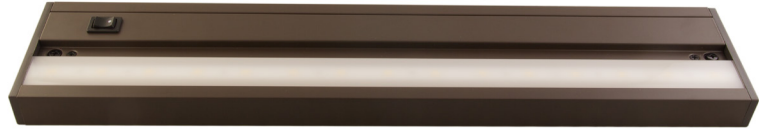


# FENCER® SABER™ PREMIUM DIFFUSION LED LIGHT FIXTURE

## SPECIFICATION SHEET

- High brightness
- Superior CRI 90+
- Captive screws for mounting
- ENERGY STAR and TITLE 24 certified
- Premium diffused lenses eliminate LED hot spots
- 3-Year limited warranty



### SPECIFICATIONS

	DI-120V-SABER-PD30-8-BZ DI-120V-SABER-PD30-8-WH	DI-120V-SABER-PD30-16-BZ DI-120V-SABER-PD30-16-WH	DI-120V-SABER-PD30-24-BZ DI-120V-SABER-PD30-24-WH	DI-120V-SABER-PD30-32-BZ DI-120V-SABER-PD30-32-WH
<b>Input Voltage</b>	120VAC 60 Hz			
<b>LED Chip Type</b>	Edison SMD Chip			
<b>CCT (Kelvin)</b>	3000K			
<b>CRI</b>	98			
<b>Lumens <sup>1</sup></b>	253	493	783	1057
<b>Efficacy / fixture (lm/W) <sup>2</sup></b>	52	54	59	59
<b>Power Consumption</b>	5.3W / 442 mA	9.6W / 800 mA	13.5W / 1125 mA	17.4W / 1450 mA
<b>LED Chip Qty</b>	12	24	36	48
<b>Max. Run</b>	Up to 40 linear fixtures			
<b>Mounting</b>	2 Captive screws			
<b>Ambient Temperature <sup>4</sup></b>	-4° ~ 122°F (-20° ~ 50°C)			
<b>Operating Temperature <sup>5</sup></b>	-4° ~ 176°F (-20° ~ 80°C)			
<b>Environment</b>	Indoor / dry location			
<b>Dimmable</b>	Yes (see dimmer list)			
<b>Dimensions</b>	8.21 x 3.62 x 0.96 in. ( L x W x H)	16.03 x 3.62 x 0.96 in. ( L x W x H)	23.85 x 3.62 x 0.96 in. ( L x W x H)	31.67 x 3.62 x 0.96 in. ( L x W x H)
<b>Certifications</b>	ETL Listed (United States & Canada). Conforms to UL std. 1598/153, Luminaires & Portable Electric Luminaires. Certified to CSA std. C22.2 No. 9.0. Title 24 Certified High Efficacy Luminaire. Energy Star Certified.			
<b>Included Items</b>	1 Romex Connector, 1 FENCER Linkable End-to-End Connector, 2 Screw Covers			

**Note <sup>1</sup>** Do not install product in an environment outside the listed ambient temperature. Exceeding the maximum ambient temperature may damage LED chips, reduce the total lamp life, lumen output, and/or adversely impact color consistency.

**Note <sup>2</sup>** Operating temperature is measured according to the minimum and maximum ambient temperature environment.

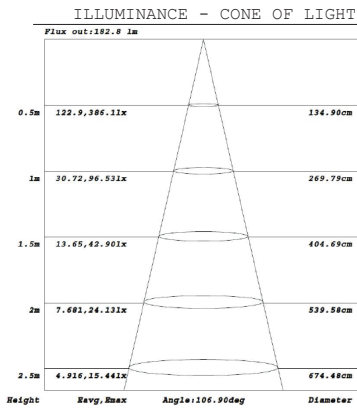
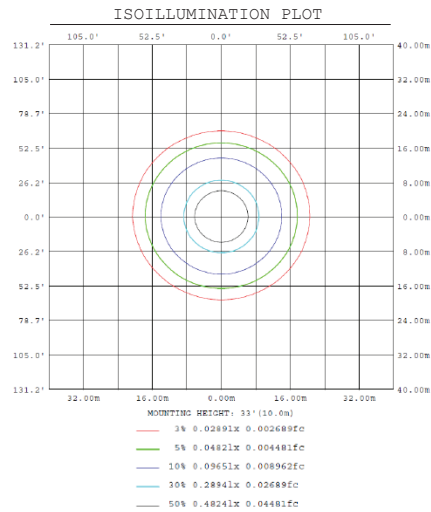
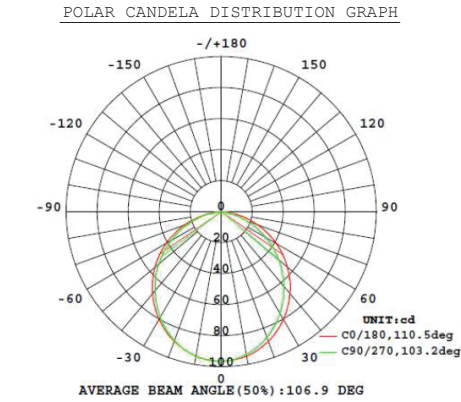
**Note <sup>3</sup>** Do not install in environment where LED chips are exposed to direct sunlight as damage to the phosphor will occur.

**Note <sup>4</sup>** Lumen value measured in accordance to IES LM-79-08. LED chips have a luminous flux range with a tolerance of +/- 5%.

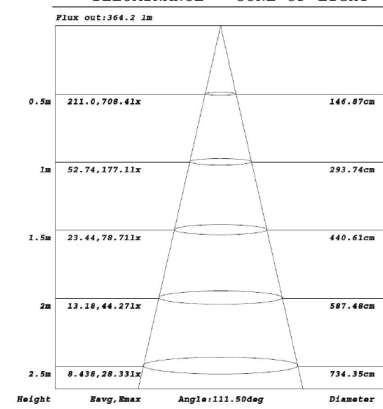
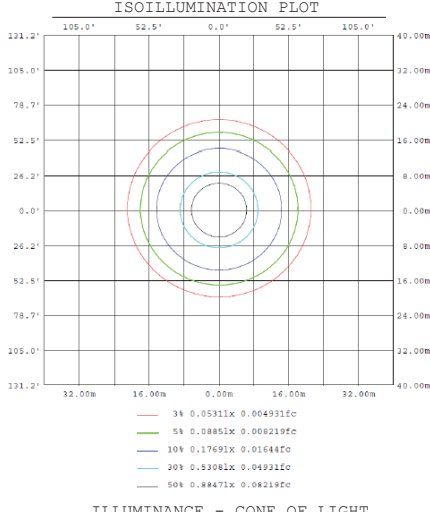
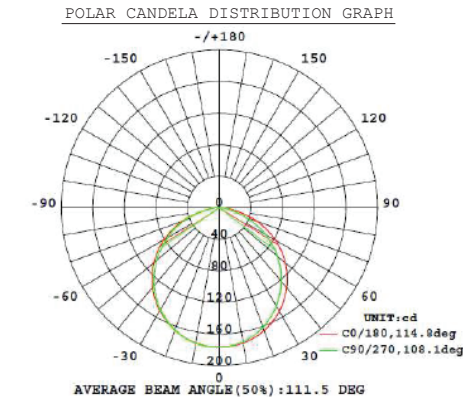
**Note <sup>5</sup>** Efficacy value referred from IES LM-79-08.

Item #:		Project:	
---------	--	----------	--

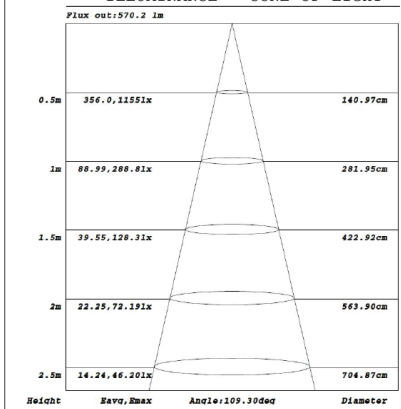
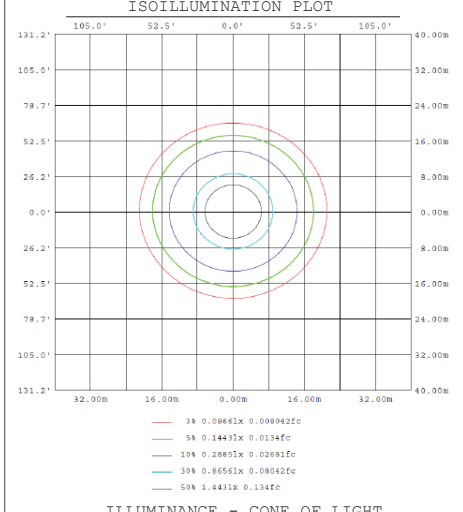
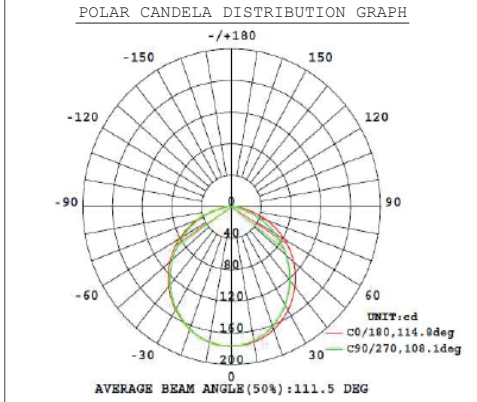
**SABER™ PREMIUM DIFFUSION 8 in.**  
DI-120V-SABER-PD30-8-\*\*



**SABER™ PREMIUM DIFFUSION 16 in.**  
DI-120V-SABER-PD30-16-\*\*

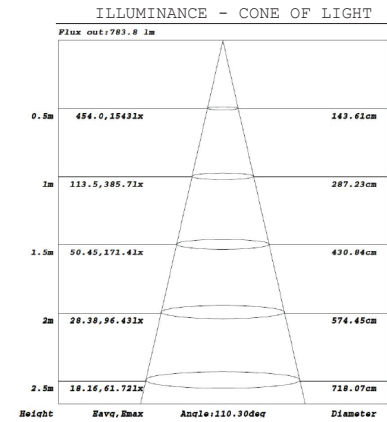
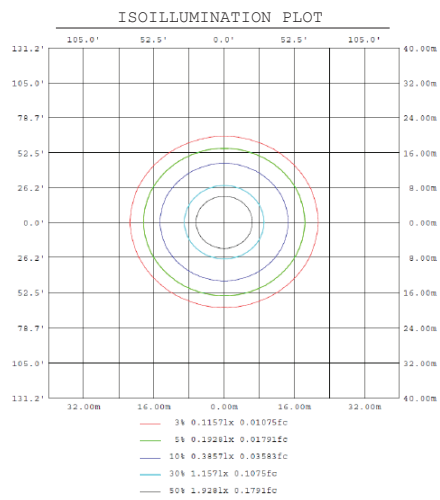
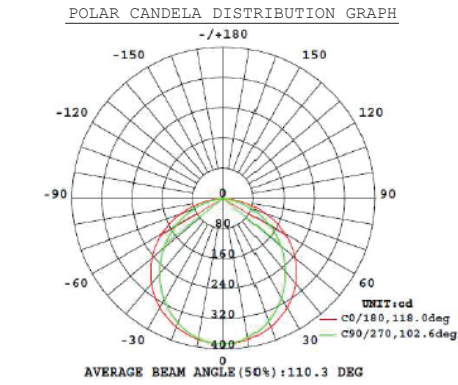


**SABER™ PREMIUM DIFFUSION 24 in.**  
DI-120V-SABER-PD30-24-\*\*



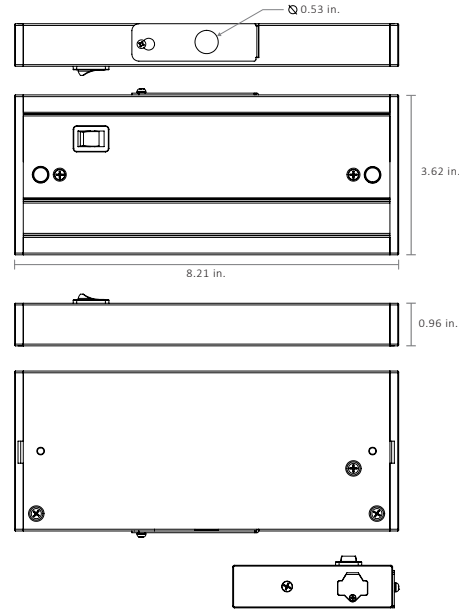
\* Photometric data complies with LM-79-08, ANSI C82.77-02.

**SABER™ PREMIUM DIFFUSION 32 in.**  
DI-120V-SABER-PD30-32-\*\*

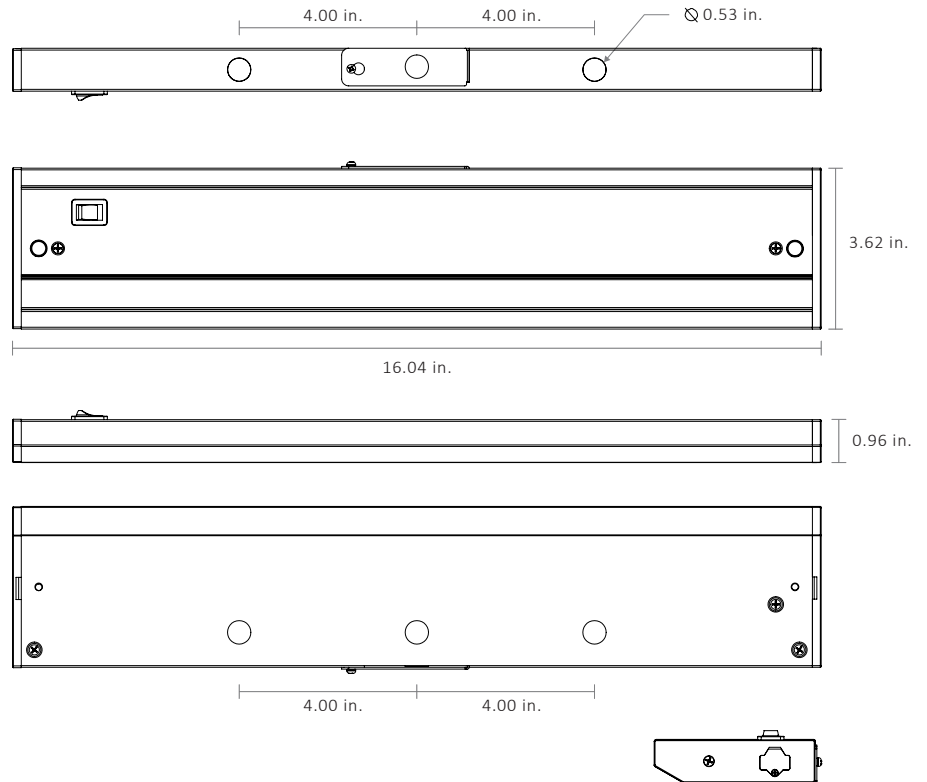


\* Photometric data complies with LM-79-08, ANSI C82.77-02.

**SABER™ PREMIUM DIFFUSION 8 in.**  
DI-120V-SABER-PD30-8-\*\*



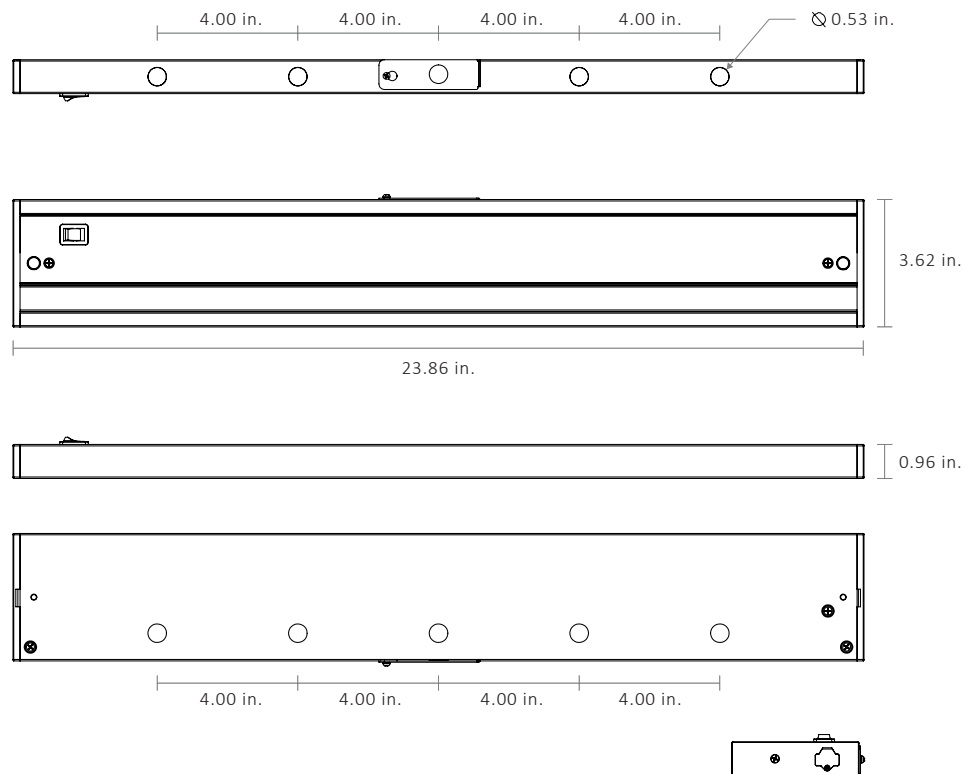
**SABER™ PREMIUM DIFFUSION 16 in.**  
DI-120V-SABER-PD30-16-\*\*



## MECHANICAL DIAGRAMS

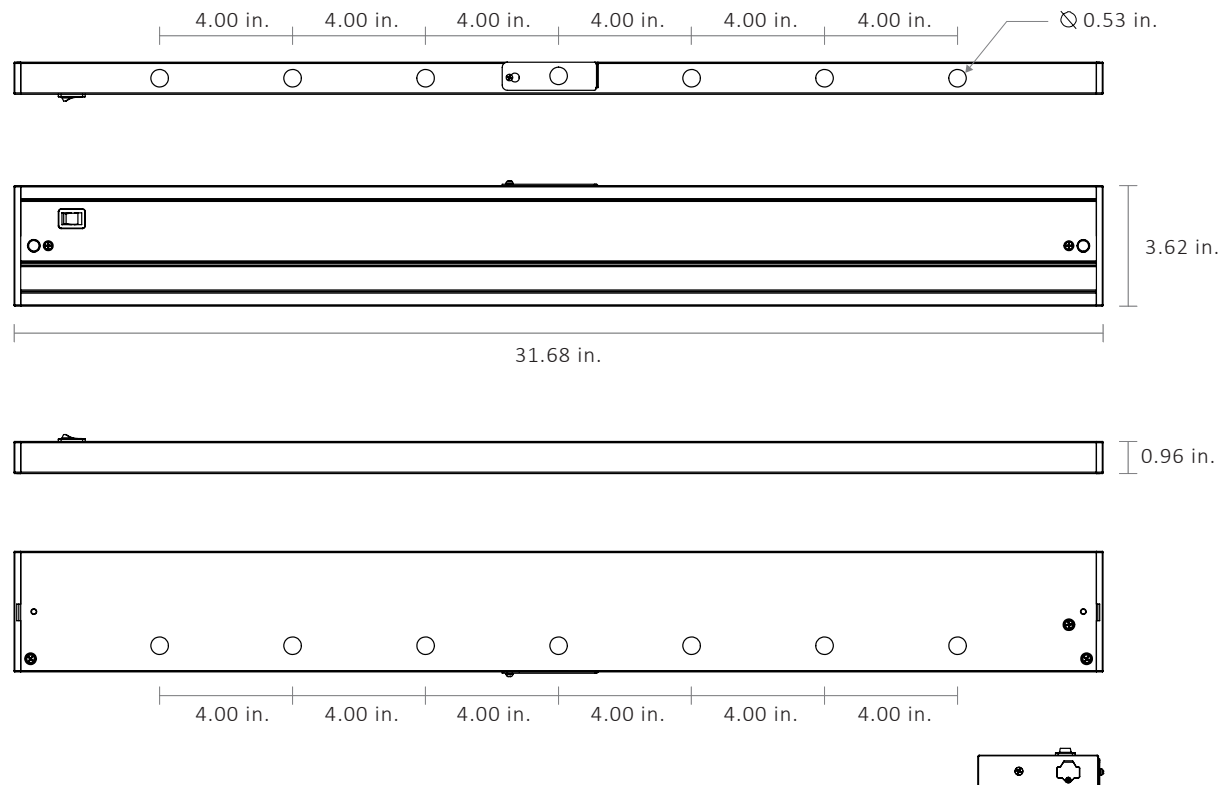
### SABER™ PREMIUM DIFFUSION 24 in.

DI-120V-SABER-PD30-24-\*\*







### SABER™ PREMIUM DIFFUSION 24 in.

DI-120V-SABER-PD30-24-\*\*



## ACCESSORIES

Item #	Type	Description	Image
DI-1306-WH DI-1306-BK	FENCER® Linkable End-To-End Connector	Seamlessly connects two sections of any length fixture together. 0.8 x 0.67 x 0.44 in. (L x W x H)	
DI-1307-WH <i>6 in.</i> DI-1307-BK <i>6 in.</i> DI-1308-WH <i>12 in.</i> DI-1308-BK <i>12 in.</i> DI-1309-WH <i>24 in.</i> DI-1309-BK <i>24 in.</i> DI-1310-WH <i>72 in.</i> DI-1310-BK <i>72 in.</i>	FENCER® Extension Cable	Perfect for jumping around gaps and obstructions in the installation or negotiating angles of any degree. 6 x 0.66 x 0.42 in. (L x W x H) 12 x 0.66 x 0.42 in. (L x W x H) 24 x 0.66 x 0.42 in. (L x W x H) 72 x 0.66 x 0.42 in. (L x W x H)	
DI-1311-WH DI-1311-BK	FENCER® 72" Power Cable with AC Plug	120V AC Plug-to-fixture connector cable. 72 x 0.66 x 0.42 in. (L x W x H)	
DI-1312-WH DI-1312-BK	FENCER® 72" Power Cable with Hard-Wire Connection	120V AC Splice-to-fixture connector cable. 72 x 0.66 x 0.42 in. (L x W x H)	

## ADDITIONAL RESOURCES

Visit the online product page at [www.DiodeLED.com](http://www.DiodeLED.com) for additional resources including:

- **FENCER® UNDER CABINET LED LIGHT FIXTURE Installation Guide**  
For system diagrams and full installation instructions.
- **FENCER® UNDER CABINET LED LIGHT FIXTURE Dimming Control Compatibility Sheet**  
Use to specify appropriate dimmer control.

## SAFETY & DISCLOSURES

- Install in accordance with the National Electric Code, and local regulations.
- This product is intended to be installed and serviced by a qualified, licensed electrician.
- Only install compatible LED fixtures & controls. Only use copper wiring.
- Proper heat dissipation will prolong the working lifespan of this product. Install in a well-ventilated area free from explosive gases and vapors.
- Ensure applicable wire is installed between driver, fixture, and any controls in between. When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc.). Inadequate wire installation could overheat wires, and cause a fire.
- Do not install if product has any visible damage.
- Do not modify or disassemble this product beyond instructions or the warranty will be void.

## WARRANTY INFORMATION

### Limited Warranty

This power supply has a three (3) year limited warranty from the date of shipment. This warranty does not include the additional accessories referenced in this specification sheet. Complete warranty details for fixtures and additional accessories are available at [www.DiodeLED.com](http://www.DiodeLED.com) under the 'Tools & Resources' tab. For warranty related questions, please contact technical support.

### Consumer's Acknowledgment

Diode LED stands behind its products when they are used properly and according to our specifications. By purchasing our products, the purchaser agrees and acknowledges that lighting design, configuration and installation is a complex process, wherein seemingly minor factors or changes in layout and infield adjustments can have a significant impact on an entire system. Choosing the right components is essential. Diode LED is able to work with the original purchaser to make an appropriate product selection to the extent of the limited information that the customer can provide, but it is virtually impossible for Diode LED to design a system that foresees every unknown factor. For this reason, this Warranty does not cover problems caused by improper design, configuration or installation issues. Any statement from a Diode LED employee or agent regarding a customer's bill of goods and/or purchase order is NOT an acknowledgment that the products purchased are designed and configured correctly. The purchaser agrees and acknowledges that it is the customer's responsibility to adhere strictly to all information contained in the Product Specification Sheets.

There is often more than one way to design, configure and layout an LED lighting application properly to achieve the same lighting effect. Diode LED strongly recommends that licensed professionals be used in the design and installation of lighting systems that include Diode LED products. The specifications include important information that a designer and installer should carefully review and strictly follow. Qualified designers and certified and/or licensed installers, with access to the final installation environment, customer goals, and Diode LED product specifications can make the requisite decisions appropriate for a successful finished lighting application.



Toll Free: 877.817.6028 | Fax: 415.592.1596 | [www.DiodeLED.com](http://www.DiodeLED.com) | [info@DiodeLED.com](mailto:info@DiodeLED.com)  
© 2015 Elemental LED All rights reserved. Specifications are subject to change without notice.