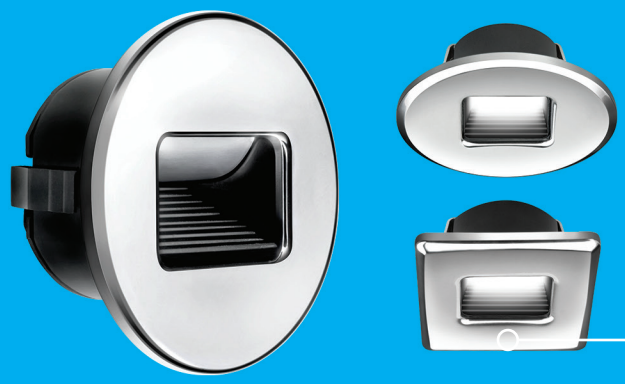
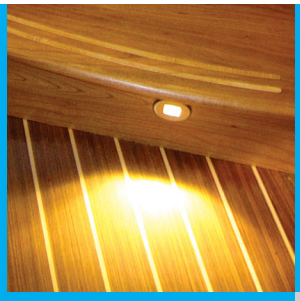
i2Systems Simply Advanced.™

CLIENT

PROJECT

★★★★★ MADE IN THE USA





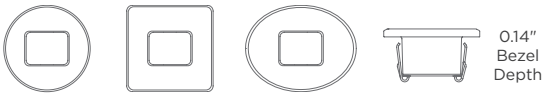
3 BEZEL SHAPES
"Kick-Proof" Stainless Steel with Titanium PVD Finish and Powder-Coat Options

ASYMMETRIC BEAM
Downward light, wide beam

Ember™

MARINE-GRADE LED MINIATURE STEP LIGHT

Ember is the world's premier marine LED courtesy light, offering beautiful illumination and more features and options than you'd ever expect from a light this small. Unique asymmetric beam angle to illuminate steps, hallways, and other low-level surfaces.

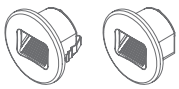


FEATURES

No Glare, Down-Angled Beam
Down-angled beam with washboard eliminates glare while wide beam profile provides even illumination across step and path surfaces.

Dimmable
Using our LightLink™ Dimmers, experience simple LED dimming at the push of a button.

Flexible Mounting
Snap or Screw into place. Your choice.



Rugged & Waterproof
With stainless steel construction and a PVD Titanium-Coated or Mil-Spec Powder-Coated stainless steel trim bezel, expect industry-leading fit and finish that will last. IP67 waterproof rated*.

Not Just for Yachts
Also runs on 12V AC landscape transformers and is cULus Listed, offering simple installation into decks, steps, and pathways.

**IP67 rated. Not for use in submersible applications.*

MARINE GRADE LED REFIT FRIENDLY

LIGHTLINK · cULus · FC · ANSI LED BINNING · IP 67 · LM 79 TESTED · RoHS COMPLIANT · ★★★★★ MADE IN THE USA

Typical Applications
- Courtesy
- Cockpit
- Step Riser
- Pathway

Quick Specs

1.5 W	Power
Asym	Beam Angle
17	Lumen Output Typ.
Snap	Mounting
Screw	Mounting

LED Color
- 3000°K Warm White
- 6500°K Cool White
- Green
- Blue
- Red

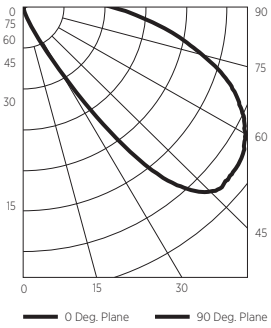
Finish Color
- Polished Chrome (PVD TITANIUM)
- Polished Gold (PVD TITANIUM)
- Brushed Nickel (PVD TITANIUM)
- White (MIL-SPEC POWDER COATED)
- Off-White (MIL-SPEC POWDER COATED)

Ember™

MODEL E1150/E2150 | MARINE-GRADE LED MINIATURE STEP LIGHT

PHOTOMETRICS

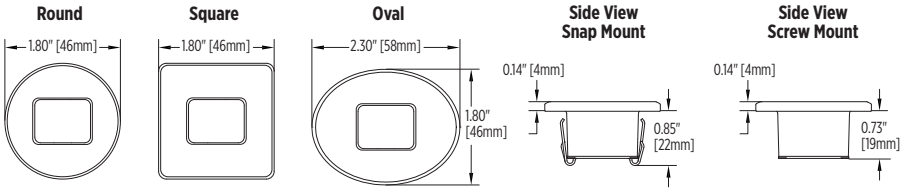
EMBER E1150Z-11CAB



Multiplier Table	3000°K	6500°K
Ember		x1.20

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.

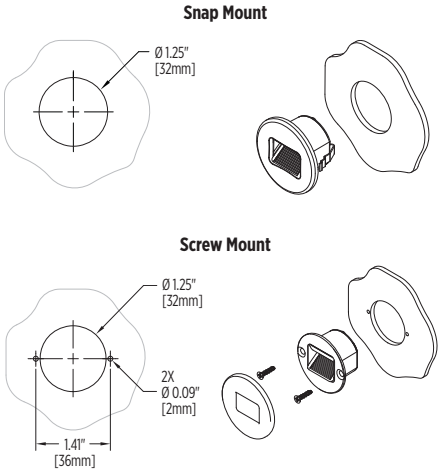
DIMENSIONS



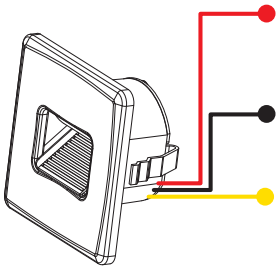
Custom Trim Bezels & Finishes available. Contact us for details.

NOTE: Check bezel alignment prior to removing tape liner. Ramp must contact inside of bezel opening.

MOUNTING



WIRE FUNCTION



RED
9-30V DC / 12V AC
Do not exceed 30V DC, 15V AC max

BLACK
Common Ground / 12V AC
Do not exceed 30V DC, 15V AC max

YELLOW
Dimming Control (Optional)
Do not exceed 30V DC

LIGHTLINK™ *See wiring examples below.*

Using 3rd Party Multiplex & PWM Dimmers:

The Yellow Dimming Control wire is engineered to work with i2Systems LightLink™ Dimmers and 3rd party PWM type dimmers. Do not exceed 30V DC.

To use a 3rd party PWM dimmer, drive the Yellow Dimming Control Wire using a Pulse Width Modulation (PWM) Controller. By driving the Yellow Dimming Control Wire Low to DC Common, the Fixture turns off. By driving the Yellow Dimming Control Wire High to DC Positive (i.e. +24V), or by allowing the wire to Float (no connection), the Fixture turns on to 100%.

The PWM signal must be a Square Wave at a fixed frequency and a maximum voltage of 30V DC. Frequency range may be between 100Hz and 300Hz (user selected). A wiring example is shown on the last page of this spec sheet.

PROTECTION FEATURES

Electrical Protection

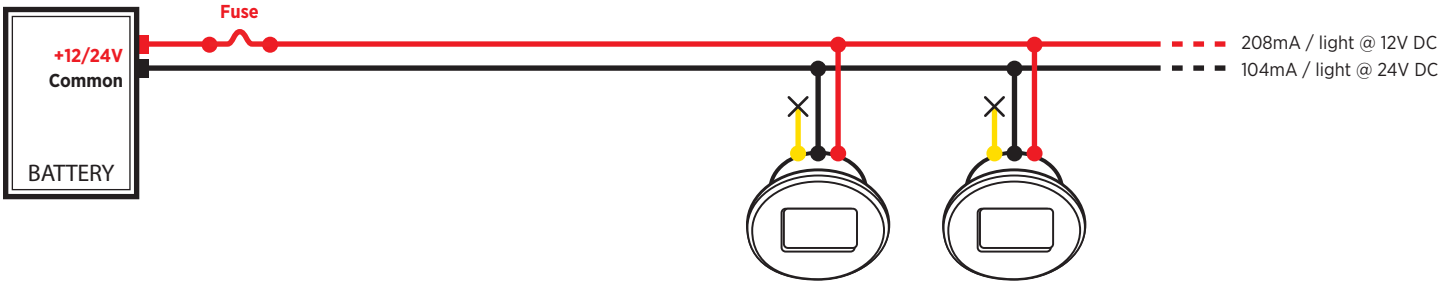
- Dim Line Protected to 30V DC
- Transient Protection
- Reverse Polarity Protection
- Auto-Reset Fuse

Ember™

MODEL E1150/E2150 | MARINE-GRADE LED MINIATURE STEP LIGHT

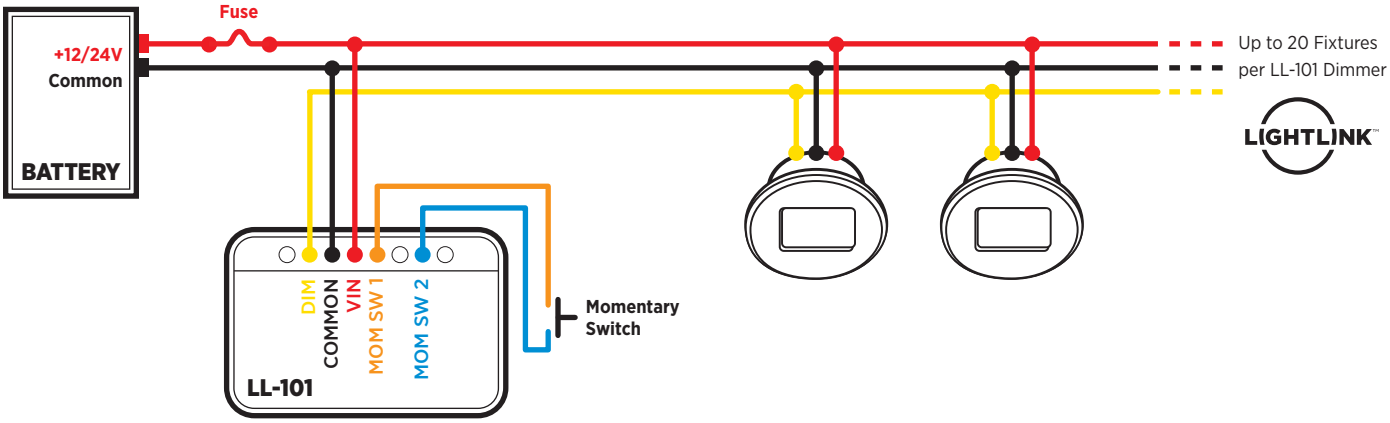
WIRING EXAMPLE

12/24V DC NO DIMMING



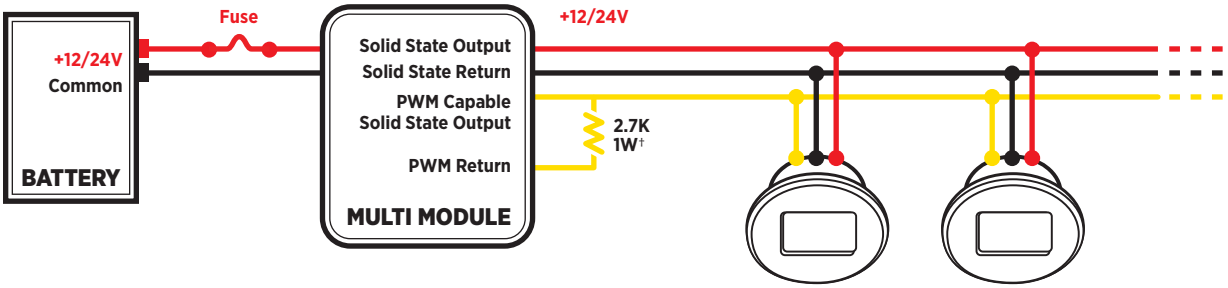
WIRING EXAMPLE

12/24V DC PUSH BUTTON SWITCH DIMMING



WIRING EXAMPLE

12/24V DC 3RD PARTY MULTIPLEX DIMMER*



† By driving the Yellow wire Low (i.e. DC Common), the Fixture turns off. Many Multiplex type systems were originally designed for halogen lamps and do not Drive Low, in which case in this example a 2.7K, 1 Watt Pull Down Resistor pulls down the Yellow Dimming Line to DC Common when the PWM is not driven High (thus shutting off the Fixtures).

***Compatible systems include**

OctoPlex
Spyder Controls Corporation
E-PLEX
CAPIZ
EmpirBus™
VANTAGE