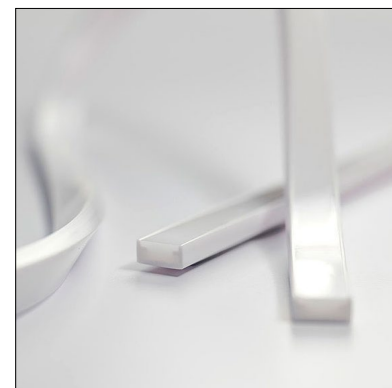


EASY LINE - Frost LL9

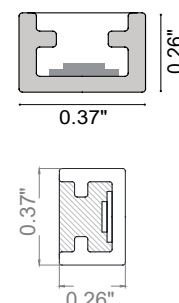
EASY LINE is a vertical, bendable LED strip that is IP65-IP68 rated ideal for fountains or swimming pools for panel installation in reinforced concrete with tiles or pool liner. It is available in Transparent, Frost, Clear or Total Light with static white, tunable white or RGB, and guarantees protection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



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: White PVC	
CCT	2900K, 3250K, 4800K, 5950K (204 LED / 3.28') Warm White on request: 2000K, 2400K, 2700K	
CRI	85	
Delivered Lumens	415 lm / 3.28' (2900K) 415 lm / 3.28' (3250K)	445 lm / 3.28' (4800K) 450 lm / 3.28' (5950K)
Efficacy	51.8 lm/W (2900K) 51.8 lm/W (3250K)	55.6 lm/W (4800K) 56.3 lm/W (5950K)
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.FX.US. Power Supplies / Accessories ordered separately.

LL9E	-		.	24	.		.	F	.		.	US
Model No.	CCT		Power		IP Rating				Cable Exit			
LL9E - 204 LED / 3.28' (1 m)	V - 2900K	Warm White	24 - 24VDC		65 - IP65		F - Frost		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 - 4800K	V8 - 2000K							NOTE: Back Feed (Z) only available on IP65 versions			
	C - 5950K	V2 - 2400K										
			V5 - 2700K									

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

Job Name/Date:

Fixture Type Designation:

SUGGESTED POWER SUPPLIES**24VDC - 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 ENCLOSURE - FOR INDOOR/OUTDOOR USE ONLY

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



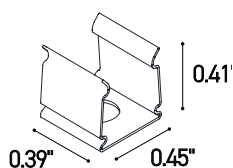
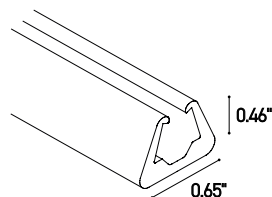
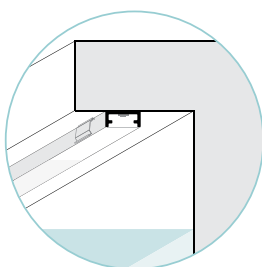
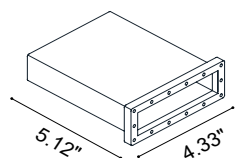
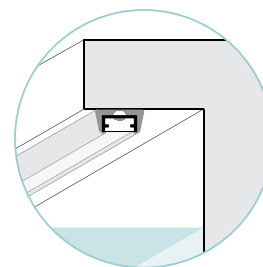
PPLT00715

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

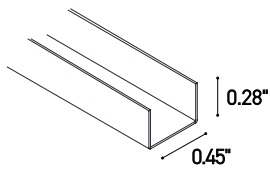
For other power supply options consult factory.

ACCESSORIES - Installation (continued on page 3)**CLIP-AC-9.5x6.5-AC**
Harmonic steel clips**OUT-S-9.5x6.5.F/W**
Flexible Silicone Outercase
L=16.4"**CABLE-BOX**
Cable box

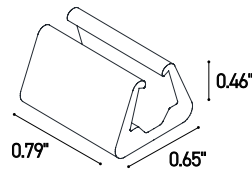
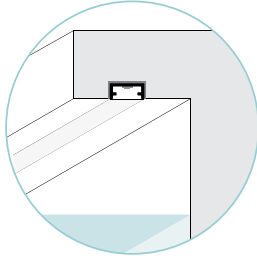
Job Name/Date:

Fixture Type Designation:

ACCESSORIES - Installation

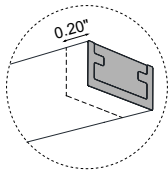


PRO-AL-9.5x6.5-AL
Rigid Aluminum Outercase
L=9.84'

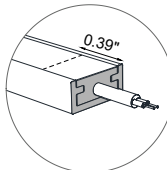


CLIP-S-9.5x6.5.F/W
Silicone Clip

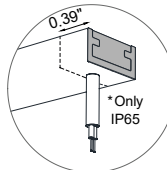
POWER CABLE EXIT / AREA WITH REDUCED LIGHT



Opposite side



X. End feed

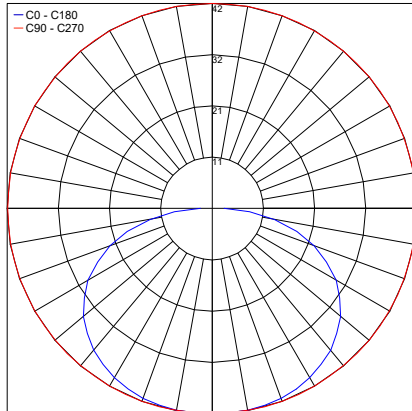


Z. Back feed
*Only IP65

PHOTOMETRIC DATA

2900K

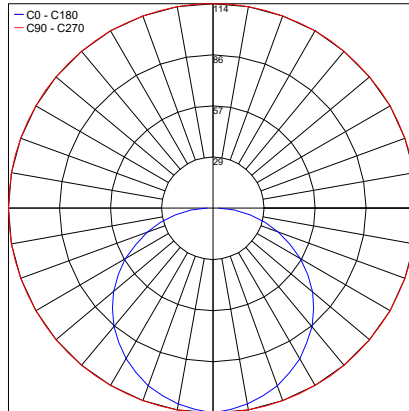
Maximum Candela = 42.2



PHOTOMETRIC FILENAME : EASY LINE FROST - LL9.SVF24(R).F 2900K.IES

3250K

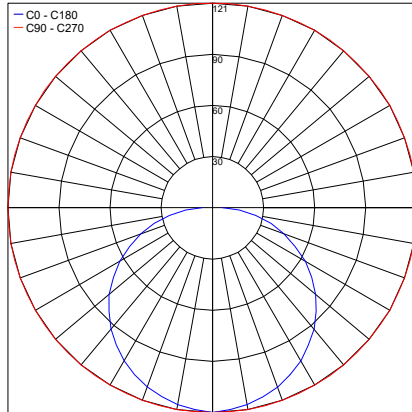
Maximum Candela = 114.2



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4800K

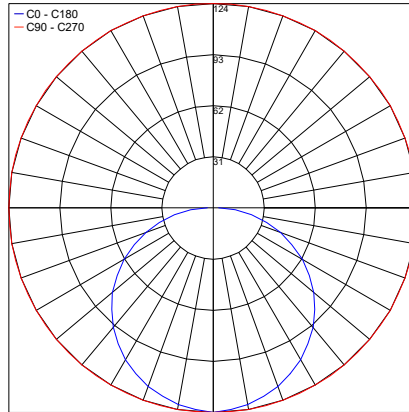
Maximum Candela = 120.6



PHOTOMETRIC FILENAME : EASY LINE FROST - LL9.SNF24-6568.F 4800K.IES

5950K

Maximum Candela = 123.8



PHOTOMETRIC FILENAME : EASY LINE FROST - LL9.SCF24-6568.F 5950K.IES

Job Name/Date:

Fixture Type Designation: