

DIMMABLE MARINE-GRADE LED DOWNLIGHT

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

CUSTOMER COMPANY

CUSTOMER CONTACT

P.O. #

CUSTOMER PHONE #

SHIPPING ADDRESS

FIXTURE BUILDER

A50						
FIXTURE TYPE Apeiron PRO 	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 2 Square / Round 4 Square / Square	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 <i>Leave LED Color 2 and 3 boxes blank if they don't apply.</i>	LED COLOR 3 D Green E Blue

ACCESSORIES

DIMMING CONTROL

LIGHTLINK	
<input type="checkbox"/>	LL-101-PRO Momentary Switch Dimmer
<input type="checkbox"/>	LL-105-R 0-10V Bridge, 12/24V DC
<input type="checkbox"/>	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.

TRIM RING EXTENDERS

PN	FINISH
<input type="checkbox"/> 3120177-11	Chrome
<input type="checkbox"/> 3120177-21	Gold
<input type="checkbox"/> 3120177-31	White
<input type="checkbox"/> 3120177-41	Nickel
<input type="checkbox"/> 3120177-51	Off-White

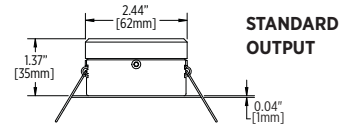
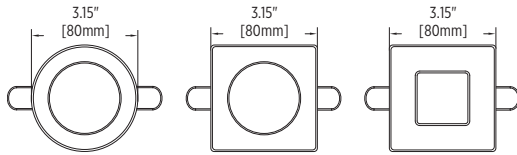
Extends round bezel from 3.15" to 3.75" diameter.

QUICK SPECS

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

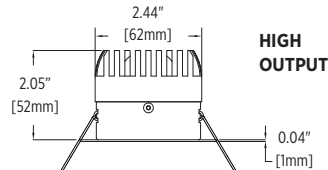
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DIMENSIONS



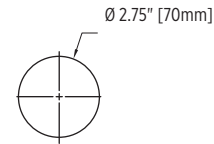
STANDARD OUTPUT

Bezel thickness may vary depending on configuration specified

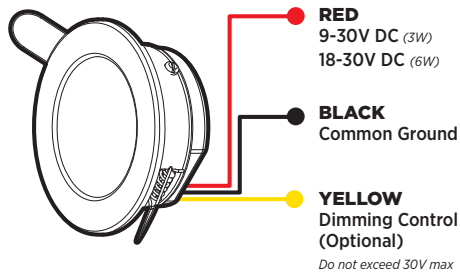


HIGH OUTPUT

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.

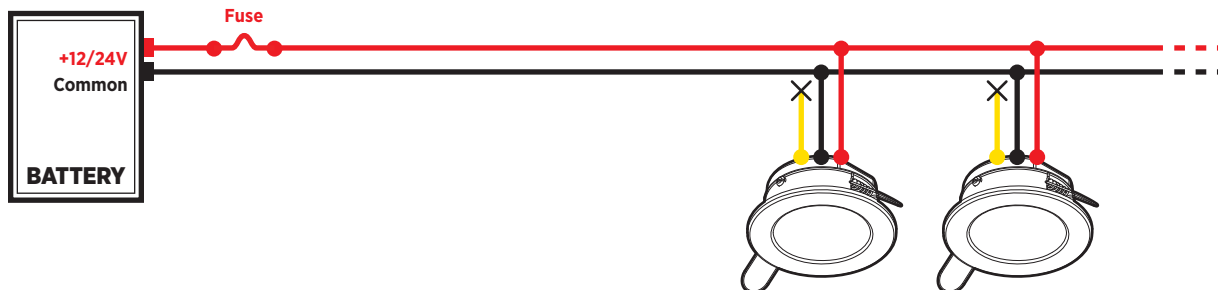


Electrical Protection

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

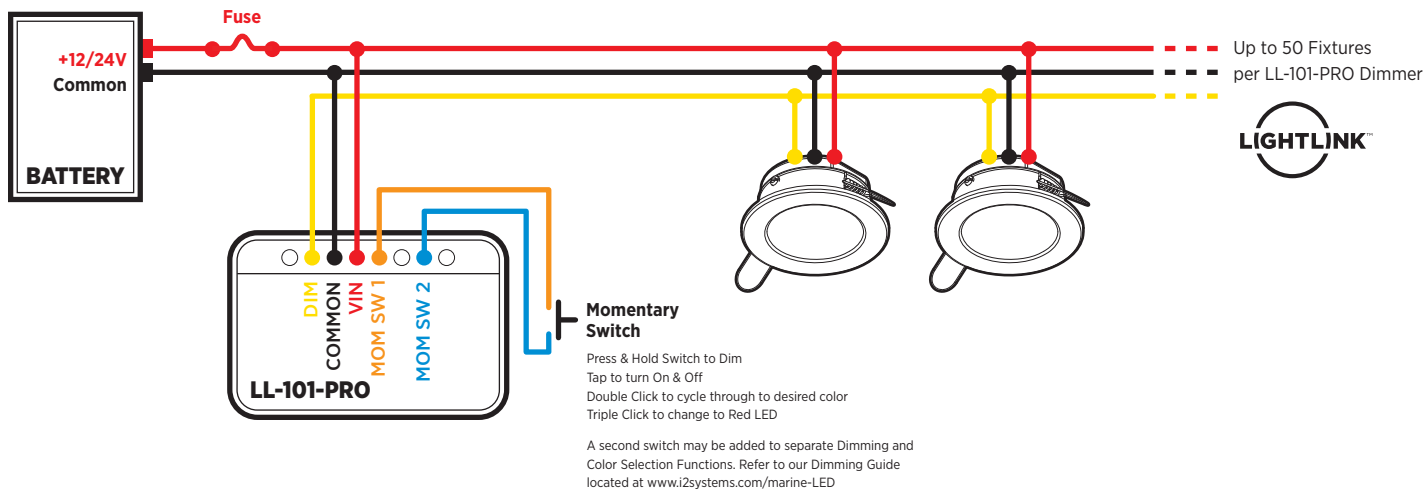
WIRING EXAMPLE

12/24V DC NO DIMMING



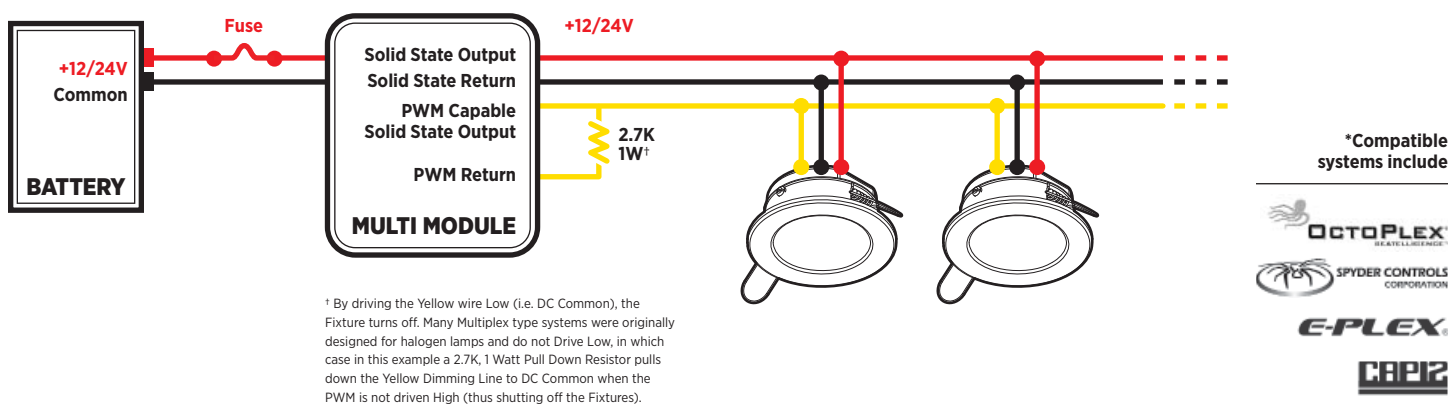
WIRING EXAMPLE

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).