



# SlimFit F1170

## LED Recessed Light for Low Profile Installations

### PRODUCT HIGHLIGHTS

- 2.5 Watts
- 9-30V DC
- 0 to 100% Dimming
- Active Thermal Management
- Less than 5/8" Depth
- 3" Diameter
- Stainless Steel Construction

### TYPICAL APPLICATIONS

- Under Cabinet Lighting
- Soffit Lighting
- Retail Shelf Lighting
- Furniture / Millwork Lighting
- General Lighting, Small Vessels

## SPECIFICATIONS

### SUITABLE ENVIRONMENTS



Dry

### 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

### BEAM ANGLES



### CERTIFICATIONS



## Features

### ■ ADVANCED OPTICAL SYSTEM

120° full angle. Even light, with no LED "dots" or pixilation, helps minimize surface shadows.

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

### ■ SNAP IN INSTALLATION

Simply bore a 2.75" diameter hole and snap the fixture into place. Fixture accommodates wall thicknesses ranging from .125" to .625".

## 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 SlimFit 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 SlimFit 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.

### ■ MULTIPLEX COMPATIBLE

Without external controllers, fixture is Multiplex compatible, interfacing directly to most Multiplex type dimming controllers, including Eplex® and Moritz Octoplex™ systems.

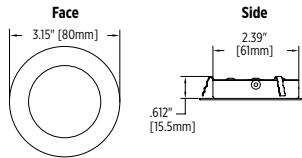
Eplex® is a registered trademark of ED&D Technologies.  
Moritz Octoplex™ is a trademark of Moritz Aerospace.

## SPECIFICATIONS

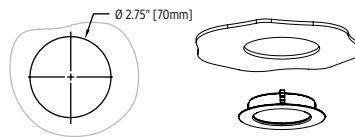
ITEM	PARAMETER	VALUE
Electrical	Input Power	2.5 Watts*
	Input Voltage Range	9-30V DC
	Integrated Driver	✓
	0-100% Dimming	✓
	Protection Features	Active Thermal Management, Protected Dim Line, Transient Protection, Reverse Polarity, Autoreset Fuse
Optical	Emitting Angle	120° Full Angle
	LED Color	Cool White, Neutral White, Warm White
	LED Colors per Fixture	1
	Class	Class 2 LED Product
Physical	Dimensions	Refer to drawings on right
	Housing Construction	Stainless Steel
	Lens Material	Tempered Glass, Frosted
	Bezel Shapes	Round
	Finishes	<b>PVD Coated:</b> Polished Chrome, Polished Gold, Brushed Nickel <b>Powder Coated:</b> White, Off-White
	Mounting Method	Snap Clips, Stainless Steel
	Operating Temp. Range	-20°C to 40°C, Max. Case Temp (T <sub>C</sub> ): 50°C
	Humidity	0 to 95%, non-condensing
	Environment	Dry
	Certification	CE, FCC Part 15, Class B, RoHS Compliant

\*Due to constant power design, input current (I<sub>in</sub>) will vary depending on input voltage. Be sure to size wire awg accordingly for worst case input voltage.

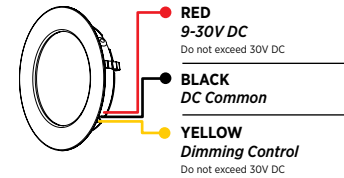
## DIMENSIONS



## MOUNTING

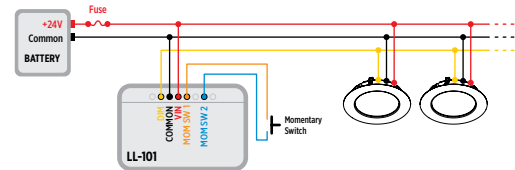


## WIRE FUNCTION

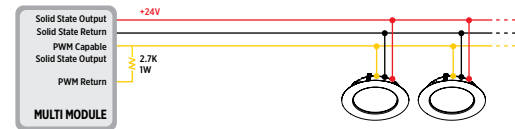


## INSTALLATION EXAMPLES

**Marine / Transportation**  
**EXAMPLE 1:**  
Momentary Switch Dimming  
via LightLink LL-101

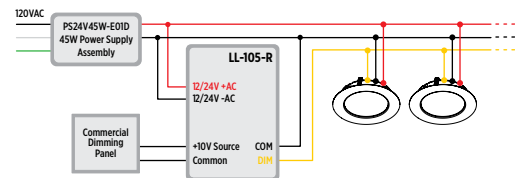


**Marine / Transportation**  
**EXAMPLE 2:**  
Multiplex Dimming  
Integration (Typical)



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

**Commercial Lighting**  
**EXAMPLE:**  
Shown with 0 to 10V  
Dimming via LL-105-R



## ORDERING NUMBER

FIXED FACTORY NUMBER      EXAMPLE: **F1170A-11CXXX**  
USER SELECTED OPTION      Polished Chrome Finish, Round Bezel, Warm White LED

<b>F1170A</b>	-	<b>*</b>	<b>1</b>	<b>*</b>	<b>XXX</b>
<b>Bezel Finish</b>		<b>Bezel Shape</b>		<b>LED Color</b>	
<b>PVD Coated:</b>		○ 1 Round		○ A Cool White	
○ 1 Polished Chrome				○ B Neutral White	
○ 2 Polished Gold				○ C Warm White	
○ 4 Brushed Nickel					
<b>Powder Coated:</b>					
○ 3 White					
○ 5 Off-White					

## ACCESSORIES

KEYWORD	ITEM NUMBER	DESCRIPTION	FIXTURE MAX
LightLink LL-101	LL-101 Series	Dimming Controller, Multiple Interfaces, including Momentary (MOM) Switch Interface.	Dims up to 20 SlimFit F1170
LightLink LL-105	LL-105 Series	Dimming Controller, Multiple Interfaces including 0 to 10V Control.	Dims up to 50 SlimFit F1170
LightLink LL-205	LL-205 Series	Dimming Controller, Multiple Interfaces including 0 to 10V Control.	Dims up to 50 SlimFit F1170
75W Power Supply Enclosure	PS24V75W-E05	Power Supply Enclosure, 75W, 120/240/277VAC Input, 24VDC Output, Steel Enclosure.	Powers up to 30 SlimFit F1170
45W Power Supply Enclosure	PS24V45W-E01D	Power Supply Enclosure, 45W, 120/240VAC Input, 24VDC Output, Steel Enclosure w/ Knockouts & Terminal Blocks.	Powers up to 18 SlimFit F1170
75W Power Supply Enclosure	PS24V75W-E01D	Power Supply Enclosure, 75W, 120/240VAC Input, 24VDC Output, Steel Enclosure w/ Knockouts & Terminal Blocks.	Powers up to 30 SlimFit F1170
48W OEM Power Supply	PS24V48W-01	Power Supply, 48W, 120/240/277VAC Input, 24VDC Output	Powers up to 15 SlimFit F1170
100W OEM Power Supply	PS24V100W-01	Power Supply, 100W, 120/240/277VAC Input, 24VDC Output	Powers up to 30 SlimFit F1170