

EASY LINE - Frost LL3

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.**



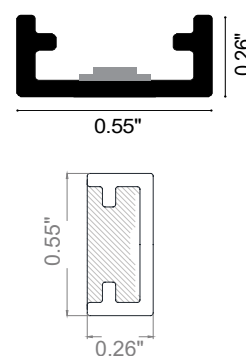
UL 676



TECHNICAL DATA

Wattage	5W / 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	3050K, 3550K, 4700K, 6250K (60 LED / 3.28') Single Colors: Red, Green, Blue, Amber Warm White on request: 2000K, 2400K, 2700K	
CRI	85	
Delivered Lumens	340 lm / 3.28' (3050K) 325 lm / 3.28' (3550K)	320 lm / 3.28' (4700K) 340 lm / 3.28' (6250K)
Efficacy	68 lm/W (3050K) 65 lm/W (3550K)	64 lm/W (4700K) 68 lm/W (6250K)
Nanoscale	Red: 625 nm Green: 525 nm	Blue: 470 nm Amber: 590 nm
Optics	120°	
Fixture Dimensions	0.55" w x 0.26" h x Various Lengths	
Bend Radius	2.36"	
LED Source	SMD 3014	
LED Spacing	60 LED per 3.28 ft (1 m), 0.67" 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: LL3E-N.24.68.FX.US Power Supplies / Accessories ordered separately.

LL3E	-		24	.		F	.		US
Model No.	CCT		Power	IP Rating		Cable Exit			
LL3E - 60 LED / 3.28' (1 m)	V - 3050K	Warm White	24 - 24VDC	65 - IP65	F - Frost	X - End Feed	US		
	W - 3550K	On Request		68 - IP68		Z - Back Feed			
	N - 4700K	V8 - 2000K				NOTE: Back Feed (Z) only available on IP65 versions			
	C - 6250K	V2 - 2400K							
	R - Red	V5 - 2700K							
	G - Green								
	B - Blue								
	A - Amber								

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	1-15
FPV-100000024	Non-Dim	120-277VAC to 24VDC, 100W, Class 2, IP66, NEMA 4X	1-16
FPV-100100024	0-10V Dimming (2 Channels)	120-277VAC to 24VDC, 100W, Class 2, IP66, NEMA 4X	1-32

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	1-15

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

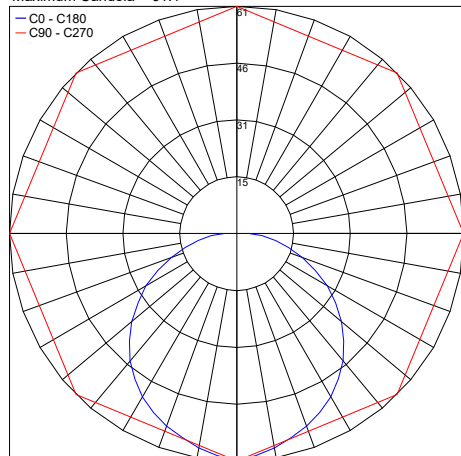
Part Number	Option	Lutron SKU	Dim Range	Description	Input/Output	# of Fixtures
PPLT00273	L3DAE / L3DA3W	L3DA	100%-1%	Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driver	120-277VAC to 24VDC, 40W, Class 2	1-6
PPLT00530	L3DAE / L3DA3W	L3DA	100%-1%	Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driver	120-277VAC to 24VDC, 96W, Class 2	1-15

For other power supply options consult factory.

PHOTOMETRIC DATA

2000K

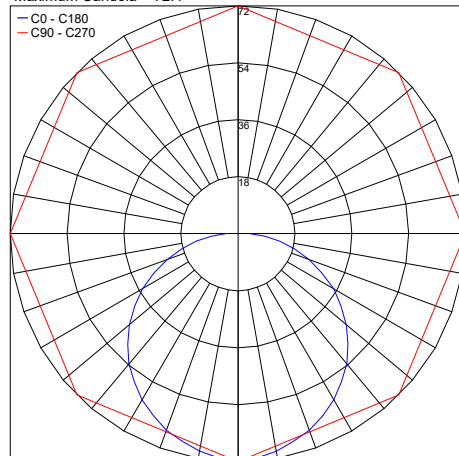
Maximum Candela = 61.1



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2700K

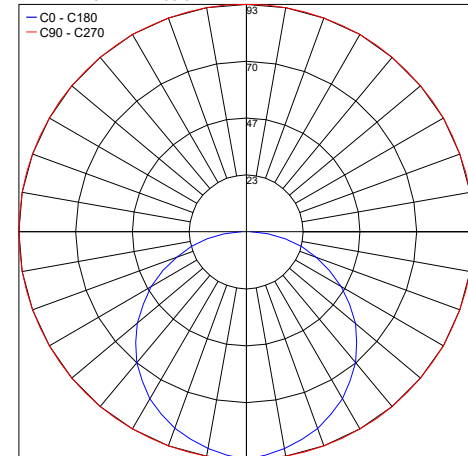
Maximum Candela = 72.4



PHOTOMETRIC FILENAME : EASY LINE FROST - LL3-V5.1224.6568.F 2700K.IES

4700K

Maximum Candela = 93.3



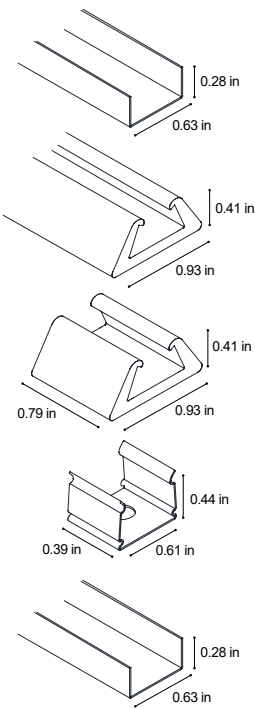
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Job Name/Date:

Fixture Type Designation:

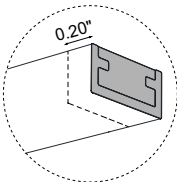
ACCESSORIES

Installation / Mounting for 0.55x0.26 inch

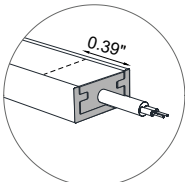


Code	Finishing	Description
PRO-AL-14x6.5-AL	Aluminum	Rigid guide L max 9.84 ft
OUT-S-14x6.5.W	White	Silicone profile
CLIP-S-14x6.5.W	White	Silicone clip
CLIP-AC-14x6.5-AC	AISI 304 harmonic steel	Steel clip
PRO-AC-14x6.5-AC	AISI 316 harmonic steel	Rigid guide L max 8.20 ft

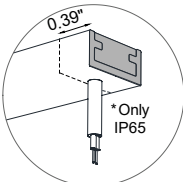
POWER CABLE EXIT / AREA WITH REDUCED LIGHT



Opposite side



X. End feed



Z. Back feed

Job Name/Date:

Fixture Type Designation: