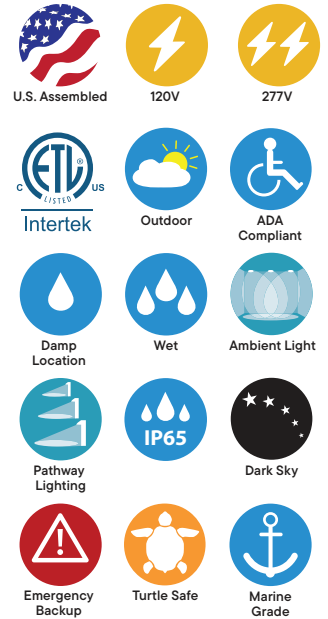
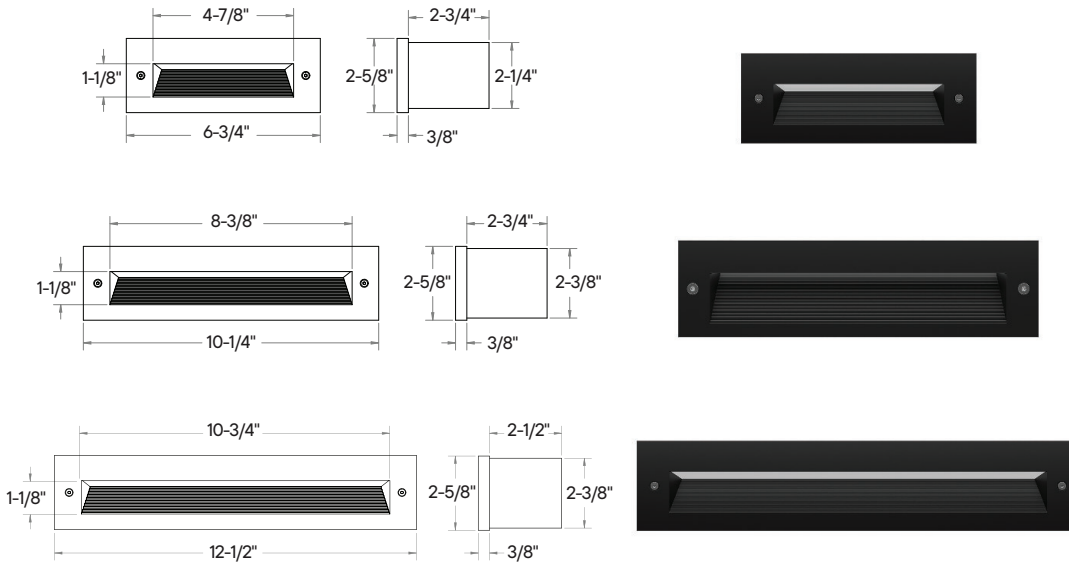


SL97 : 6"/10"/12" DARKLIGHT RECESSED STEP LIGHT 200LM/600LM/500LM (5W/10W/12W)



- Multiple Color Temperatures
- Amber Turtle Safe
- IP65 Rated
- IK08 Rated (10")
- IK10 Rated (6" & 12")
- Die-Cast Face Plate
- Several Finish Options
- Optional Marine Grade Non-Bacterial Coating
- Achieve up to 8' Fixture Spacing at 3' Mounting Height while maintaining a min. of 2 fc at egress

ORDERING : SL9710W-DIN-T27-EMAC

Fixture	Finish	Control	Color Temperature	Emergency Options	Options			
6" Recessed Step Light 200lm (5W)	SL9706 ^{1,4}	Black White Bronze Silver	B W ² BZ ² S ²	0-10V Dimming (120/277Vac) ELV and Triac Dimming (120V) UniDim™ (120V/277V)	Blank -DIN UE-DUN	3000K (80 CRI) -T27 3000K (80 CRI) -T30 3500K (80 CRI) -T35 4000K (80 CRI) -T40 5000K (80 CRI) -T50	None Remote Emergency Inverter (25W)	Blank -EMAC ³
10" Recessed Step Light 600lm (10W)	SL9710							
12" Recessed Step Light 500lm (12W)	SL9712 ^{1,4}			0-10V 1% Dimming (120V/277V)	UE-D10P1	Amber - Limited Wavelength (590nm) -TAM-LVR ¹	None Marine Grade Finish	Blank -MGD ¹

¹Special Order. Minimum order, extended lead time may apply. Consult factory.
²Special Order Finish. Minimum order quantity (MOQ) applies. Orders less than MOQ are subject to a special paint set-up fee for the quantity ordered. Extended lead times may apply. Consult Factory.
³Check Wiring Diagram for Remote Emergency Backup.
⁴SL9706 and SL9712 are only available with (Blank) 0-10V dimming and (-T30), (-T40), and (-T50) color temperatures.

2025.11.03

LITON[®] SL97 : 6"/10"/12" DARKLIGHT RECESSED STEP LIGHT

200LM/600LM/500LM (5W/10W/12W)

SPECIFICATION

Application

A sleek, low-glare step light built for performance in demanding environments. The SL9 features die-cast construction, IP65 protection, and multiple color temperature options - including Turtle-Safe Amber. With smart control compatibility and optional marine-grade finishes, it delivers reliable, architectural-grade lighting indoors or out.

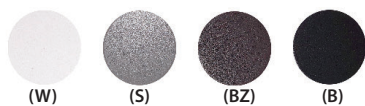
Housing

Two piece die-cast faceplate and housing with silicone gasket. External plastic wiring compartment with five (5) standard 1/2" knockouts.

Faceplate

Rectangular one piece die-cast aluminum faceplate with a powder coat finish and polycarbonate opal lens. Faceplate is installed to the die-cast housing by four (4) stainless steel screws. The separate plastic wiring compartment is secured with 2 tamper resistant stainless steel screws with the faceplate.

Finish



Available in Black, White, Silver and Bronze.
Consult factory for Custom Color. (More Information)

Certifications and Listings

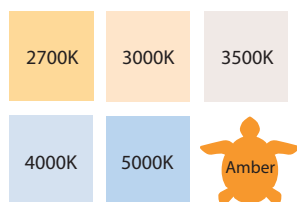


ETL / cETL Listed to UL1598 and UL8750 standards.

Suitable wet locations. (IP65)

ADA compliant and suitable for installation within 4ft of the ground.

LED



Color Temperature: Available in 2700K, 3000K, 3500K, 4000K, and 5000K. 80 CRI standard.
590nm Amber.

Lumen Maintenance

Lumen Maintenance: Lumen Maintenance is minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results.

SPECIFICATION (Continued)

Warranty

Covered by a 5-Year Warranty to be free of defects in materials and craftsmanship. Fixture should not be installed in applications with ambient temperature above 50°C/122°F. Doing so will result in reduced lamp life and voided warranty.

Control Options

ELV and TRIAC Driver 120V (-DIN):

Compatible with electronic low voltage, and 2-Wire incandescent dimmers. Also known as leading edge, Reverse Phase, Forward Phase dimming. Allows smooth dimming down to 5% depending upon the dimmer's limitations.

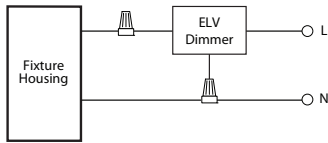
0-10V Driver 120V/277V (UE-D10):

Compatible with most existing 0-10V systems. Also known as fluorescent or 5-Wire dimming. Allows smooth dimming down to 5% depending upon the dimmer's limitations. Compatible with daylight harvesting controls.

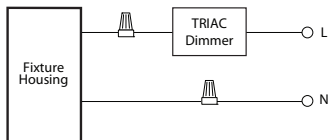
UniDim™ Driver 120V/277V (UE-DUN):

All in one ELV and TRIAC phase dimming (120V only), and 0-10V dimming (120V/277V). Works with most 3-Wire ELV, 2-Wire incandescent and 120V/277V 5-Wire 0-10V fluorescent dimmers.

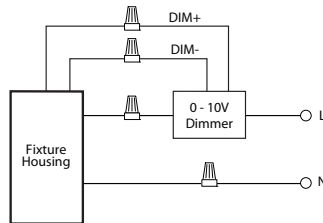
Incandescent/Phase Wiring
ELV



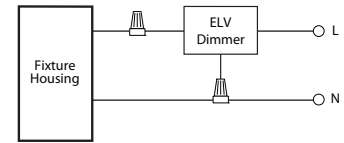
TRIAC



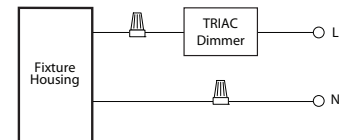
0 - 10V Wiring



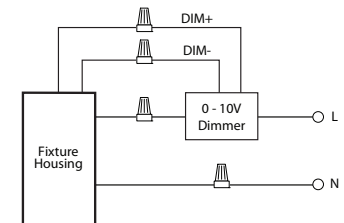
Incandescent/Phase Wiring
ELV



TRIAC



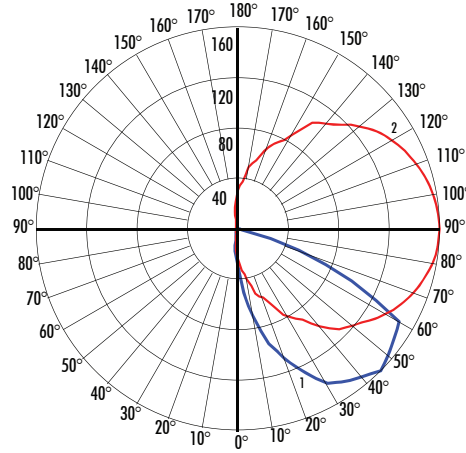
0 - 10V Wiring



PHOTOMETRY

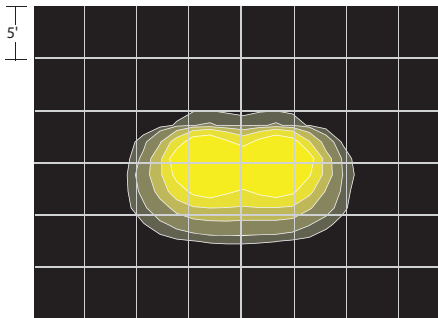
SL9706B-T30 (200lm, 5W, 3000K, CRI 80)

System Power: 5W
 Test Date: 04/22/2025
 Beam Angle 50%: 93.1
 Field Angle 10%: 147.3
 Color Temperature: 2973K
 CRI: 83.8
 Lumens Delivered: 261
 Power Factor: 0.99



Maximum Candela = 159.92 Located At Horizontal Angle = 360, Vertical Angle = 45
 # 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

2 fc 1 fc .5 fc .2 fc .1 fc

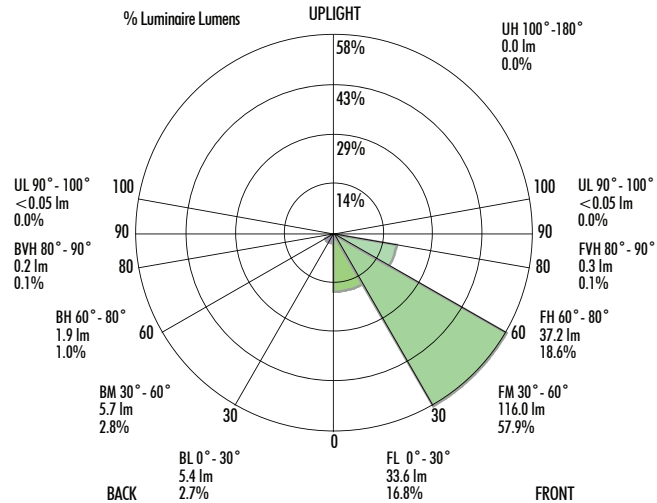


FOOTCANDLES ON GROUND
 2 Fixture Overlap, 8 Ft. Spacing
 3 Ft. Light Source Mtg. Ht., 500 lm

2025.05.21

BUG RATING	B0-U0-G0	
FRONT	Lumens	Lumens %
Low (0-30°)	33.6	16.8%
Medium (30°-60°)	116.0	57.9%
High (60°-80°)	37.2	18.6%
Very High (80°-90°)	0.3	0.1%
BACK		
Low (0-30°)	5.4	2.7%
Medium (30°-60°)	5.7	2.8%
High (60°-80°)	1.9	1.0%
Very High (80°-90°)	0.2	0.1%
UPLIGHT		
Low (90°-100°)	0.0	0.0%
High (100°-180°)	0.0	0.0%

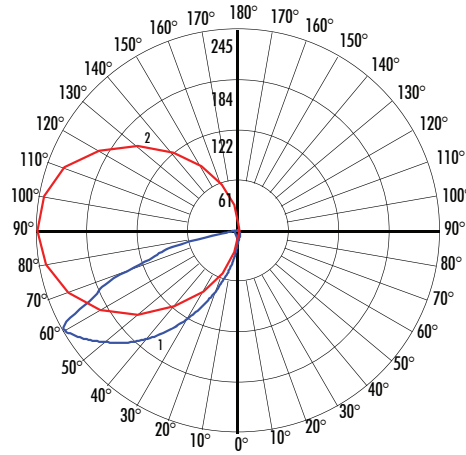
LCS GRAPH



PHOTOMETRY (Continued)

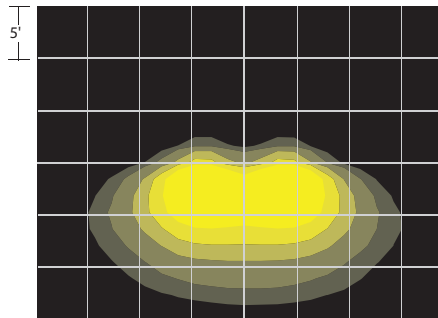
SL9710B-T30 (600lm, 10W, 3000K, CRI 80)

System Power: 9.9W
 Test Date: 04/11/2025
 Beam Angle 50%: 93.1
 Field Angle 10%: 147.3
 Color Temperature: 2973K
 CRI: 83.8
 Lumens Delivered: 261
 Power Factor: 0.99



Maximum Candela = 244.85 Located At Horizontal Angle = 180, Vertical Angle = 60.5
 # 1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (60.5) (Through Max. Cd.)

2 fc 1 fc .5 fc .2 fc .1 fc

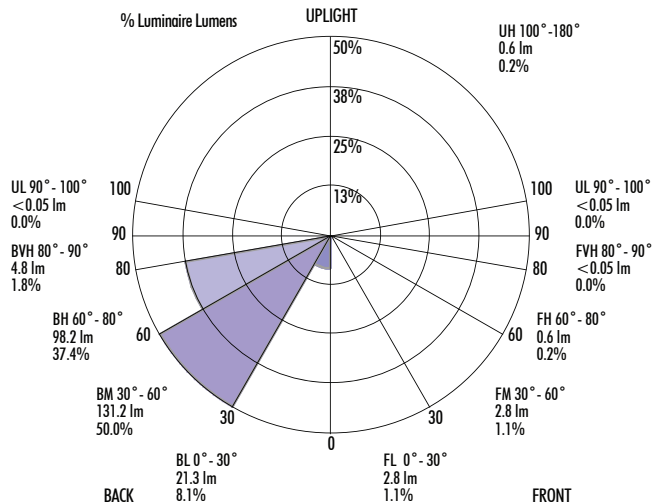


FOOTCANDLES ON GROUND
 2 Fixture Overlap, 8 Ft. Spacing
 3 Ft. Light Source Mtg. Ht., 262.26

2025.05.21

BUG RATING	B0-U0-G0	
FRONT	Lumens	Lumens %
Low (0-30°)	2.8	1.1%
Medium (30°-60°)	2.8	1.1%
High (60°-80°)	0.6	0.2%
Very High (80°-90°)	<0.05	0.0%
BACK		
Low (0-30°)	21.3	8.1%
Medium (30°-60°)	131.2	50.0%
High (60°-80°)	98.2	37.4%
Very High (80°-90°)	5.4	2.0%
UPLIGHT		
Low (90°-100°)	0.0	0.0%
High (100°-180°)	0.0	0.0%

LCS GRAPH





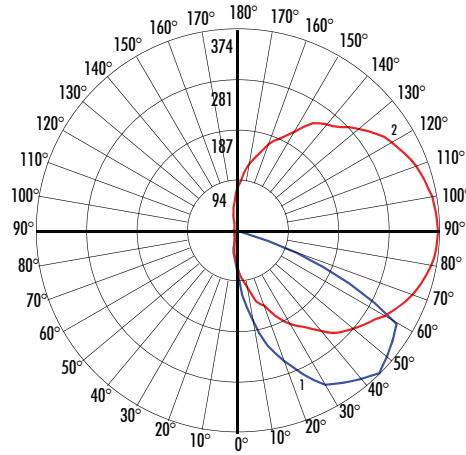
SL97 : 6"/10"/12" DARKLIGHT RECESSED STEP LIGHT

200LM/600LM/500LM (5W/10W/12W)

PHOTOMETRY (Continued)

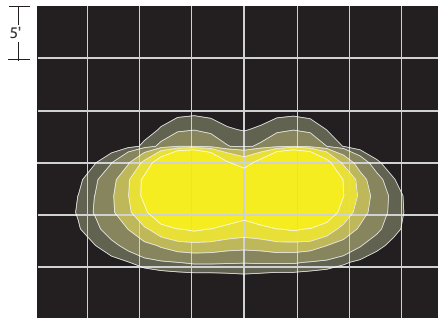
SL9712B-T30 (500lm, 12W, 3000K, CRI 80)

System Power: 12W
 Test Date: 04/22/2025
 Beam Angle 50%: 91.5
 Field Angle 10%: 140.3
 Color Temperature: 2973K
 CRI: 83.8
 Lumens Delivered: 499
 Power Factor: 0.99



Maximum Candela = 374.4 Located At Horizontal Angle = 360, Vertical Angle = 45
 # 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

2 fc 1 fc .5 fc .2 fc .1 fc



FOOTCANDLES ON GROUND
 2 Fixture Overlap, 8 Ft. Spacing
 3 Ft. Light Source Mtg. Ht., 1200 Ir

2025.05.21

BUG RATING	B0-U0-G0	
FRONT	Lumens	Lumens %
Low (0-30°)	78.2	15.7%
Medium (30°-60°)	279.6	56.0%
High (60°-80°)	109.9	22.0%
Very High (80°-90°)	1.1	0.2%
BACK		
Low (0-30°)	12.1	2.4%
Medium (30°-60°)	13.4	2.7%
High (60°-80°)	4.6	0.9%
Very High (80°-90°)	0.3	0.1%
UPLIGHT		
Low (90°-100°)	0.0	0.0%
High (100°-180°)	0.0	0.0%

LCS GRAPH

