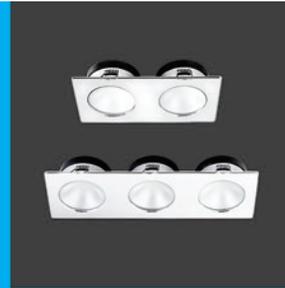




Simply
Advanced.™



WIDE RANGE OF BEZEL OPTIONS

Round, Square,
Double and Triple
Spring Mount
Installation

HIGH OUTPUT
PLUS NEW
SWIVEL
OPTION



Apeiron™ A2162

DIMMABLE MARINE-GRADE LED DOWNLIGHT

Since its introduction nearly a decade ago, Apeiron is the undisputed go-to marine LED down light. Apeiron fixtures offer the perfect blend of technical sophistication and elegance. Now with a swivel option.

FEATURES

Advanced Optics

Even light, with no LED "dots" or pixilation, provides the halogen look without the heat and 1/5th the power load.

Dimmable

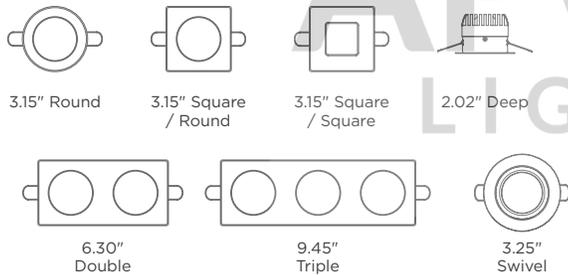
Using our LightLink™ Dimmers, experience simple LED dimming at the push of a button.

Rugged & Waterproof

With stainless steel construction and a PVD Titanium-Coated or Mil-Spec Powder-Coated stainless steel trim bezel, expect industry-leading fit and finish that will last. IP67 waterproof rated*.

Simple to Install

Convenient spring clip design makes installation fast and easy.



*IP67 rated. Not for use in submersible applications.



Typical Applications

- General Lighting
- Soffit
- Pilot House
- Mezzanine
- Hardtop

Quick Specs

6W	Power
190	Lumen Output Typ.
120°	Beam Angle Fixed
60°	Beam Angle Swivel

LED Color

2700°K Warm White
3000°K Warm White
4000°K Neutral White
5700°K Cool White

Finish Color

- Polished Chrome (PVD TITANIUM)
- Polished Gold (PVD TITANIUM)
- Brushed Nickel (PVD TITANIUM)
- White (MIL-SPEC POWDER COATED)
- Off-White (MIL-SPEC POWDER COATED)
- Black (MIL-SPEC POWDER COATED)

MODEL A2162 | DIMMABLE MARINE-GRADE LED DOWNLIGHT

The Apeiron is an IP67 marine-grade LED downlight available with a fixed or swivel bezel option, providing added flexibility and adjustment. With stainless steel construction and the option for either titanium-coated PVD or mil-spec powder-coated finish, expect a premium finish that will withstand the elements of time.

CUSTOMER COMPANY

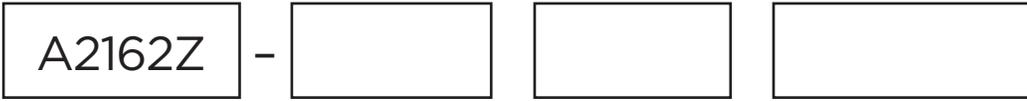
CUSTOMER CONTACT

P.O.#

CUSTOMER PHONE #

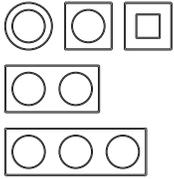
SHIPPING ADDRESS

FIXTURE BUILDER



FIXTURE TYPE

Apeiron



FINISH

PVD Titanium Coated

- 1 Polished Chrome
- 2 Polished Gold
- 4 Brushed Nickel

Powder Coated

- 3 White
- 5 Off-White
- 6 Black

BEZEL SHAPE

- 1 Round
- 2 Square / Round
- 4 Square / Square
- 5 Double
- 6 Triple
- 8 Round Swivel

LED COLOR

- A00L** Cool White 5700°K
- B01L** Neutral White 4000°K
- CAB** Warm White 3000°K
- CAA3** Warm White 2700°K

ACCESSORIES

DIMMING CONTROL

TRIM RING EXTENDERS

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

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
<input type="checkbox"/> 3120177-61	Black

The LightLink LL-101 Dimmer dims up to 20 Apeiron fixtures. The LL-105-R dims up to 50.

See below for additional dimming information and wiring diagrams.

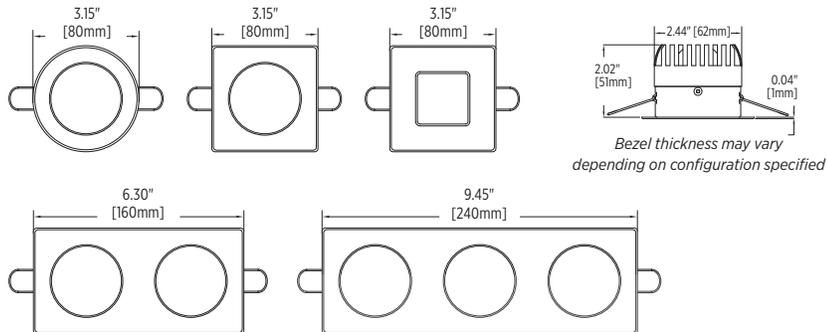
Extends round bezel from 3.15" to 3.75" diameter.

QUICK SPECS

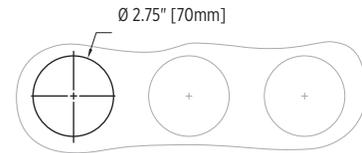
Input Voltage	9-30V DC
Input Power	6 Watts
Lumens	Under Test
Efficiency	Under Test
Beam Angle	90°
Operating Temp	-20°C to 40°C
Max. Case Temp	50°C
IP Rating	IP67
Wiring	18" Twisted 18AWG
Housing	Stainless Steel Trim, Anodized Aluminum Housing
Lens	Tempered Glass w/ Diffuser

DIMENSIONS

FIXED OPTIONS

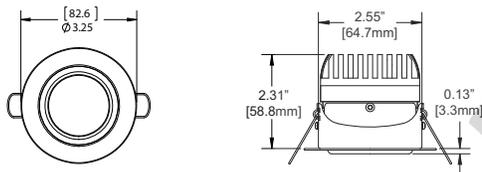


MOUNTING

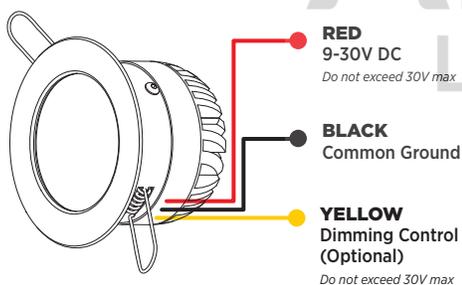


For Double or Triple applications, bore the appropriate number of holes 3.15" apart on center.

SWIVEL OPTION



WIRE FUNCTION



LIGHTLINK™ See wiring examples below.

Using 3rd Party Multiplex & PWM Dimmers:

This light fixture is compatible 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 300Hz (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.

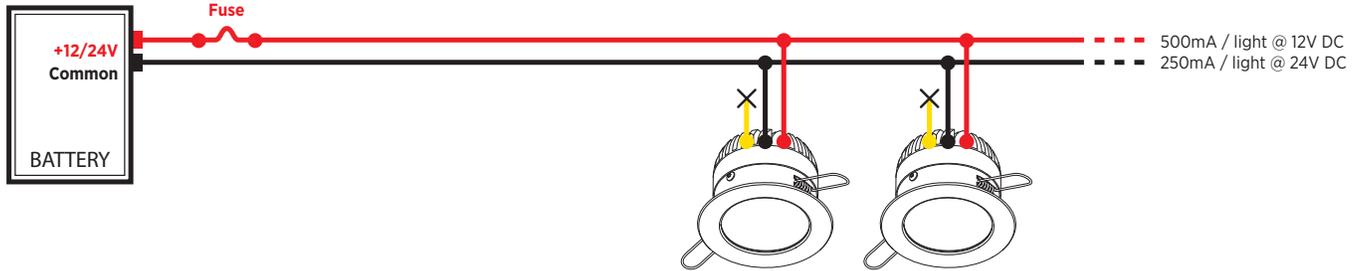


Electrical Protection

- Dim Line Protected to 30V DC
- Reverse Polarity Protection
- Auto-Reset Fuse

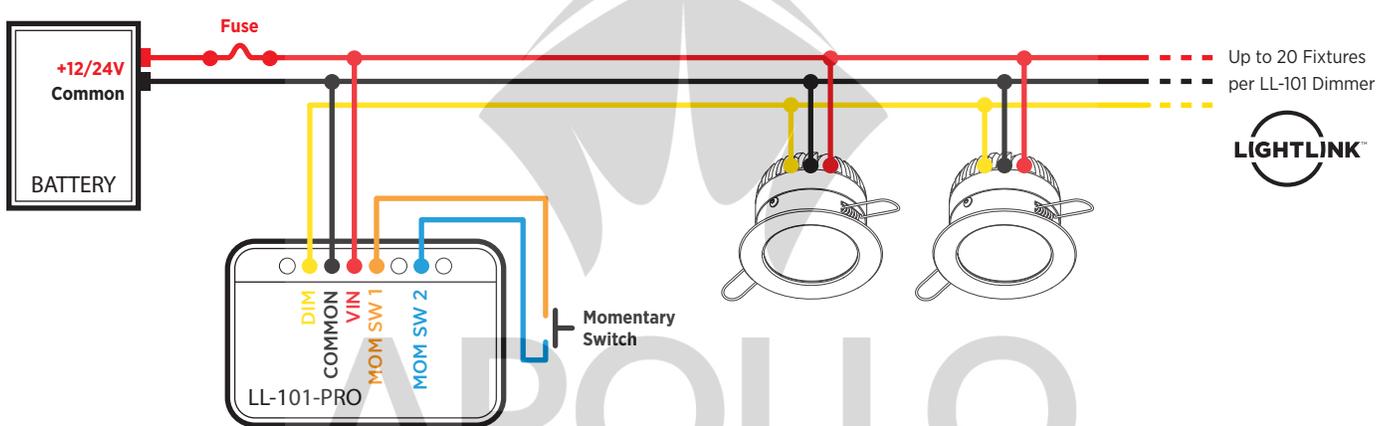
WIRING EXAMPLE

12/24V DC NO DIMMING



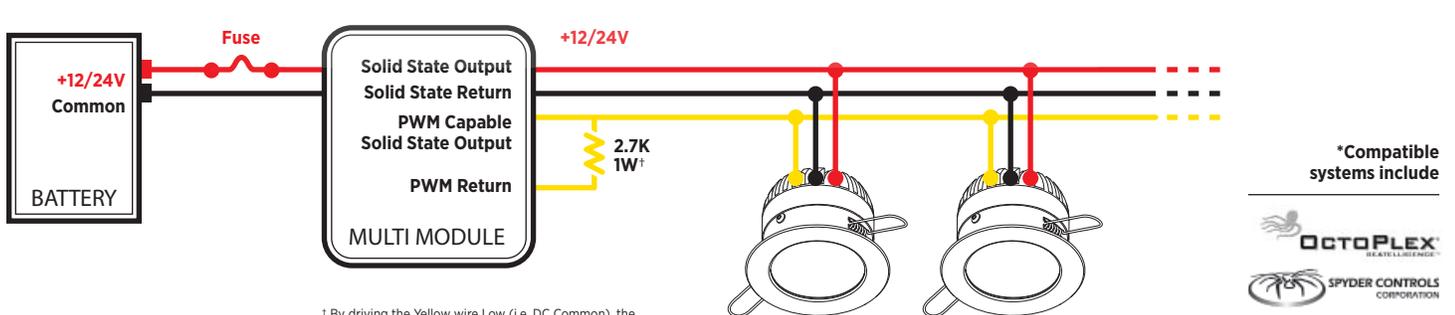
WIRING EXAMPLE

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).

EmpirBus™
VANTAGE