

LED Recessed Light for
General Lighting



R2160

LED Recessed Light for General Lighting

PRODUCT HIGHLIGHTS

- 5 Watts
- 9-30V DC Input
- Active Thermal Management
- 2 Meter Cable for Easy Install
- Snap-In Installation
- Aluminum Construction

TYPICAL APPLICATIONS

- Transit Lighting
- Food Service Lighting
- Furniture / Millwork Lighting

SPECIFICATIONS

SUITABLE ENVIRONMENTS



Dry Damp

LED COLORS

- Cool White
- Neutral White
- Warm White

BEZEL FINISHES



Brushed Aluminum

BEZEL SHAPES



Rectangle

BEAM ANGLES



120°
Full Angle

CERTIFICATIONS



Features

■ ADVANCED OPTICAL SYSTEM

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

■ RUGGED DESIGN

Stainless steel / anodized aluminum construction 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, in some cases eliminating the need to install an additional wire harness.

■ 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.

■ SNAP-IN MOUNTING

Spring-loaded snap-in mounting offers simple installation, moderate theft prevention, and ensures a secure fit in 1mm thick panels.

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.

■ SMARTDRIVER™ INTEGRATED

i2Systems SmartDriver technology is integrated directly inside of every fixture. Connect the R2160 to a wide range of voltages without sacrificing light output or lifetime. No external drivers are required and wiring is made simple.

■ ACCUWHITE™

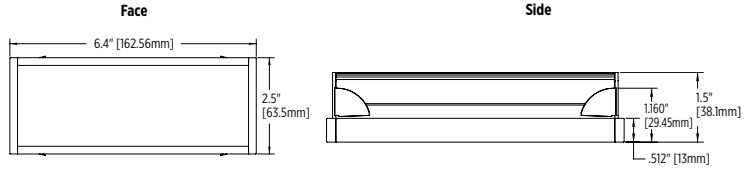
i2Systems AccuWhite technology allows integration of R2160 fixtures to traditional applications without sacrifice in color temperature (CCT) or color rendering (CRI). AccuWhite ensures accurate and consistent color matching from fixture to fixture and across product lines.

SPECIFICATIONS

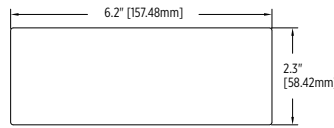
ITEM	PARAMETER	VALUE
Electrical	Input Power	5 Watts*
	Input Voltage Range	9-30V DC
	Integrated Driver	✓
	0-100% Dimming	
	Protection Features	Active Thermal Management, Transient Protection, Reverse Polarity, Autoreset Fuse
Optical	Emitting Angle	120° Full Angle
	LED Color	Cool White, Neutral White, Warm White
	LED Colors per Fixture	1
	Class	Class 2 LED Product
Physical	Dimensions	Refer to drawings on right
	Housing Construction	Aluminum
	Lens Material	Tempered Glass, Frosted
	Bezel Shapes	Rectangle
	Finishes	Brushed Aluminum
	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
	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.

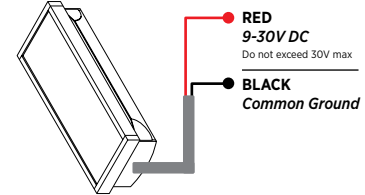
DIMENSIONS



MOUNTING

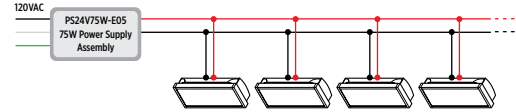


WIRE FUNCTION



INSTALLATION EXAMPLE

General Lighting
EXAMPLE:
4 R2160 fixtures wired to a single 75W power supply.



ACCESSORIES

KEYWORD	ITEM NUMBER	DESCRIPTION	FIXTURE MAX
75W Power Supply Enclosure	PS24V75W-E05	Power Supply Enclosure, 75W, 120/240/277VAC Input, 24VDC Output, Steel Enclosure.	Powers up to 15 R2160 Fixtures
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 R2160 Fixtures
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 R2160 Fixtures
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 R2160 Fixtures
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 15 R2160 Fixtures
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 30 R2160 Fixtures

ORDERING NUMBER

FIXED FACTORY NUMBER EXAMPLE: **R2160Z-40BXXX**
 USER SELECTED OPTION Brushed Aluminum Finish, Rectangular Bezel, Neutral White LED

R2160Z - **4** **0** ***** **XXX**

- LED Color**
- A Cool White
 - B Neutral White
 - C Warm White