PATENTS



Ember E1150

LED Step Light, Snap Mount

PRODUCT HIGHLIGHTS

- 2.5 Watts
- 9-30V DC / 9-15V AC Input
- 0 to 100% Dimming
- Triac Compatible Dimming
- Asymmetric Light Distribution
- Wide Lateral Angle
- Stainless Steel Construction

TYPICAL APPLICATIONS

- Step / Aisle Lighting
- Theater / Seat Lighting
- Bar / Counter Lighting
- Refrigerator Lighting
- Wine Cellar Lighting
- Furniture / Millwork Lighting

SPECIFICATIONS

SUITABLE ENVIRONMENTS







Damp

LED COLORS

Cool White Warm White



BEZEL FINISHES

Polished Chrome Polished Gold

Brushed Nickel

Powder Coated:

White Off-White

BEZEL SHAPES







BEAM ANGLES





CERTIFICATIONS









Features

■ ADVANCED OPTICAL SYSTEM

Asymmetric beam angle eliminates glare while providing excellent surface illumination.

■ 0 TO 100% DIMMING

Two dimming options are available. Connection with i2Systems LightLink Series allows simple and seamless integration to most of today's conventional dimming systems. Alternatively, 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.

■ STAINLESS STEEL TRIM, WITH PVD

Round, square or oval, 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 1.25" diameter hole and snap the fixture into place. Fixture accommodates wall thicknesses ranging from .125" to .625".

Exclusive Technology

■ SMARTDRIVER™ INTEGRATED

i2Systems SmartDriver technology is integrated directly inside of every fixture. Connect the Ember 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 Ember 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.

tel +1.860.567.0708

fax +1.860.567.2501 sales@i2systems.com

■ 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.

■ 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.

■ 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.

*Refer to Specifications table on page 2 for additional information



SPECIFICATIONS

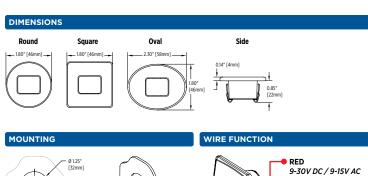
ITEM	PARAMETER	VALUE
Electrical	Input Power	Typ 1.5 Watts, Max 2.5 Watts*
	Input Voltage Range	9-30V DC, 9-15V AC
	Integrated Driver	✓
	0-100% Dimming	✓
	Protection Features	Transient Protection, Reverse Polarity, Autoreset Fuse
Optical	Emitting Angle	Asymmetric
	LED Color	Cool White, Warm White, Green, Blue, Cyan, Red
	LED Colors per Fixture	1
	Class	Class 2 LED Product
Physical	Dimensions Refer to drawings on right	
Physical	Dimensions	Refer to drawings on right
Physical	Housing Construction	Aluminum, Stainless Steel
Physical		
Priysical	Housing Construction	Aluminum, Stainless Steel
Priysical	Housing Construction Lens Material	Aluminum, Stainless Steel Polycarbonate
Priysical	Housing Construction Lens Material Bezel Shapes	Aluminum, Stainless Steel Polycarbonate Round, Square, Oval PVD Coated: Polished Chrome, Polished Gold, Brushed Nickel
Priysical	Housing Construction Lens Material Bezel Shapes Finishes	Aluminum, Stainless Steel Polycarbonate Round, Square, Oval PVD Coated: Polished Chrome, Polished Gold, Brushed Nickel Powder Coated: White, Off-White
Priysical	Housing Construction Lens Material Bezel Shapes Finishes Mounting Method	Aluminum, Stainless Steel Polycarbonate Round, Square, Oval PVD Coated: Polished Chrome, Polished Gold, Brushed Nickel Powder Coated: White, Off-White Snap Clips, Stainless Steel
Pnysical	Housing Construction Lens Material Bezel Shapes Finishes Mounting Method Operating Temp. Range	Aluminum, Stainless Steel Polycarbonate Round, Square, Oval PVD Coated: Polished Chrome, Polished Gold, Brushed Nickel Powder Coated: White, Off-White Snap Clips, Stainless Steel -20°C to 40°C, Max. Case Temp (Tc): 50°C

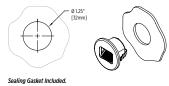
*Due to constant power design, input current (lin) will vary depending on input voltage. Be sure to size wire awg accordingly for worst case input voltage.

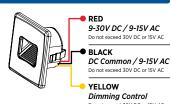
"Product is rated for exterior applications, however it is not rated for submersible applications and should not be mounted in conditions where there is, or is a possibility of, standing water. When installing in were ordered nocions, it is good practice to seal all finitures and junction beause with electronic grade RVI silicone sealant to ensure that ministance cannot exter or accumulable in writing compartments, cables, or othe electrical parts. Product should not be installed in externe locations, including but not filmled to horse outside of its temperature-humidity ratings and/or applications where product is subject to water runniff or downspour

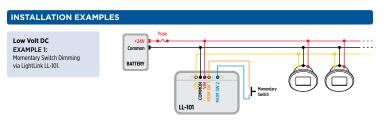
ACCESSORIES

KEYWORD	ITEM NUMBER	DESCRIPTION	FIXTURE MAX		
Foam Gasket	530-00486	Closed cell foam gasket seals most uneven mounting surfaces.			
LOW VOLT DC OPERATION					
LightLink LL-101	LL-101 Series	Dimming Controller, Multiple Interfaces, including Momentary (MOM) Switch Interface.	Dims up to 20 Ember E1150		
LightLink LL-105	LL-105 Series	Dimming Controller, Multiple Interfaces including 0 to 10V Control.	Dims up to 50 Ember E1150		
LightLink LL-205	LL-205 Series	Dimming Controller, Multiple Interfaces including 0 to 10V Control.	Dims up to 50 Ember E1150		
75W Power Supply Enclosure	PS24V75W-E05	Power Supply Enclosure, 75W, 120/240/277VAC Input, 24VDC Output, Steel Enclosure.	Powers up to 20 Ember E1150		
45W Power Supply Enclosure	PS24V45W-E01D	Power Supply Enclosure, 45W, 120/240VAC Input, 24VDC Output, Steel Enclosure w/ Knockouts & Terminal Blocks.	Powers up to 14 Ember E1150		
75W Power Supply Enclosure	PS24V75W-E01D	Power Supply Enclosure, 75W, 120/240VAC Input, 24VDC Output, Steel Enclosure w/ Knockouts & Terminal Blocks.	Powers up to 20 Ember E1150		
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 20 Ember E1150		
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 40 Ember E1150		
LOW VOLT AC OPERATION					
30VA Transformer Enclosure	PS12V30VA-E03	Power Supply Enclosure, 30VA, 120VAC Input, 12VAC Output, Steel Enclosure w/ Knockouts and Terminal Blocks.	Powers up to 8 Ember E1150		
50VA Transformer Enclosure	PS12V50VA-E03	Power Supply Enclosure, 50VA, 120VAC Input, 12VAC Output, Steel Enclosure w/ Knockouts and Terminal Blocks.	Powers up to 16 Ember E1150		
SCR Type Dimmers	Visit i2systems.com for a list of tested and approved SCR/Triac Style Dimmers.				



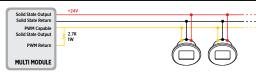






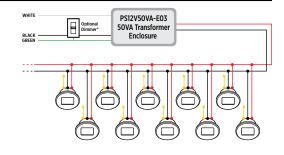








*NOTE: Optional generic line voltage dimmer shown. Always install line voltage rated dimmers to the primary side of the 12V AC transformer. Low voltage dimmers or dimmers installed on the secondary of the 12V AC transformer may provide undesirable results. Use with a magnetic transformer only. Electronic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



ORDERING NUMBER

FIXED FACTORY CODE

E1150Z-12CXXX

USER SELECTED OPTION

Example Shown: Polished Chrome Finish, Square Bezel, Warm White LED

E1150Z







■3 0val





1 Polished Chrome 2 Polished Gold 4 Brushed Nickel

Powder Coated: O 3 White 5 Off-White

2 Square C Warm White D Green
E Blue H Red

092-00474 REV D