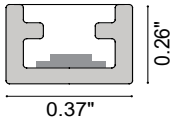
EASY LINE - Frost LL10

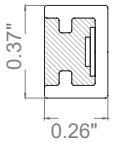
datasheet

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.**

UL 676

Fixture Dimensions





NOT CUTTABLE IN THE FIELD

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

TECHNICAL DATA

Wattage	11W / 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	2850K, 3150K, 4350K, 5500K (204 LED / 3.28') Warm White on request: 2000K, 2400K, 2700K	
CRI	85	
Delivered Lumens	620 lm / 3.28' (2850K) 570 lm / 3.28' (3150K)	590 lm / 3.28' (4350K) 620 lm / 3.28' (5500K)
Efficacy	56.4 lm/W (2850K) 51.8 lm/W (3150K)	51.6 lm/W (4350K) 56.4 lm/W (5500K)
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	

ORDERING INFORMATION

Example: LL10E-N.24.68.F.X.US. Power Supplies / Accessories ordered separately.

LL10E	-		.	24	.		.	F	.		.	US

Model No.	CCT		Power	IP Rating		Cable Exit	
LL10E - 204 LED / 3.28' (1 m)	**V** - 2850K	*Warm White On Request*	**24** - 24VDC	**65** - IP65	**F** - Frost	**X** - End Feed	**US**
NOTE: Available in lengths up to 75 feet. Please specify length when ordering.	**W** - 3150K	**V8** - 2000K		**68** - IP68		**Z** - Back Feed	
	N - 4350K	**V2** - 2400K				**NOTE:** Back Feed (Z) only available on IP65 versions	
	C - 5500K	**V5** - 2700K					

Job Name/Date:

Fixture Type Designation:

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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, NEMA 4	1-6
FPV-100000024	Non-Dim	120-277VAC to 24VDC, 100W, Class 2, NEMA 4	1-7
FPV-100100024	0-10V Dimming (2 Channels)	120-277VAC to 24VDC, 100W, Class 2, NEMA 4	1-14

SUGGESTED POWER SUPPLIES

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

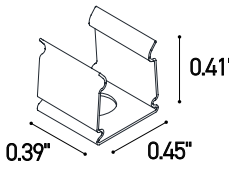
Part Number	Description	Input/Output	# of Fixtures
PPLT00690	ELV / TRIAC & 0-10V Dimming	120-277VAC to 24VDC, 40W, Class 2, IP67	1-2
PPLT00543	0-10V Dimming to 15% (-40°C / -40°F cold weather start)	120-277VAC to 24VDC, 100W, Class 2	1-7

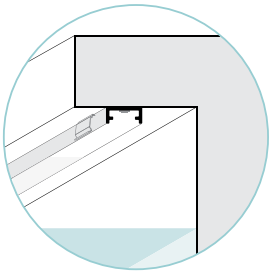
Suggested Lutron Compatible - **FOR INDOOR/OUTDOOR USE ONLY**

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	1-2
PPLT00530	L3DAE / L3DA3W	L3DA	100%-1%	Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driver	120-277VAC to 24VDC , 96W, Class 2	1-6

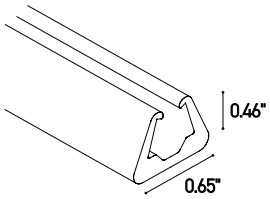
For other power supply options consult factory.

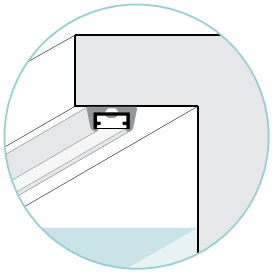
ACCESSORIES - Installation



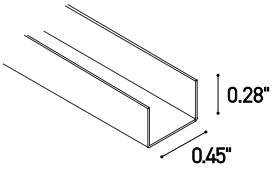


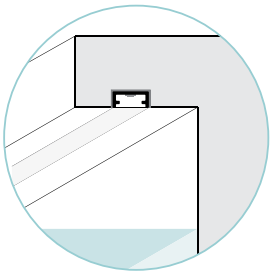
CLIP-AC-9.5x6.5-AC
Harmonic steel clips



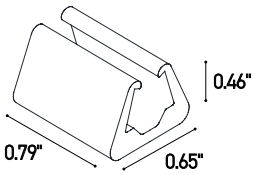


OUT-S-9.5x6.5.F/W
Flexible Silicone Outercase
L=16.4”

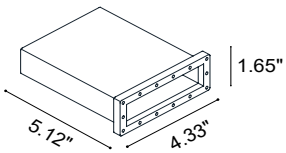




PRO-AL-9.5x6.5-AL
Rigid Aluminum Outercase
L=9.84’



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



CABLE-BOX
Cable box

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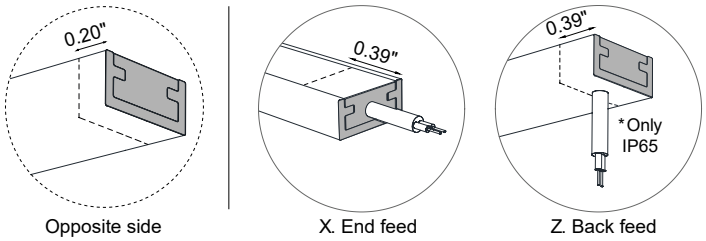
POWER CABLE EXIT / AREA WITH REDUCED LIGHT

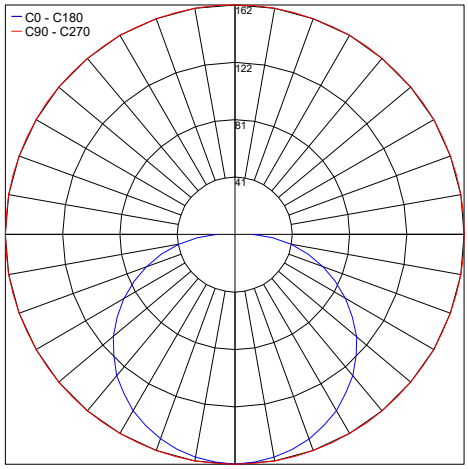


Opposite side | X. End feed | Z. Back feed

PHOTOMETRIC DATA

2850K

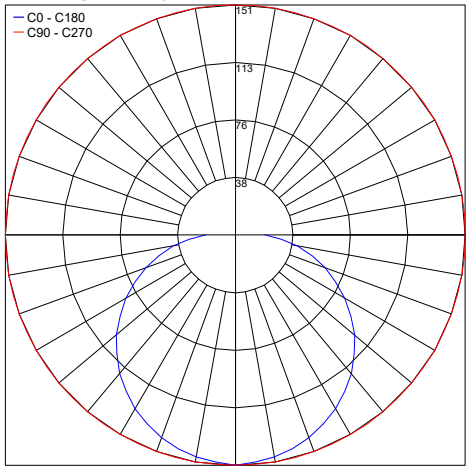
Maximum Candela = 162.4



PHOTOMETRIC FILENAME : EASY LINE FROST - LL10.SVF24-6568.F 2850K.IES

3150K

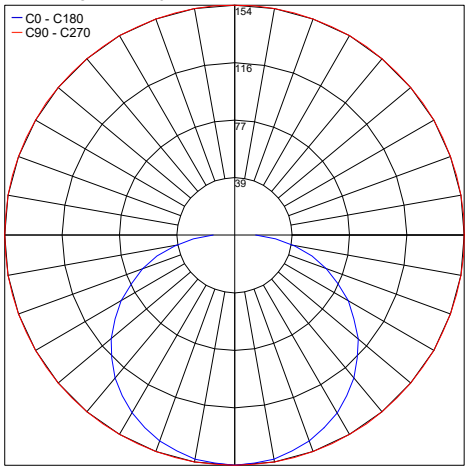
Maximum Candela = 151.1



PHOTOMETRIC FILENAME : EASY LINE FROST - LL10-W.24.68.F 3150K.IES

4350K

Maximum Candela = 154.4



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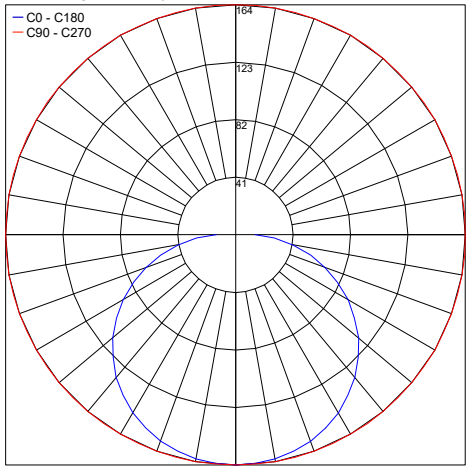
5500K

Maximum Candela = 164



PHOTOMETRIC FILENAME : EASY LINE FROST - LL10.SCF24-6568.F 5500K.IES

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