

Accessory

494-311 Lights Dimming Module

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Features and Functions

- Lightweight, Small Size, Modular design
- PWM driven dimming steps
- Soft-Start lamp driver to reduces lamp load inrush current
- Multiple dimming modules can be daisy chained to achieve higher light's pool



Description

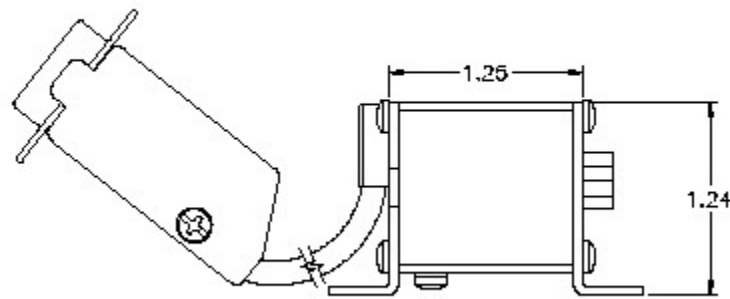
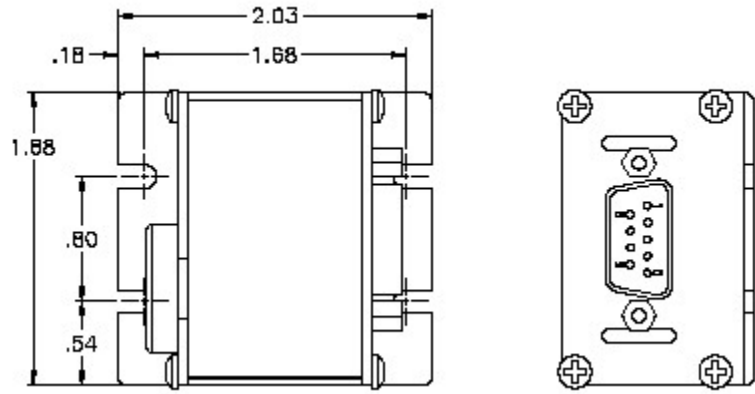
The 494-311 Lights Dimming Module provides low drop-out voltage conversion from Pulse-Width Modulate line signal to lamp drive current. It also equipped with soft-start circuit that greatly reduce the cool start system inrush and the high input impedance port allows multiple unit daisy chained when light's pool application is needed. The source of PWM signal may be obtains from our [SL-1369](#) Lighting Control Module or [SP67](#) SMartPack™

Application

- Low inrush On/Off lamp driver
- PWM controlled Continue dimming lamp driver

Mechanical Specification

- All dimensions are in Inch
- Material 5052-H32 Aluminum
- Black Anodize Finish
- Weight 4 OZ



Electrical Specification

- **Operating Voltage:** 17 ~ 32 VDC
- **Operating Current:** 0.1 Amps + Lamp Load
- **Operating Temperature:** -10 ~ +55 °C
- **System Interface:** Lamp Driver
- **Connector:** D-Sub Series with #4-40 Jackscrew ('P' suffix with Positronic's V3 Tab)
- **Driver Output:** 40 Watt Max. Lamp Load
- **PWM Input:** 0~40VDC 1~100% Duty High(ON) Low(OFF) logic into 10Kohm Impedance
- **PWM Input Threshold:** 2.5VDC

System Interconnect Connector

Label	Description	Connector Type
J1	System Interface	D-Sub 9 pin Plug (Male)
J2	Lamp Connection	D-Sub 9 pin Socket (Female) with 6" min Pigtaills

Connector Pinouts

J1 D-Sub 9 pin Plug (Male)			
PIN	FUNCTION	PIN	FUNCTION
1	Frame Ground	6	Power Return GND
2	Power Input +28VDC	7	-
3	-	8	Emergency Override #2 +28VDC
4	Emergency Override #1 +28VDC	9	PWM Signal GND
5	PWM Signal Input Hi	-	-

J2 Pigtail D-Sub 9 pin Socket (Female)			
PIN	FUNCTION	PIN	FUNCTION
1	-	6	Lamp+
2	-	7	Lamp+
3	-	8	Lamp-
4	-	9	Lamp-
5	-	-	-

Installation Notes:

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