i2Systems

Simply
Advanced.™

CLIENT

PROJECT

★★★★★
MADE IN THE
USA

RANGE OF BEZEL OPTIONS

Round, Square, Square / Square

Spring Mount Installation
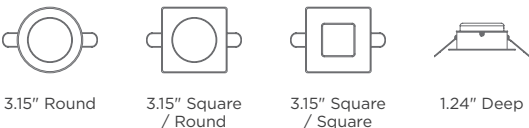
3 COLORS, 1 FIXTURE
Simple 2 wire hookup

AWARD-WINNING TECHNOLOGY
i2Systems Tri-Color i2Wave™ Technology is an IBEX Innovation Award Winner.

Apeiron™ Tri-Light

3-COLOR MARINE-GRADE LED DOWNLIGHT

The Apeiron Tri-Light offers a big lighting effect with minimal effort. With patented i2Wave™ Technology, do-it-yourself installation is a breeze. Easily replaces single color Arch, Hardtop and Cockpit lights. Great for retrofits.

3.15″ Round

3.15″ Square / Round

3.15″ Square / Square

1.24″ Deep

FEATURES

3 Colors with Only 2 Wires
Patented and award-winning i2Wave™ technology, allows users to change between 3 colors of light by simply toggling the power to the fixture.

Great for Retrofits
Small in size and simple to install, fixture mounts to most any marine surface - inside and out.

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.

MARINE GRADE   LED   REFIT FRIENDLY

CE   FC   IP67   RoHS COMPLIANT 2002/95/EC   ★★★★★ MADE IN THE USA

Typical Applications
- Hardtop
- Arch
- Cockpit
- Courtesy
- Pilot House

Quick Specs

1.5W	Power
120°	Beam Angle

LED Color
- 3000°K Warm White
- 6500°K Cool White
- Green
- Blue
- Cyan
- Red

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)**

Apeiron™ Tri-Light

MODEL A1120 | 3-COLOR MARINE-GRADE LED DOWNLIGHT

The Apeiron Tri-Light is an IP67 recessed marine-grade LED downlight. With i2Systems patented and award winning i2Wave™ technology, users are able to change between 3 colors of light by simply toggling the power to the fixture. 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.

US 8,013,538 | US 8,436,553
Additional Patents Pending

CE IP 67 FC RoHS COMPLIANT 2002/95/EC

CUSTOMER COMPANY	CUSTOMER CONTACT
P.O.#	CUSTOMER PHONE #

SHIPPING ADDRESS

FIXTURE BUILDER

A1120Z – [ ] [ ] | [ ] [ ] [ ]
Color 1 Color 2 Color 3

FIXTURE TYPE

Apeiron Tri-Light

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

LED COLOR (PICK 3*)

A Cool White 6500⁰K
C Warm White 3000⁰K
D Green
E Blue
G Cyan
H Red

When specifying Tri-Light colors, the LED color order specified above is the order that the colors will cycle. Some color configurations may require a minimum order.
Common stocked colors are:
Red; Cool White; Blue
Red; Cool White; Green
Red, Warm White; Blue
Red, Warm White; Green

ACCESSORIES

TOGGLE SWITCH

PN	SWITCHES
MS24523-29	Sealed Toggle Switch
46000	Toggle Switch

Toggle switches are optional. For retrofits, provided you have a power on/off switch for your lights, no additional switches or equipment are required.
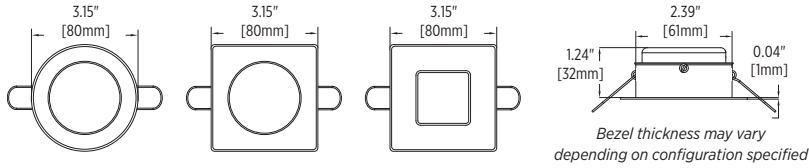
TRIM RING EXTENDERS

PN	FINISH
3120177-11	Chrome
3120177-21	Gold
3120177-31	White
3120177-41	Nickel
3120177-51	Off-White

Extends round bezel from 3.15" to 3.75" diameter.

QUICK SPECS

Input Voltage	9-30V DC
Input Power	1.5 Watts
Beam Angle	120° Full Angle
Operating Temp	-20°C to 40°C
Max. Case Temp	50°C
IP Rating	IP67
Wiring	18" Twisted 18 AWG
Housing	Stainless Steel Trim, Anodized Aluminum Housing
Lens	Tempered Glass w/ Diffuser

Simply Advanced.™

Apeiron™ Tri-Light

MODEL A1120 | 3-COLOR MARINE-GRADE LED DOWNLIGHT

DIMENSIONS

3.15"
[80mm]

3.15"
[80mm]

3.15"
[80mm]

2.39"
[61mm]

1.24"
[32mm]

0.04"
[1mm]

*Bezel thickness may vary
depending on configuration specified*

MOUNTING

Ø 2.75" [70mm]

WIRE FUNCTION

RED
9-30V DC
Do not exceed 30V max

BLACK
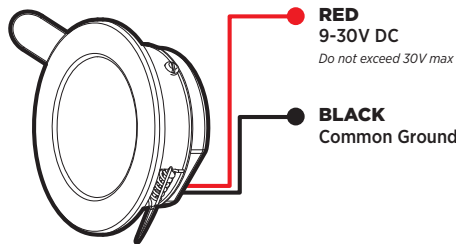Common Ground
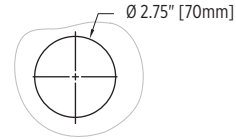
Using Tri-Light Fixtures

To cycle through colors: using your on/off switch or a normally closed momentary switch, turn the fixture(s) off, then back on again quickly (i.e. less than 1 second). When the power returns, the fixture(s) will power on the next color.

Color order is: Color 1, Color 2, Color 3, Off, Color 1, Color 2, etc.

When using multiple fixtures, should the fixtures ever fail to synchronize, turn the fixtures off for a prolonged period (i.e. more than 3 seconds). When power returns, all fixtures will default back to their initial state.

Upon initial power on, fixtures default to the off-state.

PATENTED TECHNOLOGY

PROTECTION FEATURES

Electrical Protection

• Transient Protection
• Reverse Polarity Protection

WIRING EXAMPLE

12/24V DC WITH MOMENTARY SWITCH

Fuse

**SPST Normally Closed (NC)
Momentary (MOM) Switch**

+12/24V
Common

BATTERY

125mA / light @ 12V DC
63mA / light @ 24V DC

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