



Apeiron HB

LED Recessed Light

PRODUCT HIGHLIGHTS

- 4 Watts
- 9-30V DC Input
- 0 to 100% Dimming
- 3" Diameter
- Stainless Steel Construction
- Exterior Rated

TYPICAL APPLICATIONS

- Marine / Transit Lighting

PRODUCT BEING REPLACED
Refer to Apeiron A1110 for new designs

SPECIFICATIONS

SUITABLE ENVIRONMENTS



LED COLORS

- Cool White
- Warm White

BEZEL FINISHES

PVD Coated:

- Polished Chrome
- Polished Gold
- Brushed Nickel

Powder Coated:

- White
- Off-White

BEZEL SHAPES



Round

BEAM ANGLES



CERTIFICATIONS



Features

■ ADVANCED OPTICAL SYSTEM

120° full angle. Even light, no LED "dots" or pixilation.

■ 0 TO 100% DIGITAL DIMMING

Connection with i2Systems LightLink Series allows simple and seamless integration to most of today's conventional dimming systems.

■ RUGGED DESIGN

Stainless steel / anodized aluminum construction, sealed design, and electronic regulation to the LED source ensure product longevity.

■ NO HEAT OR UV IN THE LIGHT BEAM

With no heat in the light beam, the fixture lens remains much cooler than halogen sources, allowing safe and 'burn free' operation.

■ STAINLESS STEEL TRIM, WITH PVD

Round with five finish options. Physical Vapor Deposition (PVD) coating provides a very durable surface finish which will not tarnish or discolor.

■ SPRING CLIP MOUNTING

Spring clip mounting offers simple installation while ensuring a secure fit when installed in dynamic applications.

Exclusive Technology

■ SMARTDRIVER™ INTEGRATED

i2Systems SmartDriver technology is integrated directly inside of every fixture. Connect the Apeiron to a wide range of voltages without sacrificing light output or lifetime. No external drivers are required and wiring is made simple.

■ ACCUWHITE™

i2Systems AccuWhite technology allows integration of Apeiron fixtures to traditional applications without sacrifice in color temperature (CCT) or color rendering (CRI). AccuWhite ensures accurate and consistent color matching from fixture to fixture and across product lines.

■ LIGHTLINK™ COMPATIBLE

i2Systems LightLink controllers represent the next generation in lighting control and connectivity. LightLink modules provide seamless integration of today's commercial and residential dimming systems through a wide variety of desirable interfaces.

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

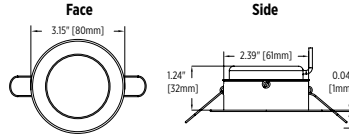
SPECIFICATIONS

ITEM	PARAMETER	VALUE
Electrical	Input Power	4 Watts*
	Input Voltage Range	9-30V DC
	Integrated Driver	✓
	0-100% Dimming	✓
	Protection Features	Transient Protection, Reverse Polarity, Autoreset Fuse
Optical	Emitting Angle	120° Full Angle
	LED Color	Cool 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
	Finishes	PVD Coated: Polished Chrome, Polished Gold, Brushed Nickel Powder Coated: White, Off-White
	Mounting Method	Spring Clips, Stainless Steel
	Operating Temp. Range	-20°C to 40°C, Max. Case Temp (T _C): 50°C
	Humidity	0 to 95%, non-condensing
	Environment	Dry, Damp, Wet** (IP67)
	Certification	CE 94/25/EC, FCC Part 15, Class B, RoHS Compliant

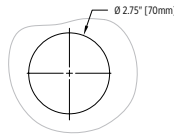
*Due to constant power design, input current (In) will vary depending on input voltage. Be sure to size wire awg accordingly for worst case input voltage.

**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.

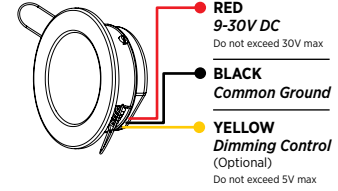
DIMENSIONS



MOUNTING

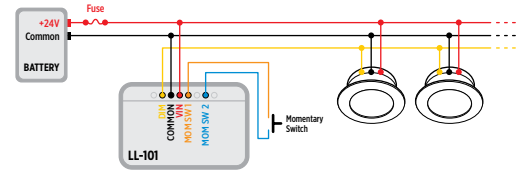


WIRE FUNCTION



INSTALLATION EXAMPLE

Marine / Transportation
 EXAMPLE:
 Momentary Switch Dimming
 via LightLink LL-101



ORDERING NUMBER

FIXED FACTORY NUMBER EXAMPLE: **AP-2HB-SDI-21**
 USER SELECTED OPTION Warm White LED, Polished Gold, Round Bezel

AP - **Y** **HB** - **SDI** - **Z** **F**

LED Color
 ○ 1 Cool White
 ○ 2 Warm White

Bezel Finish
 ○ 1 Polished Chrome
 ○ 2 Polished Gold
 ○ 4 Brushed Nickel

Powder Coated:
 ○ 3 White
 ○ 5 Off-White

Bezel Shape
 ○ 1 Round

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)		
LightLink LL-101	LL-101 Series	Dimming Controller, Momentary (MOM) Switch Interface.	Dims up to 20 Apeiron HB
LightLink LL-105	LL-105 Series	Dimming Controller, Multiple Interfaces including 0 to 10V Control.	Dims up to 20 Apeiron HB
LightLink LL-205	LL-205 Series	Dimming Controller, Multiple Interfaces including 0 to 10V Control.	Dims up to 20 Apeiron HB
45W Power Supply Enclosure	PS24V45W-E01D	Power Supply Enclosure, 45W, 120/240VAC Input, 24VDC Output, Steel Enclosure w/ Knockouts & Terminal Blocks.	Powers up to 5 Apeiron HB
75W Power Supply Enclosure	PS24V75W-E01D	Power Supply Enclosure, 75W, 120/240VAC Input, 24VDC Output, Steel Enclosure w/ Knockouts & Terminal Blocks.	Powers up to 7 Apeiron HB
75W Outdoor Power Supply Enclosure	PS24V75W-E02	Outdoor Power Supply Enclosure, 75W, 120/240VAC Input, 24VDC x 1 Output, Stainless Steel NEMA 4 Enclosure.	Powers up to 7 Apeiron HB
150W Outdoor Power Supply Enclosure	PS24V150W-E02	Outdoor Power Supply Enclosure, Dual Power Supply, 75W x 2, 120/240VAC Input, 24VDC x 2 Output, Stainless Steel NEMA 4 Enclosure.	Powers up to 14 Apeiron HB