

# EASY LINE - Total Light LL9

EASY LINE is a vertical, bendable LED strip that is IP65-IP68 rated ideal for fountains or swimming pools for panel installation in reinforced concrete with tiles or pool liner. It is available in Transparent, Frost, Clear or Total Light with static white, tunable white or RGB, and guarantees protection against UV rays and the corrosive action of salt and sodium hypochlorite. EASY LINE Total Light has opal resin with an opal outercasing. **Not cuttable in the field.**



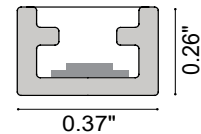
UL 676



## TECHNICAL DATA

<b>Wattage</b>	8W / 3.28 ft (1 m)	
<b>Power Supply</b>	Remote Fountain/Pool Approved 24VDC Power Supply, not included. See page 2.	
<b>Construction</b>	Body: Opal Polyurethane Resin Outercase: Opal PVC	
<b>CCT</b>	2950K, 3250K, 5000K, 5900K (204 LED / 3.28') Warm White on request: 2000K, 2400K, 2700K	
<b>CRI</b>	85	
<b>Delivered Lumens</b>	505 lm / 3.28' (2950K) 545 lm / 3.28' (3250K)	535 lm / 3.28' (5000K) 590 lm / 3.28' (5900K)
<b>Efficacy</b>	63.1 lm/W (2950K) 68.1 lm/W (3250K)	66.9 lm/W (5000K) 73.8 lm/W (5900K)
<b>Optics</b>	120°	
<b>Fixture Dimensions</b>	0.37" w x 0.26" h x Various Lengths	
<b>LED Source</b>	SMD 3014	
<b>LED Spacing</b>	204 LED per 3.28 ft (1 m), 0.20" between LEDs	
<b>Lumen Maintenance</b>	L80, B10>50,000 hrs	
<b>Color Consistency</b>	2-3-Step MacAdam	
<b>Operating Temp</b>	-22°F to 131°F	
<b>IP Rating</b>	IP65, IP68	

Fixture Dimensions



**NOT CUTTABLE IN THE FIELD**

## ORDERING INFORMATION

Example: LL9-N.24.68.TL.US. Power Supplies / Accessories ordered separately.

LL9	-		.	24	.		.	TL	.	US
<b>Model No.</b>	<b>CCT</b>	<b>Power</b>	<b>IP Rating</b>	<b>TL</b>	<b>US</b>					
LL9 - 204 LED / 3.28' (1 m)	<b>V</b> - 2950K <b>W</b> - 3250K <b>N</b> - 5000K <b>C</b> - 5900K <i>Warm White</i> <i>On Request</i> <b>V8</b> - 2000K <b>V2</b> - 2400K <b>V5</b> - 2700K	24 - 24VDC	<b>65</b> - IP65 <b>68</b> - IP68	TL - Total Light	US					

Job Name/Date:

Fixture Type Designation:

## SUGGESTED POWER SUPPLIES

24VDC - **TO BE USED WITH FOUNTAIN / SWIMMING POOLS**

Part Number	Description	Input/Output	# of Fixtures
<a href="#">FPV-100110024</a>	ELV / TRIAC & 0-10V Dimming (100 to 0%)	120-277VAC to 24VDC, 100W, Class 2, NEMA 4	1-9
<a href="#">FPV-100000024</a>	Non-Dim	120-277VAC to 24VDC, 100W, Class 2, NEMA 4	1-10
<a href="#">FPV-100100024</a>	0-10V Dimming (2 Channels)	120-277VAC to 24VDC, 100W, Class 2, NEMA 4	1-20

## SUGGESTED POWER SUPPLIES

24VDC - **TO BE USE FOR INDOOR/OUTDOOR USE - NOT Fountain / Swimming Pool**

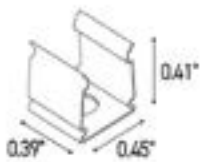
Part Number	Description	Input/Output	# of Fixtures
<a href="#">PPLT00690</a>	ELV / TRIAC & 0-10V Dimming	120-277VAC to 24VDC, 40W, Class 2, IP67	1-4
<a href="#">PPLT00543</a>	0-10V Dimming to 15% (-40°C / -40°F cold weather start)	120-277VAC to 24VDC, 100W, Class 2	1-10

Suggested Lutron Compatible - **FOR INDOOR/OUTDOOR USE ONLY**

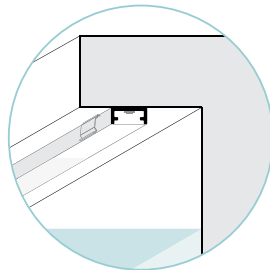
Part Number	Option	Lutron SKU	Dim Range	Description	Input/Output	# of Fixtures
<a href="#">PPLT00273</a>	L3DAE / L3DA3W	L3DA	100%-1%	Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driver	120-277VAC to 24VDC, 40W, Class 2	1-4
<a href="#">PPLT00530</a>	L3DAE / L3DA3W	L3DA	100%-1%	Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driver	120-277VAC to 24VDC, 96W, Class 2	1-9

For other power supply options consult factory.

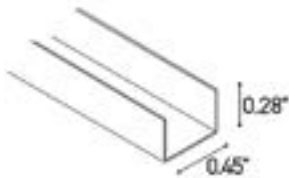
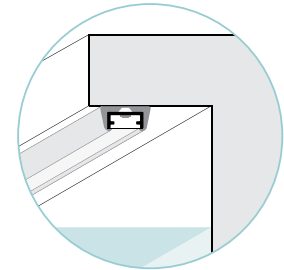
## ACCESSORIES - Installation



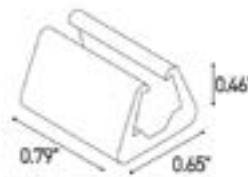
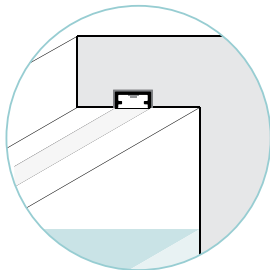
**CLIP-AC-9.5x6.5-AC**  
Harmonic steel clips



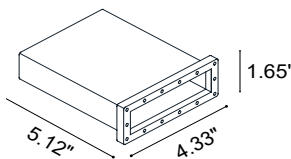
**OUT-S-9.5x6.5.F/W**  
White Flexible Silicone  
Outercase L=16.40'



**PRO-AL-9.5x6.5-AL**  
Rigid Aluminum Outercase  
L=9.84'



**CLIP-S-9.5x6.5.F/W**  
Silicone Clip

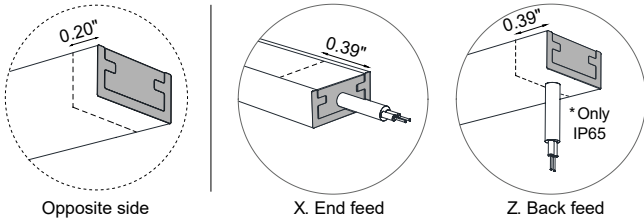


**CABLE-BOX**  
Cable box

Job Name/Date:

Fixture Type Designation:

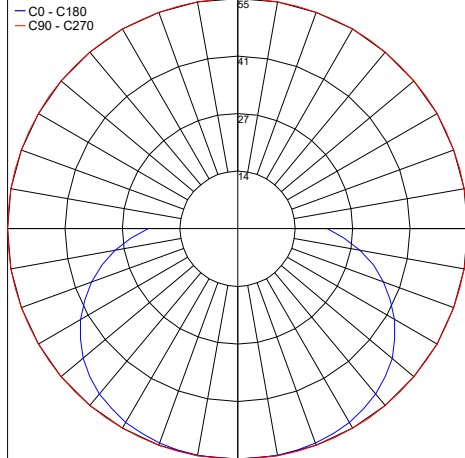
## POWER CABLE EXIT / AREA WITH REDUCED LIGHT



## PHOTOMETRIC DATA

### 2950K

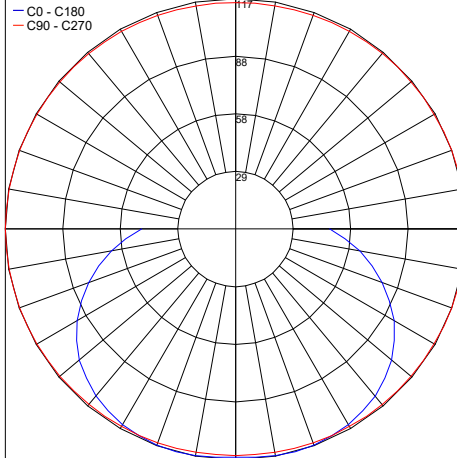
Maximum Candela = 54.7



PHOTOMETRIC FILENAME : EASY LINE TOTAL LIGHT LL9.SVF24(R).TL.2950K.IES

### 3250K

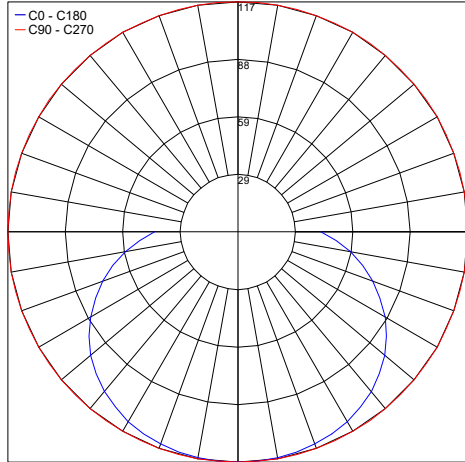
Maximum Candela = 117



PHOTOMETRIC FILENAME : EASY LINE TOTAL LIGHT LL9.SWF24-6568.TL.3250K.IES

### 5000K

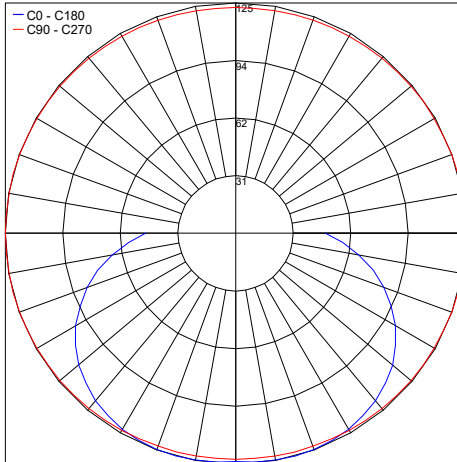
Maximum Candela = 117.4



PHOTOMETRIC FILENAME : EASY LINE TOTAL LIGHT LL9.SNF24-6568.TL.5000K.IES

### 5900K

Maximum Candela = 124.9



PHOTOMETRIC FILENAME : EASY LINE TOTAL LIGHT LL9.SCF24-6568.TL.5900K.IES

Job Name/Date:

Fixture Type Designation: