

# LEDge

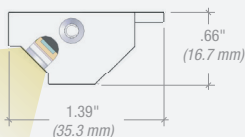
INTERIOR APPLICATIONS



5-year warranty

## Shelf Mount

Dimensions



## Application

**LEDge** is a member of **io's line™** family of linear LED-based products. **LEDge** is a low voltage linear shelf light that offers exceptional warm and cool white light for a variety of different shelf and casework conditions. **LEDge** offers illumination levels equivalent to halogen and fluorescent-based alternates with significant benefits. **LEDge** delivers exquisite white light without the damaging ultra-violet (UV) and infrared (IR) wavelengths or radiant heat that conventional light sources produce. **LEDge** also offers superior definition to three-dimensional objects and sparkle to reflective surfaces. Projected average rated life is 50,000 hours at 70% of lamp lumen output. Contact factory for IES LM-80 compliance. To ensure proper performance, architectural details should allow for ventilation and air flow around the fixture. Ambient temperature surrounding the fixture shall not exceed 122°F (50°C).

## Light Output

**LEDge's** beam spread and luminous intensities are perfect for shelf lighting applications. Three luminous intensities are available. All values below represent the initial raw lumens of the LED. IES format photometry of Lighting Facts labels represent actual light output measured in lumens and candle power. Light Output losses include optical, thermal and power supply inefficiencies. IES LM-79 format files may be obtained from the factory or downloaded from [www.cooperlighting.com](http://www.cooperlighting.com). All products have a CRI greater than 80. Results are typical measurements.

	Standard Output	High Output	Very High Output
<b>INITIAL LUMENS</b>			
<b>2700K White:</b>	<b>72 lms/ft</b>	<b>253 lms/ft</b>	<b>362 lms/ft</b>
<b>3000K White:</b>	<b>120 lms/ft</b>	<b>360 lms/ft</b>	<b>600 lms/ft</b>
<b>3500K White:</b>	<b>83 lms/ft</b>	<b>289 lms/ft</b>	<b>413 lms/ft</b>
<b>4000K White:</b>	<b>88 lms/ft</b>	<b>307 lms/ft</b>	<b>438 lms/ft</b>
<b>POWER CONSUMPTION*</b>			
	<b>1.00 w/ft</b>	<b>3.00 w/ft</b>	<b>5.00 w/ft</b>

*Non-standard color temperatures available as a custom offering for a modest additional cost and lead-time.*

*\* Power Consumption does not include power supply losses.*

## Construction

**LEDge** can be surface mounted to the underside of any shelving unit provided the shelf materials can accept self-tapping screws. The **LEDge** housing is made of extruded aluminum, providing the recommended heat sink requirements for **io's** proprietary printed circuit boards (PCBs). **LEDge** is provided with neoprene gaskets, which isolate the majority of the heat from surfaces on which they are mounted. **LEDge** is UL listed for dry locations.

## Electrical

**LEDge** is supplied with a field adjustable 4'-0" 20 AWG, 300 volt rated power cord. A 24 volt 100 watt power supply will be provided as a standard. For detailed information regarding daisy chain limitations, remote distance limitations, power supply options, and dimming options consult Cooper Lighting Solutions website ([www.cooperlighting.com](http://www.cooperlighting.com)) or an **io** representative.

## DRIVER REMOTE DISTANCE

<b>7'-0" (2.1m) w/22AWG</b>
<b>18'-0" (5.5m) w/18AWG</b>
<b>46'-0" (14.0m) w/14AWG</b>
<b>71'-0" (21.6m) w/12AWG</b>

## Finish

Anodized aluminum finish is standard. Custom finishes may be available upon request.

io Lighting

<b>Light Output (Lumens)</b>	<b>1028</b>
<b>Watts</b>	<b>18.6</b>
<b>Lumens per Watt (Efficacy)</b>	<b>55</b>
<b>Color Accuracy</b> <small>Color Rendering Index (CRI)</small>	<b>82</b>
<b>Light Color</b> <small>Correlated Color Temperature (CCT)</small>	<b>3024 (Bright White)</b>
<b>Warranty**</b>	<b>Yes</b>

All results, except LED Lumen Maintenance, are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

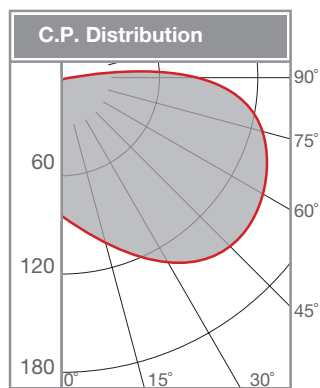
\*\* See [www.lightingfacts.com/products](http://www.lightingfacts.com/products) for details.

Registration Number: PNE4-4CHHGK (7/11/2013)  
Model Number: 0.091.3KVHO.NG.1.36.1  
Type: Under-cabinet or Shelf-mounted light

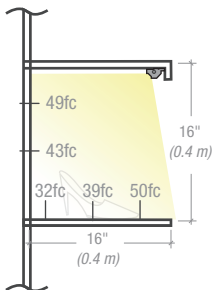
Label references **LEDge** fixture in Very High Output 3000K. Lighting Facts for additional light output levels may be obtained from **io** Lighting.

CANDLEPOWER DISTRIBUTION CURVE  
3000K High Output – 30" Length

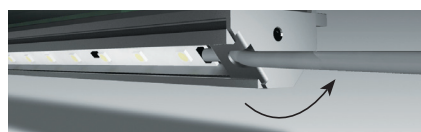
Light Output



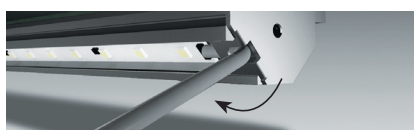
SHELF LIGHTING  
3000K Standard Output



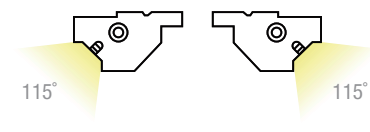
Electrical Details



SIDE FEED



FRONT FEED



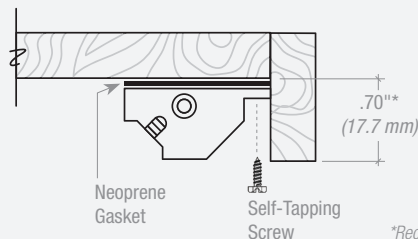
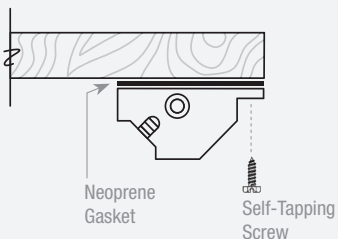
LEFT SIDE FEED

RIGHT SIDE FEED

Left end cap shown here. Electrical feed is **field adjustable** from side feed to front feed.

Mounting Options

Shelf Mount



\*Recommended minimum to conceal view to fixture.

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io	1	2	3	4	5	6	7	8	9

Order Code

<b>1. PRODUCT FAMILY</b>	35K White 3500K SO <sup>(1)</sup>	<b>6. LENGTH</b>	<b>9. SPECIFY DRIVER / DIMMING</b>
09 LEDge	35KHO White 3500K HO <sup>(1)</sup>	Specify as required to 1/8" between 7" and 72"	<i>Note: If not specified otherwise, io will supply 100 watt drivers. Download Power Supply specification sheet from <a href="http://www.cooperlighting.com">www.cooperlighting.com</a>.</i>
<b>2. LOCATION</b>	35KVHO White 3500K VHO <sup>(1)</sup>	<b>7. ELECTRICAL FEED</b>	
I Interior only	4K White 4000K SO <sup>(1)</sup>	1 Right feed	
<b>3. COLOR</b>	4KHO White 4000K HO <sup>(1)</sup>	2 Left feed	
27K White 2700K SO <sup>(1)</sup>	4KVHO White 4000K VHO <sup>(1)</sup>	3 Right and left feed	
27KHO White 2700K HO <sup>(1)</sup>	CC Custom Color <sup>(3)</sup>	<b>8. VOLTAGE / DIMMING</b>	
27KVHO White 2700K VHO <sup>(1)</sup>	<b>4. MOUNTING</b>	1 120v	
3K White 3000K SO <sup>(1)</sup>	NG No glass	2 277v	
3KHO White 3000K HO <sup>(1)</sup>	<b>5. FINISH</b>	3 120v w/dim	
3KVHO White 3000K VHO <sup>(1)</sup>	1 Anodized aluminum	4 277v w/dim	
	2 Anodized custom color	5 Other (International voltage)	

Footnotes

- White light variance between LEDs is equal to or better than 3-step MacAdam Binning.
- Printed Circuit Board (PCB) is available in 6" increments. Therefore, there will be no more than 3" of lampless space on either end of fixture.
- Non-standard color temperature and CRI are available. Consult factory for availability.