

# Apeiron PRO Swivel

CUSTOMER COMPANY

CUSTOMER CONTACT

P.O. #

CUSTOMER PHONE #

SHIPPING ADDRESS

## DIMMABLE MARINE-GRADE LED DOWNLIGHT

A perfect balance of technical sophistication and elegance, the Apeiron PRO Swivel offers a finely tuned blend of traditional style and digital technology.

### FIXTURE BUILDER



#### FIXTURE TYPE

Apeiron PRO Swivel



#### OUTPUT

**3** 3W  
**6** 6W



#### FINISH

**PVD Titanium Coated**  
**1** Polished Chrome  
**2** Polished Gold  
**4** Brushed Nickel  
  
**Powder Coated**  
**3** White  
**5** Off-White



#### BEZEL SHAPE

**1** Round Swivel



#### WHITE LED COLOR

**AAG** Cool White 5700°K  
**BBD** Neutral White 4000°K  
**CBBR** Warm White 3000°K, High CRI



#### LED COLOR 2

**H** Red



#### LED COLOR 3

**D** Green  
**E** Blue

*Leave LED Color 2 and 3 boxes blank if they don't apply.*

### ACCESSORIES

#### DIMMING CONTROL

##### LIGHTLINK

**LL-101-PRO** Momentary Switch Dimmer

**LL-105-R** 0-10V Bridge, 12/24V DC

**LL-205-10V** 0-10V Bridge, 120-277V AC

LightLink Dimmers dim up to 50 Apeirons using a single control wire for dimming.

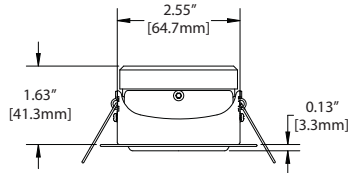
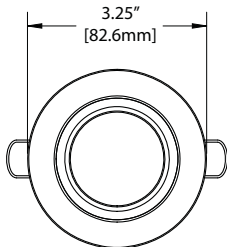
See below for additional dimming information and wiring diagrams.

### QUICK SPECS

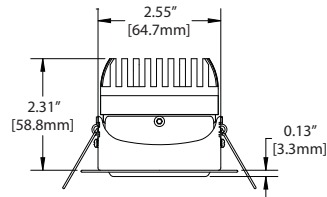
MODEL	STANDARD OUTPUT	HIGH OUTPUT
<b>Input Voltage</b>	9-30V DC	18-30V DC
<b>Input Power</b>	3 Watts	6 Watts
<b>Lumens</b>	<i>Under Test</i>	<i>Under Test</i>
<b>Beam Angle</b>	<i>Under Test</i>	<i>Under Test</i>
<b>Efficiency</b>	<i>Under Test</i>	<i>Under Test</i>
<b>Operating Temp</b>	-20°C to 40°C	-20°C to 40°C
<b>Max. Case Temp</b>	50°C	50°C
<b>IP Rating</b>	IP67	IP67
<b>Wiring</b>	9", 18AWG	9", 18AWG
<b>Housing</b>	Stainless Steel Trim, Anodized Aluminum Housing	Stainless Steel Trim, Anodized Aluminum Housing
<b>Lens</b>	Tempered Glass w/ Diffuser	Tempered Glass w/ Diffuser

## DIMMABLE MARINE-GRADE LED DOWNLIGHT

### DIMENSIONS

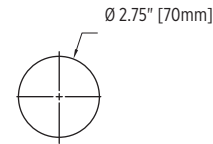


**STANDARD  
OUTPUT**

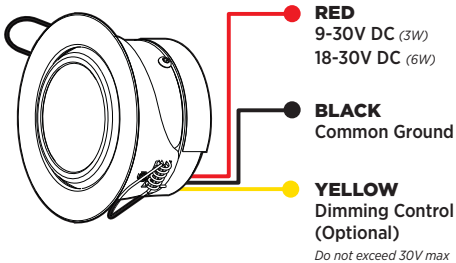


**HIGH  
OUTPUT**

### MOUNTING



### WIRE FUNCTION



**LIGHTLINK** See wiring examples below.

### Using 3rd Party Multiplex & PWM Dimmers:

The Yellow Dimming Control wire is engineered to work with i2Systems LightLink™ Dimmers and 3rd party PWM type dimmers.

To use a 3rd party PWM dimmer, drive the Yellow Dimming Control Wire using a Pulse Width Modulation (PWM) Controller. By driving the Yellow Dimming Control Wire Low to DC Common, the Fixture turns off. By driving the Yellow Dimming Control Wire High to DC Positive (i.e. +24V), or by allowing the wire to Float (no connection), the Fixture turns on to 100%.

The PWM signal must be a Square Wave at a fixed frequency and a maximum voltage of 30V DC. Frequency range may be between 100Hz and 1kHz (user selected). A wiring example is shown on the last page of this spec sheet.

### PROTECTION FEATURES



#### Active Thermal™

Active Thermal dims the Apeiron to help reduce the risk of overheating.



#### Electrical Protection

- Dim Line Protected to 30V DC
- 3-Stage Surge Suppression
- Reverse Polarity Protection
- Auto-Reset Fuse

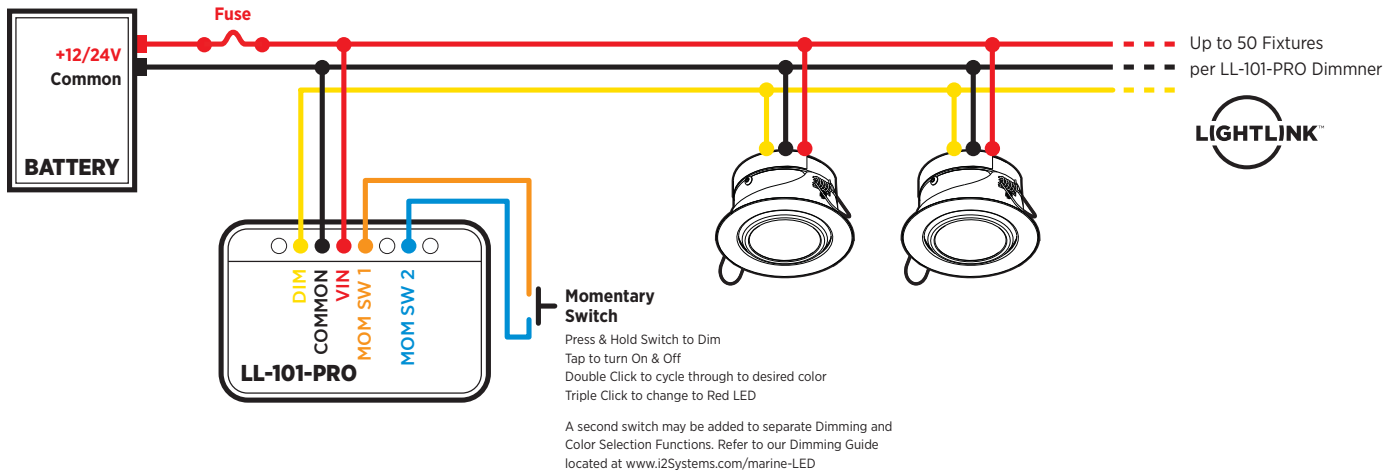
**WIRING EXAMPLE**

**12/24V DC NO DIMMING**



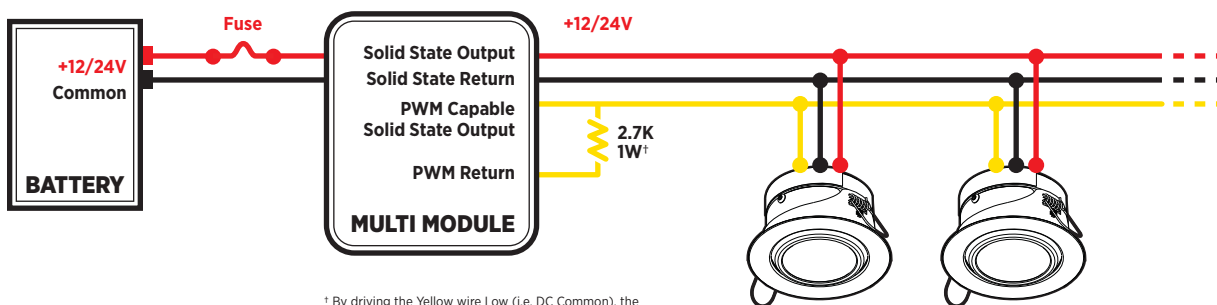
**WIRING EXAMPLE**

**12/24V DC PUSH BUTTON SWITCH DIMMING**



**WIRING EXAMPLE**

**12/24V DC 3RD PARTY MULTIPLEX DIMMER\***



\* By driving the Yellow wire Low (i.e. DC Common), the Fixture turns off. Many Multiplex type systems were originally designed for halogen lamps and do not Drive Low, in which case in this example a 2.7K, 1 Watt Pull Down Resistor pulls down the Yellow Dimming Line to DC Common when the PWM is not driven High (thus shutting off the Fixtures).

\*Compatible systems include



**EmpirBus™**

