



Apeiron A2163

LED Recessed Light for Yacht Lighting

PRODUCT HIGHLIGHTS

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

TYPICAL APPLICATIONS

- Megayacht Lighting

SPECIFICATIONS

SUITABLE ENVIRONMENTS



LED COLORS

- Cool White
- Neutral White
- Warm White

BEZEL FINISHES

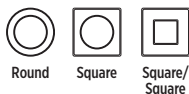
PVD Coated:

- 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



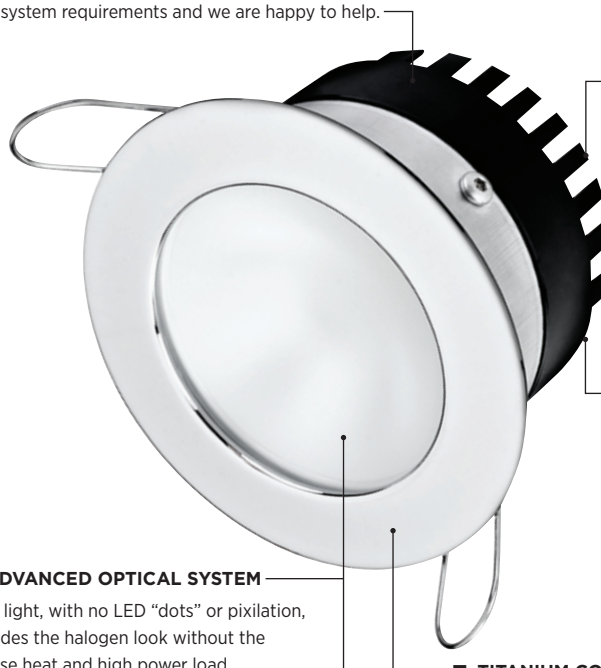
Features

■ 0 TO 100% DIMMING WITH YOUR DIMMER

With the use of i2Systems LightLink technology, compatible dimming interfaces include most leading halogen/incandescent 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

Active Thermal Management maximizes the A2163's light output while maintaining a normal fixture operating temperature.



■ 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.

■ TITANIUM COATED TRIM, CUSTOMIZABLE

Standard offering includes three bezel shapes and six finish options, including PVD titanium coating. Bezel material is stainless steel.

■ BEAUTIFUL 2700K WARM WHITE

The Warm White LED has never looked so good. Available in 2700K 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.



Custom Bezel Example

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

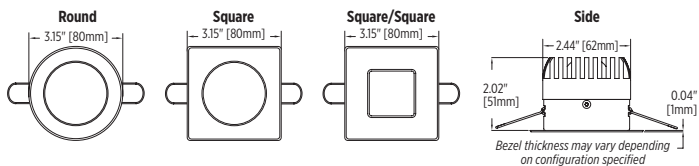
SPECIFICATIONS

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	Refer to drawings on right
	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, Class A, 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.

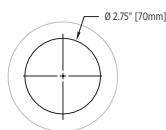
**Product is rated for exterior applications, however it is not rated for submersible applications and should not be mounted in conditions where there is, or is a possibility of, standing water. When installing in wet or damp locations, it is good practice to seal all fixtures and junction boxes with 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

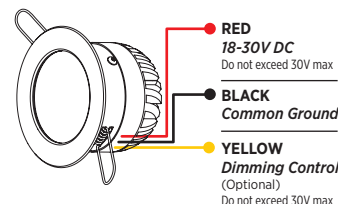


Custom Bezel Trims Available, Min Order 100 pcs

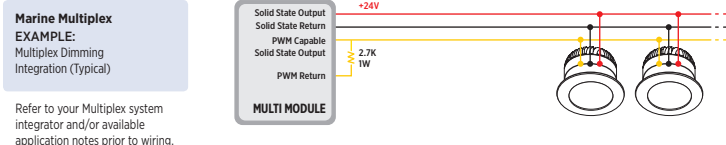
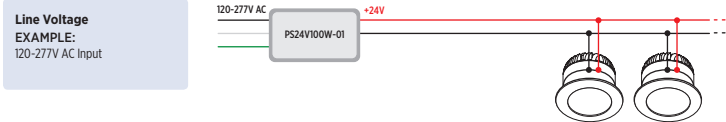
MOUNTING



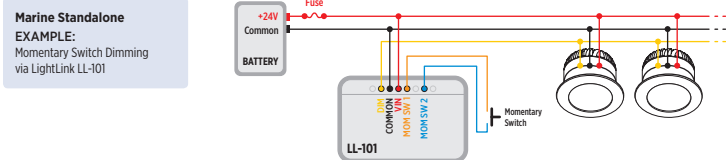
WIRE FUNCTION



INSTALLATION EXAMPLES



Refer to your Multiplex system integrator and/or available application notes prior to wiring.



Additional dimming interfaces available. Please contact us for more information.

ACCESSORIES

KEYWORD	ITEM NUMBER	DESCRIPTION	FIXTURE MAX
Trim Ring Extender	3120177-11 (Chrome)	Extends round bezel diameter to 3.75" for retrofit applications requiring a larger bezel.	
	3120177-21 (Gold)		
	3120177-31 (White)		
	3120177-41 (Nickel)		
	3120177-51 (Off-White)		
	3120177-61 (Black)		
LightLink LL-101	LL-101 Series	Dimming Controller with Momentary (MOM) Switch Interface.	Dims up to 20 Apeiron A2163
LightLink LL-105-R	LL-105-R	Dimming Controller, Multiple Interfaces including 0 to 10V Control.	Dims up to 50 Apeiron A2163
LightLink LL-205	LL-205 Series	Dimmer, Multiple Interfaces including 0 to 10V Control.	Dims up to 50 Apeiron A2163
Power Supply	PS24V100W-01	Power Supply, 100W, 120-277VAC Input, 24VDC Output.	Powers up to 9 Apeiron A2163

ORDERING NUMBER

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

A2163A - * * * **XXX**

Product Type **Bezel Finish** **Bezel Shape** **LED Color** **Color Bin Code**

PVD Coated:
 1 Polished Chrome 1 Round A Cool White
 2 Polished Gold 2 Square B Neutral White
 4 Brushed Nickel 4 Square/Square C Warm White

Powder Coated:
 3 White Custom Bezel Trims available. Contact us for more information.
 5 Off-White
 6 Black