BITRODimming System

BT-SDM

LED Dimming Module Series

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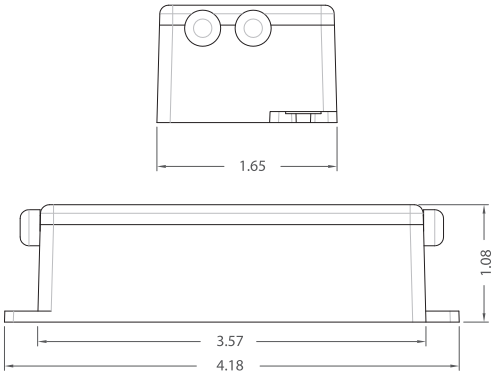
overview

Bitro BT-SDM Smart Dimming Module is Bitro's standard dimming solution to control the brightnesses of low voltage and constant voltage operated LED module arrays. BT-SDM is inserted on the secondary side of the LED power supply and is connected to a 0-10V synchronized dimmer controls.
BT-SDM is stable, efficient, and simple to install, and can be installed in any dry, damp, and wet locations. excellent for use in signage and architectural lighting applications.

features

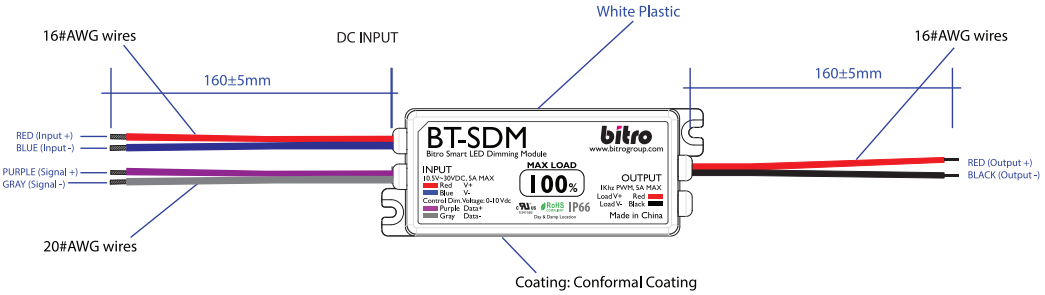
- Controls brightness of constant voltage LED modules.
- Must be used with 0-10V Dimmer Controls.
- Extremely Efficient (99%).
- Allows smooth and wide dimming range
- Works with off-the-shelf items such as Lutron DivaR 0-10V dimmer control.
- Housed in weather-proof case for dry, damp, and wet locations.
- Backed by 5-year warranty

dimension



unit : inches

models & dimension



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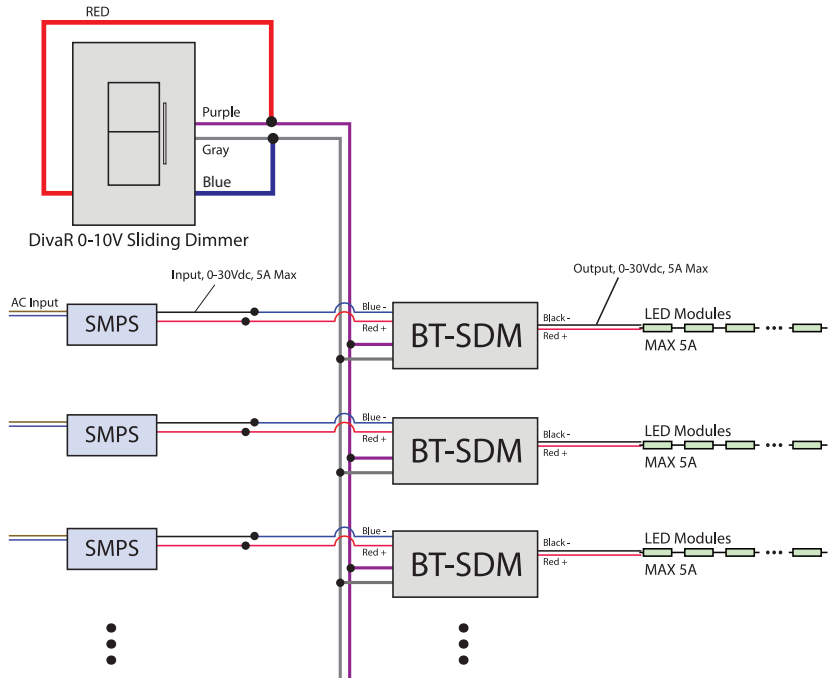
specifications

MODEL		BT-SDM
INPUT	Input Voltage RANGE	10.5V ~30V DC input
	Input/Output switch Current	5 A max
	Control Voltage	0-10Vdc control
OUTPUT	DC output voltage	10.5V ~30V DC
	Dimming Range	0 - 100%
	RATED POWER	150W
	EFFICIENCY (Typ.)	99%
PROTECTION	OVER TEMPERATURE	external LED temperature regulation input with optional temperature sensor module
ENVIRONMENT	WORKING TEMP.	-20 to +80 C ambient at full load.
	WORKING HUMIDITY	0% to 100%, non-condensing
	STORAGE TEMP., HUMIDITY	-40 to 85 C, 0% to 95%RH
SAFETY	SAFETY STANDARDS	design to meet UL requirement
OTHERS	MTBF	>500K hours, MIL-HDBK217E at 25 degrees C ambient.
	DIMENSION	4.18"L (106mm) x 1.65"W (42mm) x 1.08"H (28mm)
	Wire Size	Input: 16 AWG standard, 6 inches Control & output: 20 AWG standard, 6 inches

wiring diagram



layout service

Please email estimate@bitrogroup.com
with drawings for prompt layout services.

contact bitro

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