

# LUMUX

## STEP LIGHT SL640

The Lumux SL600 Series is a family of precision engineered, recessed LED architectural step lights that are designed for durability and performance. Constructed from the highest quality materials and components, this step light is offered in a wide array of form factors and grill options to fit any specification. A diecast aluminum body is seamlessly integrated with a stainless steel or powder-coated faceplate with captive, vandal resistant stainless-steel screws. The SL600 Series features models with a clear woven frost-glass diffuser, protective grills, and glare-hood to shield the light source, focussing light to the task and reducing glare. SL600 Series step lights are energy efficient for long-lasting indoor and outdoor applications.

**Housing:** Heavy-duty construction of corrosion resistant, low-copper die cast aluminum. Stainless steel or powder-coated faceplate secured with vandal resistant, stainless screws.

**Lens:** 1/8" thick shatter-proof frosted glass diffuser.

**Mounting:** Recessed wall or optional concrete pour box.

**Installation:** Housing provided with 1/2" conduit opening, with optional galvanized steel concrete pour box (see diagram for dimensions).

**Finish:** Stainless steel faceplate or zinc-polyester powdercoat finish in black, white, silver, bronze, or any custom RAL color. Consult factory for marine grade or anti-microbial finish.

**Driver:** Constant current and universal input voltage 120-277v, starting temperature rated at -20°F. Dimmable option available (0-10v).

**Gasket:** Closed cell silicon foam gasket that seals out moisture, dust, and insects for weather tight operation.

**Protection Class:** IP65, ETL Listed for wet locations.

**CRI:** 80

**Warranty:** 5 year limited warranty.

**Delivered Lumens & Wattage per color temperature:**

2700K	3000K	4000K	WATTS
300 lm	320 lm	330 lm	9W

For higher lumen packages and other color temperatures, please consult with the Lumux sales team.

DATE:

PROJECT:

FIRM:

CATALOG NO.:

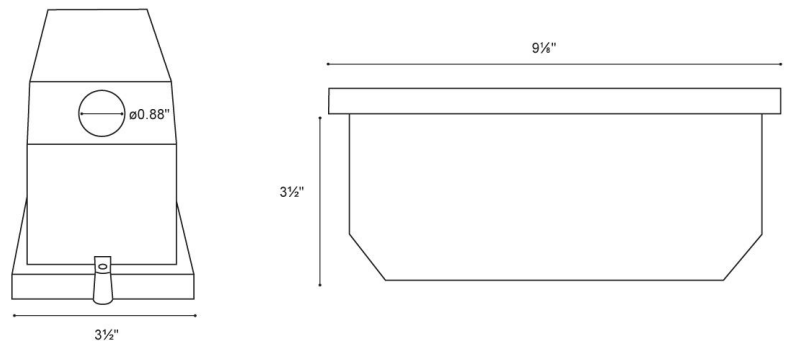
COMMENTS:



**SL640SS** stainless steel faceplate  
**SL640** powdercoated faceplate  
window grill over impact-resistant glass diffuser



### SL600 Series Luminaire Housing Dimensions:



### SL600 Series Universal Concrete Pour Box:



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7803 Industry Ave, Pico Rivera, CA 90660  
sales@lumux.com | 562-801-5100

Content of specification sheet subject to change

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SL640 is an elegant step and wall light with a windowpane design and many color options, perfect for campus, resort and residential use.

### Ordering Guide

Catalog No.	LED Color	Color Temp <sup>1</sup>	Voltage	Finish <sup>2</sup>	Options <sup>2</sup>
SL640	White	2700K	120-277v	Stainless Steel	<input type="checkbox"/> 0-10v Dimming <input type="checkbox"/> Concrete pour-box
	Amber	3000K		Black	
	Red	4000K		White	
	Green			Silver	
	Blue			Bronze	
				Custom RAL	

<sup>1</sup>Consult factory for additional options;

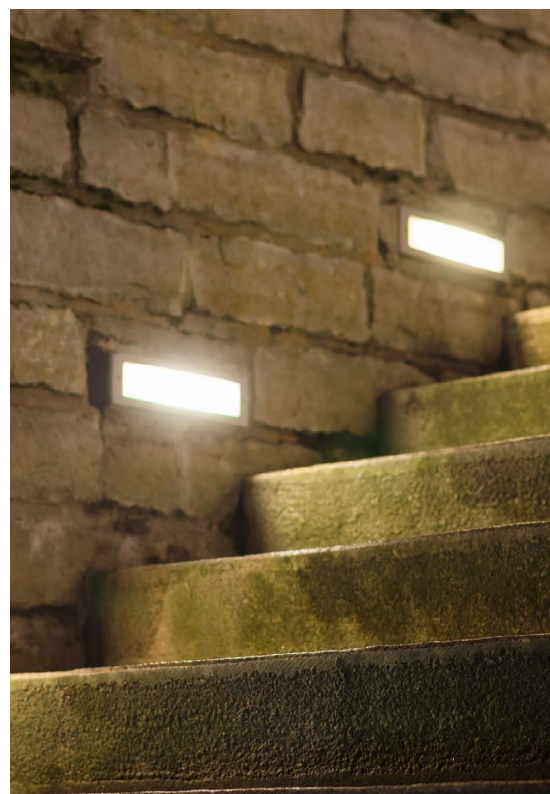
color temp applies to white light only.

<sup>2</sup>Consult factory for additional pricing on powdercoat finishes.

Catalog No.: \_\_\_\_\_

Performance Specifications	
Flux 330 lm (4000K)	LER 40 lm/W (4000K)
Power 9W	
Starting temp. rated to -20°F	120-277v input voltage
Dimmable driver (0-10v) option	
Lumen Maintenance: L70 100,000 hrs	

Environmental Specifications	
BUG rating: B0-U3-G1	
CRI 80	Color temperature options
IP65	ETL listed for wet-locations
Effective Projected Area: n/a	Marine Grade option
5-year limited warranty	Made in the USA



\*Lumen Maintenance Report: Permlight Technologies  
Test Documentation No.: BB12TB

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## STEP LIGHT SL640

DATE:

PROJECT:

FIRM:

CATALOG NO.:

COMMENTS:

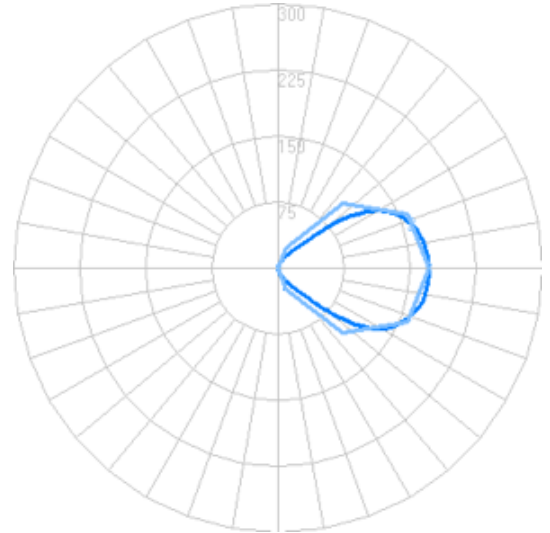
### Photometry

IESNA: LM-63-2002

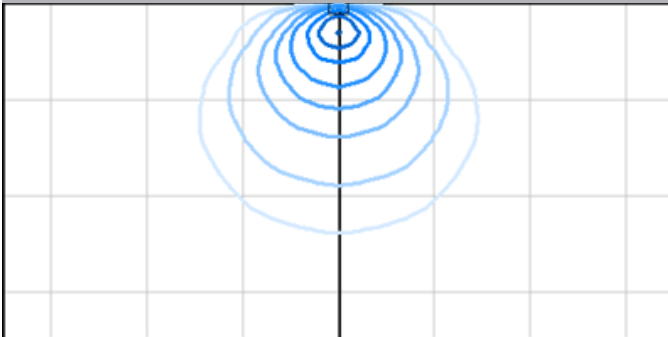
TEST: 1173030 (edited)	TEST LAB: UL Verification Svs.
LUMINAIRE: SL640	DATE: 2022-01-01
IES Classification: Type IV	Longitudinal Class: Very Short
Luminaire Lumens	334 (4000K)
Luminaire Efficacy Rating (LER)	40
Total Luminaire Watts	8.423W
Upward Waste Light Ratio	0.49
Max. Candela	171.9
Max. Cd. < 90° Vertical	171.9
Max. Cd. (At 90 Deg. Vert.)	171.9 (51.4% Luminaire)
Max. Cd. (80 to <90 Deg. Vert.)	171.9 (51.5% Luminaire)
Cutoff Classification: N.A.	BUG Rating: B0-U3-G1

Technical aspects may change without notice.

### Candela



### Iso-illuminance: Ground Flood, MH 1' off-ground

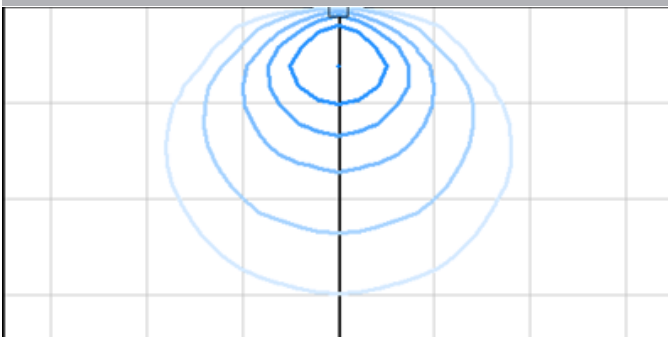


Foot-candles: 0.1, 0.2, 0.5, 1, 2, 5, 10 | Grid spacing 5'

### Zonal Lumens

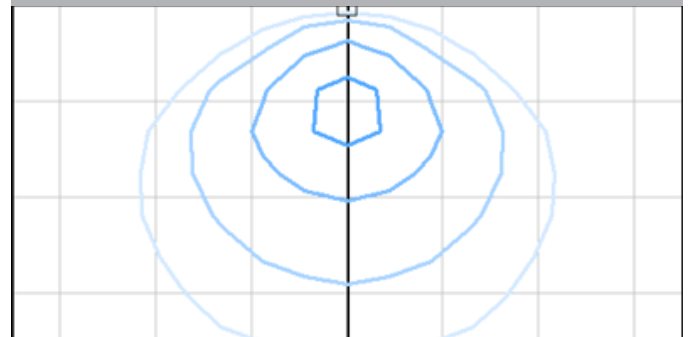
LCS	Zone	Lumens	%Lum.
FL	(0-30)	1.4	0.4
FM	(30-60)	34.4	10.3
FH	(60-80)	84.0	25.1
FVH	(80-90)	50.7	15.2
BL	(0-30)	0.0	0.0
BM	(30-60)	0.0	0.0
BH	(60-80)	0.05	0.0
BVH	(80-90)	0.05	00.0
UL	(90-100)	50.6	15.1
UH	(100-180)	113.0	33.8
Total		334	100

### Iso-illuminance: Ground Flood, MH 2' off-ground



Foot-candles: 0.1, 0.2, 0.5, 1, 2 | Grid spacing 5'

### Iso-illuminance: Ground Flood, MH 4' off-ground



Foot-candles: 0.1, 0.2, 0.5, 1 | Grid spacing 5'

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Sample isoilluminance plots. For actual values, use Lumux IES file with photometry software and correct surface reflectances.

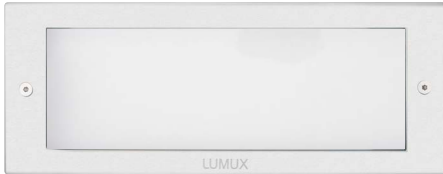
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# LUMUX

## STEP LIGHT

### SL600 SERIES DIFFUSER & LOUVER OPTIONS

DATE:	
PROJECT:	
FIRM:	
CATALOG NO.:	
COMMENTS:	



**SL600SS** stainless steel faceplate  
impact-resistant glass diffuser



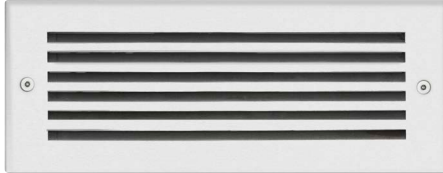
**SL600** powdercoated faceplate  
impact-resistant glass diffuser



**SL630SS** stainless steel faceplate  
flat grill over impact-resistant glass diffuser



**SL630** powdercoated faceplate  
flat grill over impact-resistant glass diffuser



**SL632SS** stainless steel faceplate  
fine grill with angled louvers



**SL632** powdercoated faceplate  
grill featuring angled louvers



**SL640SS** stainless steel faceplate  
window grill over impact-resistant glass diffuser



**SL650** powdercoated faceplate  
glare-hood over impact-resistant glass diffuser



**SL632V** powdercoated faceplate  
**SL632VSS** stainless steel faceplate  
angled louvers for vertical installation