

LED Recessed Light for
Elevator Cab Illumination

Apeiron A1160

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PRODUCT HIGHLIGHTS

- 5 Watts
- 9-30V DC Input
- Active Thermal Management
- 2 Meter Cable for Easy Install
- 3" Diameter
- Stainless Steel Construction

TYPICAL APPLICATIONS

- Elevator Cab Lighting

SPECIFICATIONS

SUITABLE ENVIRONMENTS



LED COLORS

- Cool White
- Neutral White
- Warm White

BEZEL FINISHES

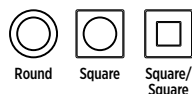
PVD Coated:

- Polished Chrome
- Polished Gold
- Brushed Nickel

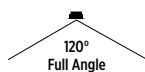
Powder Coated:

- White
- Off-White
- Black

BEZEL SHAPES



BEAM ANGLES



CERTIFICATIONS



Features

■ ADVANCED OPTICAL SYSTEM

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

■ RUGGED DESIGN

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

■ 2 METER CABLE WITH FERRULES

Fixtures are configured with a 2 meter cable for simple installation, eliminating the need to install wire harnesses into the cab ceiling. Each fixture cable enables a straight run to the power supply enclosure and is terminated with wire ferrules for simple terminal block connection.

■ 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, elevator cabs will remain cooler through the course of normal operation.

■ STAINLESS STEEL TRIM, WITH PVD

Round, square or square/square, six 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 elevator applications.

Exclusive Technology

■ ACTIVE THERMAL MANAGEMENT

Active Thermal Management (ATM) continuously monitors, and when required, thermally regulates the fixture. If for any reason the fixture begins to overheat, ATM will reduce the LED power level in order to protect the LED source. Smooth dimming ensures this background task does not interfere with normal operation of the fixture.

■ 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.

■ SMARTDRIVER™ INTEGRATED

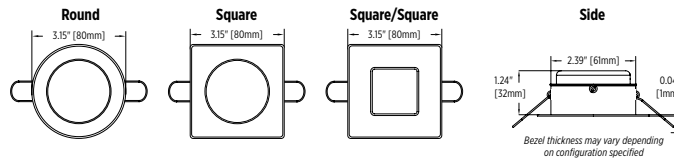
i2Systems SmartDriver technology is integrated directly inside of every fixture. Connect the Apeiron to a wide range of voltages without sacrificing light output or lifetime. No external drivers are required and wiring is made simple.

SPECIFICATIONS

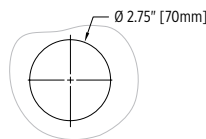
ITEM	PARAMETER	VALUE
Electrical	Input Power	5 Watts*
	Input Voltage Range	9-30V DC
	Integrated Driver	✓
	0-100% Dimming	
	Protection Features	Active Thermal Management, Transient Protection, Reverse Polarity, Autoreset Fuse
Optical	Emitting Angle	120° Full Angle
	LED Color	Cool White, Neutral White, 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 40°C, Max. Case Temp (Tc): 50°C
Humidity		0 to 95%, non-condensing
Environment		Dry, Damp
Certification		CE, FCC Part 15, cULus (US & Canada), 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.

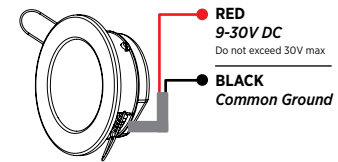
DIMENSIONS



MOUNTING

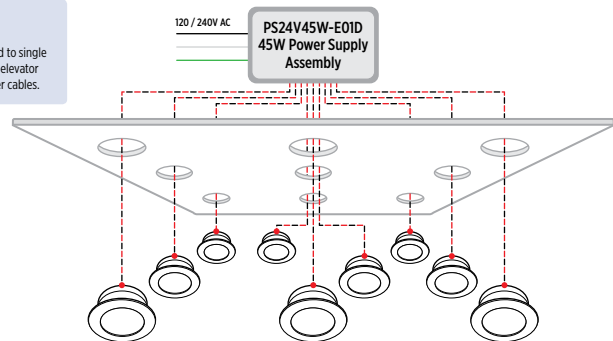


WIRE FUNCTION



INSTALLATION EXAMPLE

Elevator Cab
EXAMPLE:
9 A1160 Apeirons wired to single power supply through elevator ceiling. All with 2 meter cables.



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-101-04	LL-101-04 Series	Controller for Battery Management. Required when using a Power Supply w/ Battery Backup.	
45W Power Supply Enclosure	PS24V45W-E01D	Power Supply Enclosure, 45W, 120/240VAC Input, 24VDC Output, Steel Enclosure w/ Knockouts & Terminal Blocks.	Powers up to 9 Apeiron A1160
75W Power Supply Enclosure	PS24V75W-E01D	Power Supply Enclosure, 75W, 120/240VAC Input, 24VDC Output, Steel Enclosure w/ Knockouts & Terminal Blocks.	Powers up to 15 Apeiron A1160
120W Power Supply Enclosure	PS24V120W-E01D	Power Supply Enclosure, 120W, 120/240/277VAC Input, 24VDC Output, Steel Enclosure w/ Knockouts and Terminal Blocks.	Powers up to 20 Apeiron A1160
45W Power Supply w/ Battery Backup	PS24V45W-E06E	Battery Backup Power Supply Enclosure, 45W, 120/240VAC Input, 24VDC Output, Steel Enclosure w/ Knockouts and Terminal Blocks.	Powers up to 9 Apeiron A1160
75W Power Supply w/ Battery Backup	PS24V75W-E06E	Battery Backup Power Supply Enclosure, 75W, 120/240VAC Input, 24VDC Output, Steel Enclosure w/ Knockouts and Terminal Blocks.	Powers up to 15 Apeiron A1160
120W Power Supply w/ Battery Backup	PS24V120W-E06E	Battery Backup Power Supply Enclosure, 120W, 120/240/277VAC Input, 24VDC Output, Steel Enclosure w/ Knockouts and Terminal Blocks.	Powers up to 20 Apeiron A1160

ORDERING NUMBER

FIXED FACTORY NUMBER EXAMPLE: **A1160Z-11BXXX**
 USER SELECTED OPTION Polished Chrome Finish, Round Bezel, Neutral White LED

A1160Z - * * * **XXX**

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

Bezel Shape
 1 Round
 2 Square
 4 Square/Square

LED Color
 A Cool White
 B Neutral White
 C Warm White