

## SPECIFICATION SHEET

JOB NAME: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 QUOTE/REF#: \_\_\_\_\_



The **PSDE-TW-010-WD** is a constant voltage warm dimming module designed for linear LED strips. This highly efficient dimming module is compatible with 0-10V control systems and is flicker free from 0-100%. It mimics a seamless, smooth incandescent dimming curve. It enables smooth, dynamic color temperature shifts of 1800K to 3000K. Depending on the application, the PSDE-TW-010-WD creates eye-catching, color temperature changing effects.

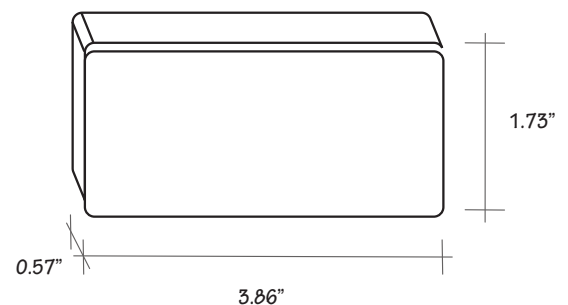
### SPECIFICATIONS

<b>INPUT VOLTAGE RANGE</b>	8 - 48V
<b>INPUT CONTROL</b>	1
<b>CHANNEL OUTPUT</b>	2
<b>OUTPUT VOLTAGE RANGE</b>	Vin - 0.2 - 0.5V
<b>MAX OUTPUT CURRENT</b>	5A
<b>MAX OUTPUT POWER</b>	240W
<b>POWER EFFICIENCY</b>	97% (Typical)
<b>INPUT CURRENT</b>	5.1A MAX (per channel)
<b>CONTROL VOLTAGE</b>	0/1-10VDC dimmer
<b>CONTROL RANGE</b>	0-100%V
<b>OVER VOLTAGE</b>	Auto recovery
<b>OVER TEMP PROTECTION</b>	Auto recovery
<b>UNDER VOLTAGE LOGOUT</b>	Auto recovery
<b>OUTPUT FREQUENCY</b>	1kHz PWM
<b>DIMMING RATIO</b>	1:1000
<b>AMBIENT TEMPERATURE</b>	-20°C ~ 60°C (Full Load)
<b>STORAGE TEMP</b>	-40°C ~ 85°C
<b>RELATIVE HUMIDITY</b>	5% ~ 95%
<b>SAFETY STANDARDS</b>	UL8750, UL879
<b>IP RATING</b>	IP65
<b>CASE/DESIGN MATERIAL</b>	Polycarbonate White
<b>WIRE LENGTH</b>	6 inches 152.4mm
<b>WIRE SIZE</b>	18AWG
<b>UNIT DIMENSIONS</b>	(LxWxH) 98mm x 44mm x 14.5mm

### FEATURES

- 8-48 VDC input
- Flicker-free 0-100% dimming
- High precision dimming ratio: > 1:1000
- Fully isolated plastic housing
- Complies with EN55015 and FCC part 15 without additional input filter and capacitors.
- Suitable for LED lighting and signage applications
- Compact size, high reliability

### DIMENSIONS



## WIRING DIAGRAM

