

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.**



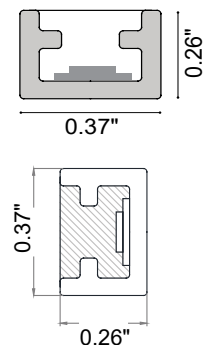
UL 676



TECHNICAL DATA

Wattage	8W / 3.28 ft (1 m)	
Power Supply	Remote Fountain/Pool Approved 24VDC Power Supply, not included. See page 2.	
Construction	Body: Opal Polyurethane Resin Outercase: Opal PVC	
CCT	2950K, 3250K, 5000K, 5900K (204 LED / 3.28') Warm White on request: 2000K, 2400K, 2700K	
CRI	85	
Delivered Lumens	505 lm / 3.28' (2950K) 545 lm / 3.28' (3250K)	535 lm / 3.28' (5000K) 590 lm / 3.28' (5900K)
Efficacy	63.1 lm/W (2950K) 68.1 lm/W (3250K)	66.9 lm/W (5000K) 73.8 lm/W (5900K)
Optics	120°	
Fixture Dimensions	0.37" w x 0.26" h x Various Lengths	
Bend Radius	2.36"	
LED Source	SMD 3014	
LED Spacing	204 LED per 3.28 ft (1 m), 0.20" between LEDs	
Lumen Maintenance	L80, B10>50,000 hrs	
Color Consistency	2-3-Step MacAdam	
Operating Temp	-22°F to 131°F	
IP Rating	IP65, IP68	

Fixture Dimensions



NOT CUTTABLE IN THE FIELD

**MUST USE SUITABLE APPROVED
FOUNTAIN & SWIMMING POOL
POWER SUPPLY WHICH
IS REMOTELY MOUNTED**

ORDERING INFORMATION

Example: LL9E-N.24.68.TL.X.US. Power Supplies / Accessories ordered separately.

LL9E	-		.	24	.		.	TL	.		.	US
Model No.	CCT		Power		IP Rating				Cable Exit			
LL9E - 204 LED / 3.28' (1 m)	V - 2950K	Warm White	24 - 24VDC		65 - IP65		TL - Total Light		X - End Feed		US	
NOTE: Available in lengths up to 75 feet. Please specify length when ordering.	W - 3250K	On Request			68 - IP68				Z - Back Feed			
	N - 5000K	V8 - 2000K							NOTE: Back Feed			
	C - 5900K	V2 - 2400K							(Z) only available			
		V5 - 2700K							on IP65 versions			

NOTE: Available in lengths up to 75 feet. Please specify length when ordering.

Job Name/Date:

Fixture Type Designation:

SUGGESTED POWER SUPPLIES24VDC - **TO BE USED WITH FOUNTAIN / SWIMMING POOLS**

Part Number	Description	Input/Output	# of Fixtures
FPV-100110024	ELV / TRIAC & 0-10V Dimming (100 to 0%)	120-277VAC to 24VDC, 100W, Class 2, IP66, NEMA 4X	1-9
FPV-100000024	Non-Dim	120-277VAC to 24VDC, 100W, Class 2, IP66, NEMA 4X	1-10
FPV-100100024	0-10V Dimming (2 Channels)	120-277VAC to 24VDC, 100W, Class 2, IP66, NEMA 4X	1-20

DRIVERS IN NEMA 4X ENCLOSURE - FOR INDOOR/OUTDOOR USE ONLY

Remote 24VDC - ELV / TRIAC / 0-10V



PPLT00715

Part Number	Description	Input/Output	# of Fixtures
PPLT00715	ELV / TRIAC / 0-10V Dimming to 0.1%	120-277VAC to 24VDC, 96W, Class 2, WET/DAMP	1-9

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

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

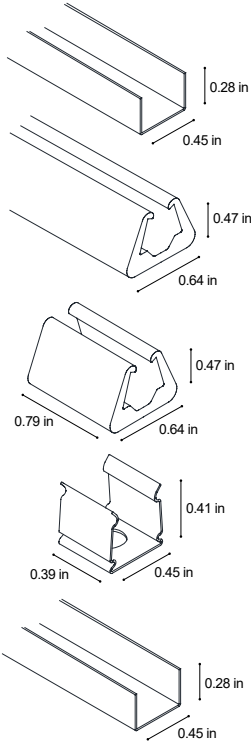
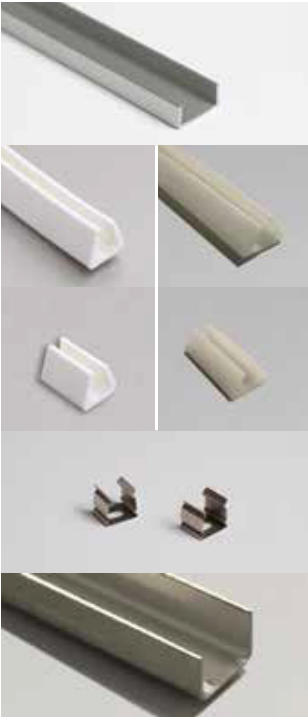
For other power supply options consult factory.

Job Name/Date:

Fixture Type Designation:

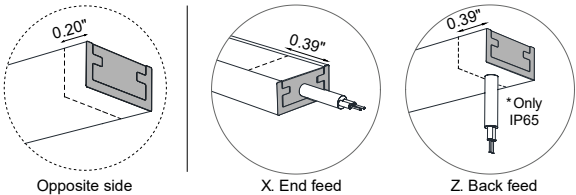
ACCESSORIES

Installation / Mounting for 0.37x0.26 inch



Code	Finishing	Description
PRO-AL-9.5x6.5-AL	Aluminum	Rigid guide L max 9.84 ft
OUT-S-9.5x6.5.W OUT-S-9.5x6.5.F	White Opal	Silicone profile
CLIP-S-9.5x6.5.W CLIP-S-9.5x6.5.F	White Opal	Silicone clip
CLIP-AC-9.5x6.5-AC	AISI 304 harmonic steel	Steel clip
PRO-AC-9.5x6.5-AC	AISI 316 harmonic steel	Rigid guide L max 8.20 ft

POWER CABLE EXIT / AREA WITH REDUCED LIGHT



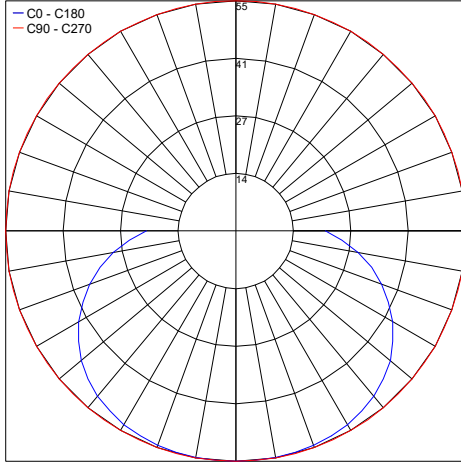
Job Name/Date:

Fixture Type Designation:

PHOTOMETRIC DATA

2950K

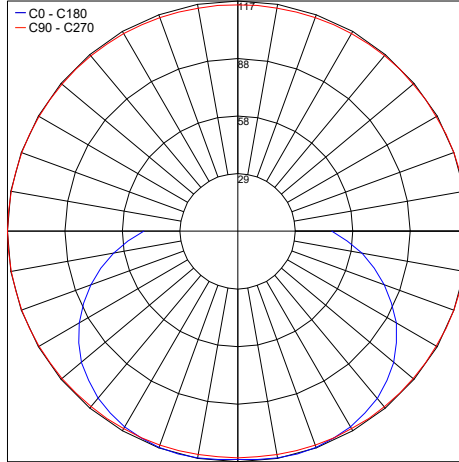
Maximum Candela = 54.7



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

3250K

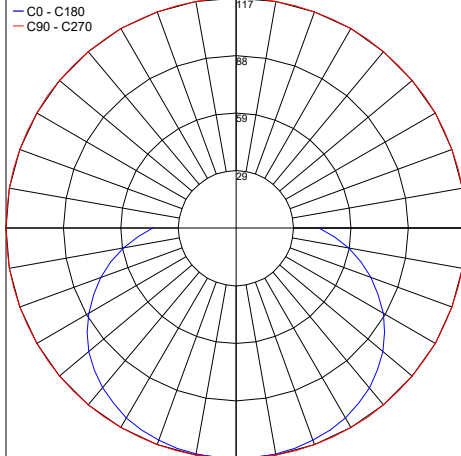
Maximum Candela = 117



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

5000K

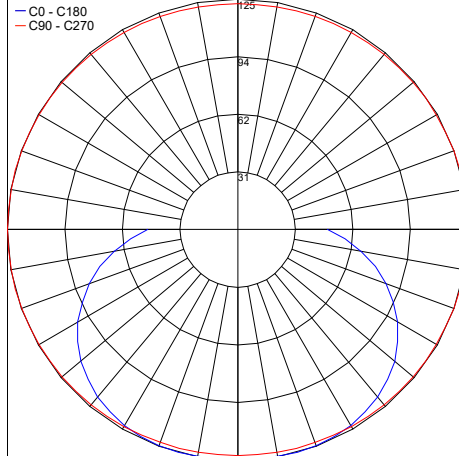
Maximum Candela = 117.4



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: