

LED Recessed Light with Triac Dimming
for General Lighting



Apeiron A1130

LED Recessed Light with Triac Dimming for General Lighting

PRODUCT HIGHLIGHTS

- 4 Watts
- 12-15V AC Input
- Triac Compatible Dimming
- 3" Diameter
- Stainless Steel Construction
- Damp Location, IC Rated

TYPICAL APPLICATIONS

- Soffit Lighting
- Residential Lighting
- Automated Equipment Lighting
- Food Service Lighting
- Wine Cellar Lighting
- Furniture / Millwork Lighting

SPECIFICATIONS

SUITABLE ENVIRONMENTS



Dry Damp

LED COLORS

- Cool White
- Neutral White
- Warm White

BEZEL FINISHES

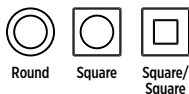
PVD Coated:

- Polished Chrome
- Polished Gold
- Brushed Nickel

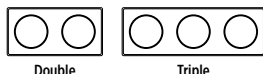
Powder Coated:

- White
- Off-White

BEZEL SHAPES



Round Square Square/Square



Double Triple

BEAM ANGLES



120°
Full Angle

CERTIFICATIONS



UL Listing for Single Fixture only. Double and Triple Fixtures have not been tested to UL Standards.

Features

■ ADVANCED OPTICAL SYSTEM

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

■ 0 TO 100% DIMMING

Dimming via Triac style dimmers allows simple and seamless integration to many of today's conventional line voltage dimmers.

■ 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. In addition, no UV means reduced risk of fading or deteriorating products or artifacts on display.

■ STAINLESS STEEL TRIM, WITH PVD

Round, square, square/square, double or triple, 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.

■ TRIAC COMPATIBLE DIMMING

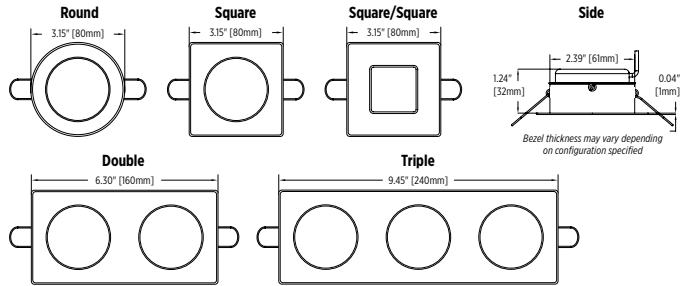
Connection to a 12V AC transformer and conventional Triac-style, line-voltage-type dimmers allows simple 2-wire dimming. No external controllers are required.

SPECIFICATIONS

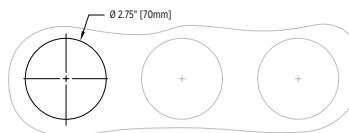
ITEM	PARAMETER	VALUE
Electrical	Input Power	4 Watts* (single fixture)
	Input Voltage Range	12-15V AC
	Integrated Driver	✓
	0-100% Dimming	✓
	Protection Features	Transient Protection, Autoreset Fuse
Optical	Emitting Angle	120° Full Angle
	LED Color	Cool White, Neutral White, Warm White
	LED Colors per 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, Double, Triple
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 (Tc): 50°C
Humidity		0 to 95%, non-condensing
Environment		Dry, Damp
Certification		CE, FCC Part 15, Class B, cULus (Single Fixtures Only), 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.

DIMENSIONS

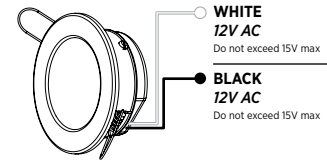


MOUNTING



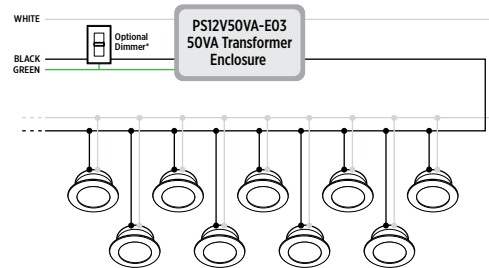
For Double or Triple applications, bore the appropriate number of holes 3.15" apart on center.

WIRE FUNCTION



INSTALLATION EXAMPLE

Residential / Commercial EXAMPLE: Shown with 50VA transformer and optional dimmer.



***NOTE:** Optional generic line voltage dimmer shown. Always install line voltage rated dimmers to the primary side of the 12V AC transformer. Low voltage dimmers or dimmers installed on the secondary of the 12V AC transformer may provide undesirable results. Use with a magnetic transformer only. Electronic transformers may provide undesirable result.

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)		
30VA Transformer Enclosure	PS12V30VA-E03	Power Supply Enclosure, 30VA, 120VAC Input, 12VAC Output, Steel Enclosure w/ Knockouts and Terminal Blocks.	Powers up to 5 Apeiron A1130
50VA Transformer Enclosure	PS12V50VA-E03	Power Supply Enclosure, 50VA, 120VAC Input, 12VAC Output, Steel Enclosure w/ Knockouts and Terminal Blocks.	Powers up to 9 Apeiron A1130
SCR Type Dimmers	Visit i2systems.com for a list of tested and approved SCR/Triac Style Dimmers.		

ORDERING NUMBER

FIXED FACTORY NUMBER EXAMPLE: **A1130Z-12CXXX**
 USER SELECTED OPTION Polished Chrome Finish, Square Bezel, Warm White LED

A1130Z - * * *

Bezel Finish

- PVD Coated:**
- 1 Polished Chrome
 - 2 Polished Gold
 - 4 Brushed Nickel

- Powder Coated:**
- 3 White
 - 5 Off-White

Bezel Shape

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

LED Color

- A Cool White
- B Neutral White
- C Warm White