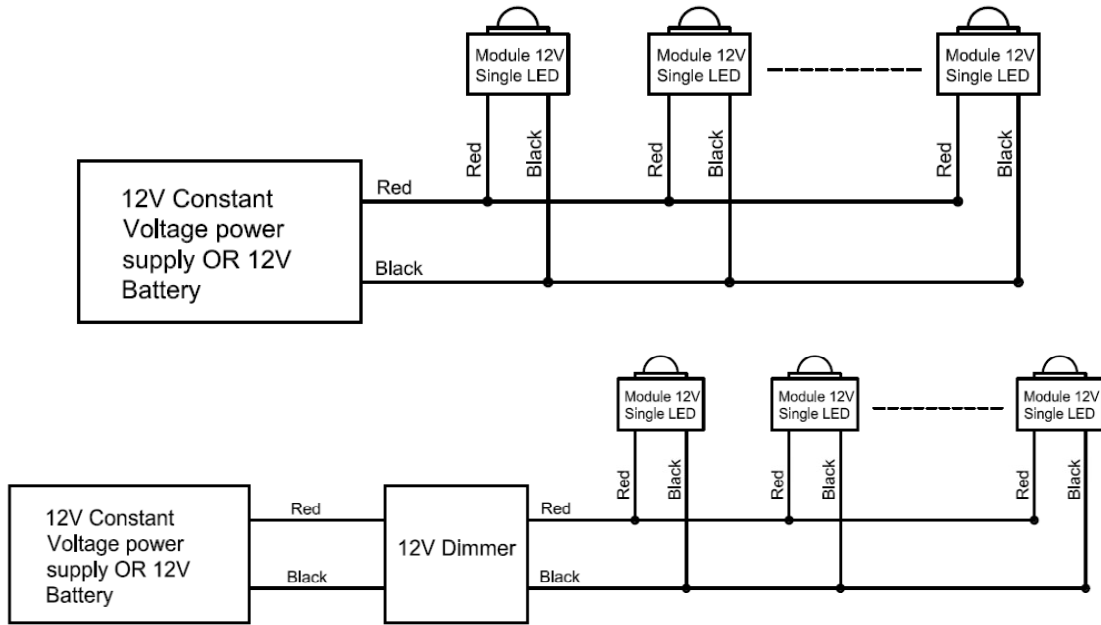
Part No.	Colour Temp. (K)
Module 12V Single LED 3000K	Warm White (3000K)
Module 12V Single LED 4000K	Warm White (4000K)
Module 12V Single LED 5000K	Neutral White (5000K)
Module 12V Single LED 6000K	Cool White (6000K)
Module 12V Single LED 7000K+	Cool White (>7000K)
Module 12V Single LED Blue	Blue (470nm)
Module 12V Single LED Cyan	Cyan (505nm)
Module 12V Single LED Green	Green (530nm)
Module 12V Single LED Amber	Amber (590nm)
Module 12V Single LED Red-Orange	Red-Orange (615nm)
Module 12V Single LED Red	Red (630nm)

Module 12V Single LED (Model No)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				3000K
				4000K
				5000K
				6000K
				>7000K
				Blue
				Cyan
				Green
				Amber
				Red-Or
				Red

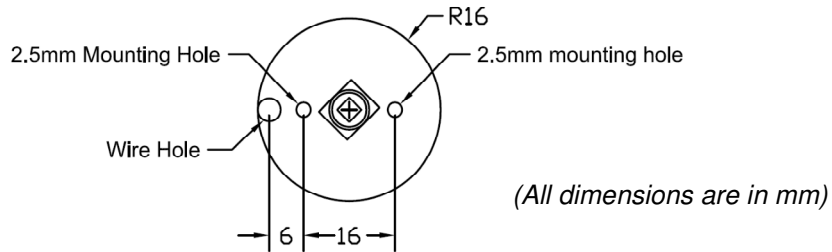
Electrical Specifications

Symbol	Description	Typical	Unit
V_{dc}	DC Input operating voltage	12.0	V
V_{peak}	DC Input surge voltage (1min max)	18.0	V
I_{nom}	DC Input current (+-10%)	0.13	A
P_{in}	Power	1.8	W
F_{osc}	Internal converter frequency	210	kHz
t_a	Ambient Temperature	40	°C
t_c	Rated maximum temperature	70	°C

Connection Diagram



Mechanical Specifications



Optical Specifications

