



Apeiron A2163

LED Recessed Light for Yacht Lighting

PRODUCT HIGHLIGHTS

- 8 Watts
- 18-30V DC Input
- 0 to 100% Dimming
- 3" Diameter
- Stainless Steel Construction
- IP67 Rated

TYPICAL APPLICATIONS

- Megayacht Lighting
- General Lighting

SPECIFICATIONS

SUITABLE ENVIRONMENTS



LED COLORS

- Cool White
- Neutral White
- Warm White

BEZEL FINISHES

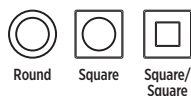
PVD Coated:

- Polished Chrome
- Polished Gold
- Brushed Nickel

Powder Coated:

- White
- Off-White
- Black

BEZEL SHAPES



Custom Bezel Trims Available, Min Order 100 pcs

BEAM ANGLES



CERTIFICATIONS



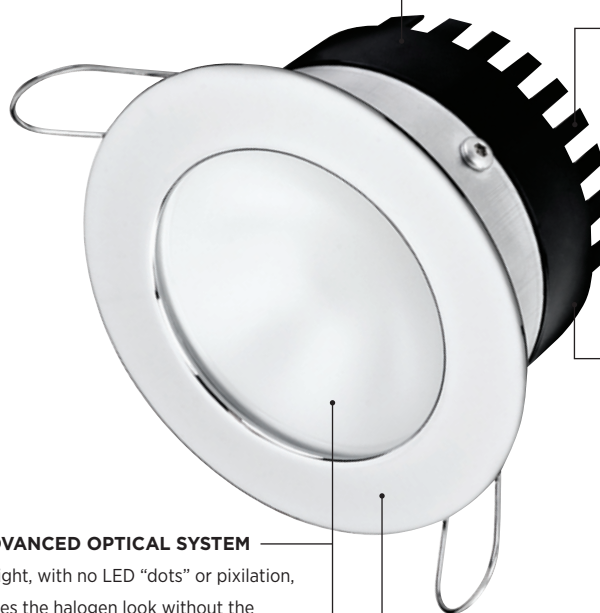
Features

■ 0 TO 100% DIMMING WITH YOUR DIMMER

With the use of i2Systems LightLink technology, compatible dimming interfaces include most leading halogen/incandescent high voltage triac style dimmers, 0 to 10V control, and similar controls. In addition, through the use of most Multiplex type systems, the A2163 may be dimmed directly without external controllers. Contact one of our product engineers with your system requirements and we are happy to help.

■ ACTIVE THERMAL MANAGEMENT

The A2163 fixture will dim upon overheating, protecting the LEDs and your investment.



■ RUGGED DESIGN & IP67

Stainless Steel bezel & springs, Anodized Aluminum heat sink housing, electronic regulation to the LED source, and sealed IP67 design ensure product longevity. Truly an engineered solution.

■ SMARTDRIVER INTEGRATED

i2Systems SmartDriver technology is integrated directly inside the fixture, allowing integration to both high-volt (using a power converter) and low-volt DC battery systems. One light may be used for both general lighting and on the battery-backup circuit.

■ ADVANCED OPTICAL SYSTEM

Even light, with no LED "dots" or pixilation, provides the halogen look without the intense heat and high power load.

■ BEAUTIFUL 2800K WARM WHITE

The Warm White LED never has looked as good as it does now. Available in 2800K and with high color rendering, the A2163 offers beautiful light ready to complement any yacht interior. With i2Systems AccuWhite technology, you can be sure from light to light and batch to batch, that the quality of light and color remain constant.

■ STAINLESS STEEL TRIM, CUSTOMIZABLE

Standard offering includes three bezel shapes and six finish options. Optionally, send us a sketch of your preferred bezel design and we'll make it for you (minimum order of 100 units applies). Physical Vapor Deposition (PVD) coating provides a very durable surface finish which will not tarnish or discolor.

*Refer to Specifications table on page 2 for additional information.

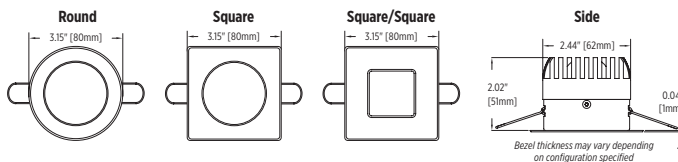
SPECIFICATIONS

ITEM	PARAMETER	VALUE
Electrical	Input Power	8 Watts*
	Input Voltage Range	18-30V DC
	Integrated Driver	✓
	0-100% Dimming	✓
	Protection Features	Active Thermal Management, Protected Dim Line, Transient Protection, Reverse Polarity, Autoreset Fuse
Optical	Emitting Angle	120° Full Angle
	LED Color	Cool White, Neutral White, Warm White
	LED Colors per Fixture	1
	Class	Class 2 LED Product
	Physical	Dimensions
Housing Construction	Aluminum, Stainless Steel	
Lens Material	Tempered Glass, Frosted	
Bezel Shapes	Round, Square, Square/Square	
Finishes	PVD Coated: Polished Chrome, Polished Gold, Brushed Nickel Powder Coated: White, Off-White, Black	
Mounting Method	Spring Clips, Stainless Steel	
Operating Temp. Range	-20°C to 30°C, Max. Case Temp (T _c): 60°C	
Humidity	0 to 95%, non-condensing	
Environment	Dry, Damp, Wet**	
Certification	FCC Part 15, RoHS Compliant, IP67	

*Due to constant power design, input current (I_{in}) will vary depending on input voltage. Be sure to size wire awg accordingly for worst case input voltage.

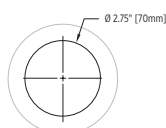
**Product is rated for exterior applications, however it is not rated for submersible applications and should not be mounted in conditions where there is, or is a possibility of, standing water. When installing in wet or damp locations, it is good practice to seal all fixtures and junction boxes with electronics grade RTV silicone sealant to ensure that moisture cannot enter or accumulate in wiring compartments, cables, or other electrical parts. Product should not be installed in extreme locations, including but not limited to those outside of its temperature/humidity ratings and/or applications where product is subject to water runoff or downspouts.

DIMENSIONS

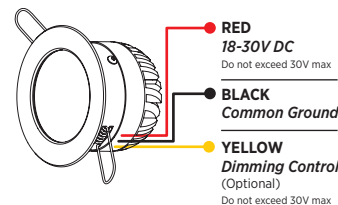


Custom Bezel Trims Available, Min Order 100 pcs

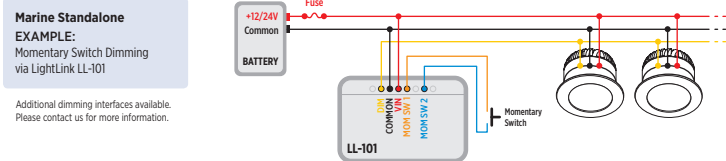
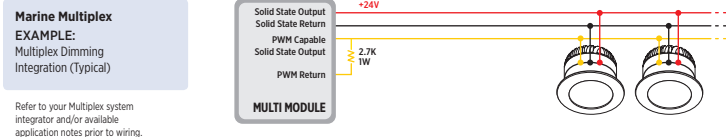
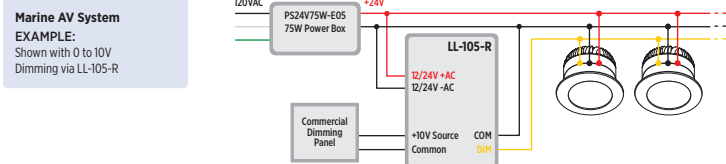
MOUNTING



WIRE FUNCTION



INSTALLATION EXAMPLES



ORDERING NUMBER

FACTORY NUMBER EXAMPLE: **A2163A-12CAA3**
 USER SELECTED OPTION Polished Chrome Finish, Square Bezel, Warm White LED

A2163A - * * * **XXX**

Bezel Finish
 PVD Coated:
 1 Polished Chrome
 2 Polished Gold
 3 Brushed Nickel
 Powder Coated:
 3 White
 5 Off-White
 6 Black

Bezel Shape
 1 Round
 2 Square
 4 Square/Square
 Custom Bezel Trims available. Contact us for more information.

LED Color
 A Cool White
 B Neutral White
 C Warm White

Color Bin Code

ACCESSORIES

KEYWORD	ITEM NUMBER	DESCRIPTION	FIXTURE MAX
Trim Ring Extender	3120177-11 (Chrome) 3120177-21 (Gold) 3120177-31 (White) 3120177-41 (Nickel) 3120177-51 (Off-White)	Extends round bezel diameter to 3.75" for retrofit applications requiring a larger bezel.	
LightLink LL-101	LL-101 Series	Dimming Controller, Multiple Interfaces, including Momentary (MOM) Switch Interface.	Dims up to 20 Apeiron A2163
LightLink LL-105-R	LL-105-R Series	Dimming Controller, Multiple Interfaces including 0 to 10V Control.	Dims up to 50 Apeiron A2163
LightLink LL-205	LL-205 Series	Dimming Controller, Interfaces with Incandescent Type Triac Dimmers.	Dims up to 50 Apeiron A2163
E05 Power Box, 75W	PS24V75W-E05	Power Box, 75W, 120/240/277VAC Input, 24VDC Output, Steel Enclosure.	Powers up to 9 Apeiron A2163
OEM Power Supply, 100W	PS24V100W-01	Power Box, 100W, 120/240/277VAC Input, 24VDC Output.	Powers up to 9 Apeiron A2163

Battery Backup power supplies are available. Visit www.i2systems.com