

MIDI LINE - Top Light LL9

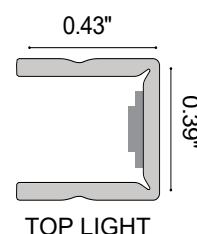
MIDI LINE is an easy to install, bendable LED strip that is IP65/IP68-rated making it ideal for swimming pools or fountains for panel installation in reinforced concrete with tiles or pool liner or indoor/outdoor areas. It is available in Side, Top or Total Light with static white, tunable white or RGB. White PVC outercase and opal resin guarantee protection against UV rays and the corrosive action of salt and sodium hypochlorite. **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	
CCT	2700K, 3000K, 4000K, 5300K (204 LED / 3.28') Warm White on request: 2000K, 2400K, 2700K	
CRI	85	
Delivered Lumens	265 lm / 3.28' (2700K) 270 lm / 3.28' (3000K)	245 lm / 3.28' (4000K) 275 lm / 3.28' (5300K)
Efficacy	33.1 lm/W (2700K) 33.8 lm/W (3000K)	30.6 lm/W (4000K) 34.4 lm/W (5300K)
Optics	120°	
Fixture Dimensions	0.43" w x 0.39" h x Various Lengths	
Bend Radius	3.94" - Vertical	
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: LL9M-N.24.68.MD.X.US. Power Supplies / Accessories ordered separately.

LL9M	-		.	24	.		.	MD	.		.	US
Model No.	CCT		Power		IP Rating				Cable Exit			
LL9M - 204 LED / 3.28' (1 m)	V - 2700K	Warm White	24 - 24VDC		65 - IP65		MD - Top Light		X - End Feed		US	
NOTE: Available in lengths up to 75 feet. Please specify length when ordering.	W - 3000K	On Request			68 - IP68				Y - Side Feed			
	N - 4000K	V8 - 2000K							Z - Back Feed			
	C - 5300K	V2 - 2400K										
		V5 - 2700K										

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	1-10

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**

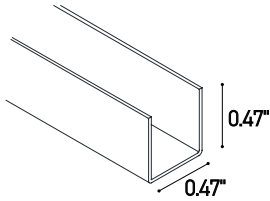
Part Number	Option	Lutron SKU	Dim Range	Description	Input/Output	# of Fixtures
PPLT00273	L3DAE / L3DA3W	L3DA	100%-1%	Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driver	120-277VAC to 24VDC, 40W, Class 2	1-4
PPLT00530	L3DAE / L3DA3W	L3DA	100%-1%	Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driver	120-277VAC to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

For other power supply options consult factory.

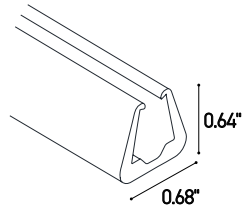
Job Name/Date:

Fixture Type Designation:

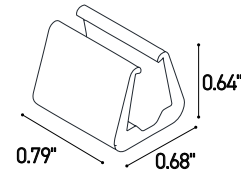
ACCESSORIES - Installation



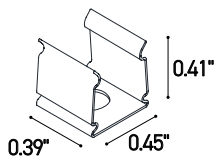
PRO-AL-10x11-AL
Rigid Aluminum Outer case
L=9.84'



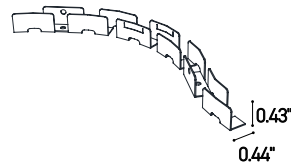
OUT-S-10x11.F/W
Flexible Silicone Outer case
L=16.40'



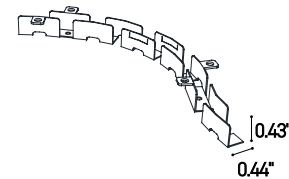
CLIP-S-10x11.F/W
Silicone Clip



CLIP-AC-9.5x6.5-AC
Harmonic Steel Clip

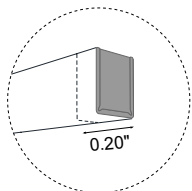


SNK-AC-10x11-AC
Flexible Steel Profile
L=3.28'

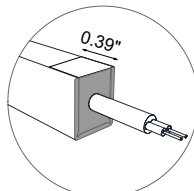


SNK2-AC-10x11-AC
Flexible Steel Profile for
Plasterboard L = 3.28'

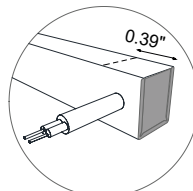
POWER CABLE EXIT/AREA WITH REDUCED LIGHT



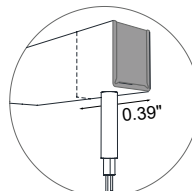
Opposite side



X. End feed



Y. Side feed



Z. Back feed

Job Name/Date:

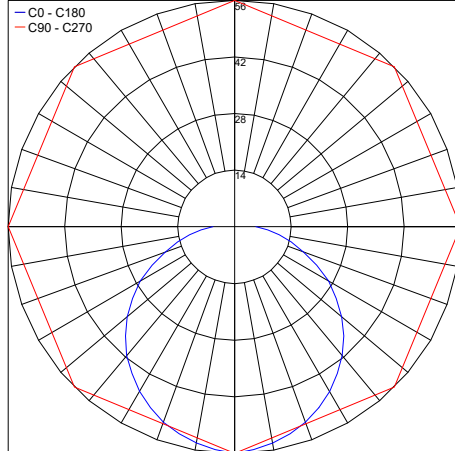
Fixture Type Designation:

MIDI LINE - Top Light LL9

PHOTOMETRIC DATA

2000K

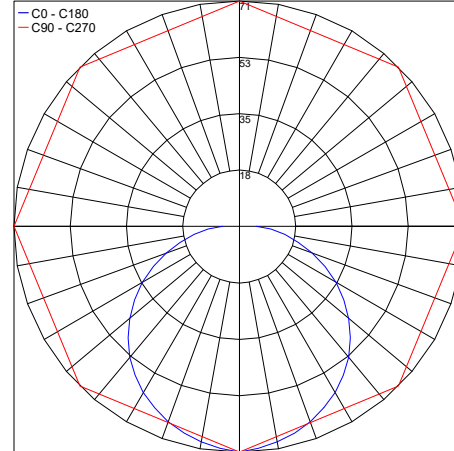
Maximum Candela = 56.3



PHOTOMETRIC FILENAME : MIDI LINE TOP LIGHT LL9 2000K - LL9-V5.2448.6568.MD.IES

2400K

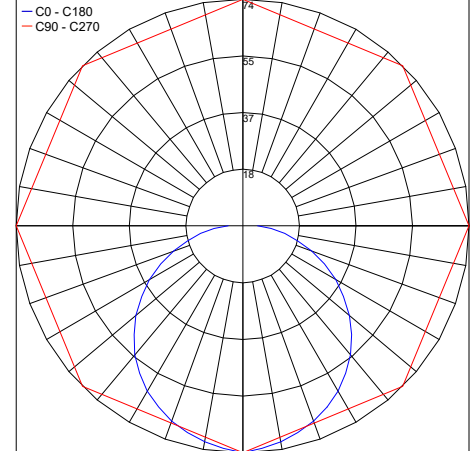
Maximum Candela = 70.7



PHOTOMETRIC FILENAME : MIDI LINE TOP LIGHT LL9 2400K - LL9-V2.2448.6568.MD.IES

2700K

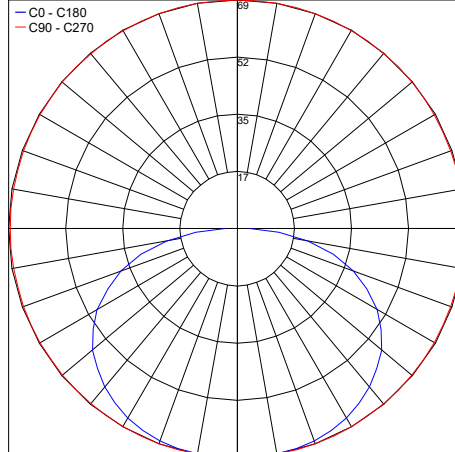
Maximum Candela = 73.96



PHOTOMETRIC FILENAME : MIDI LINE TOP LIGHT LL9 2700K - LL9-V5.2448.6568.MD.IES

3000K

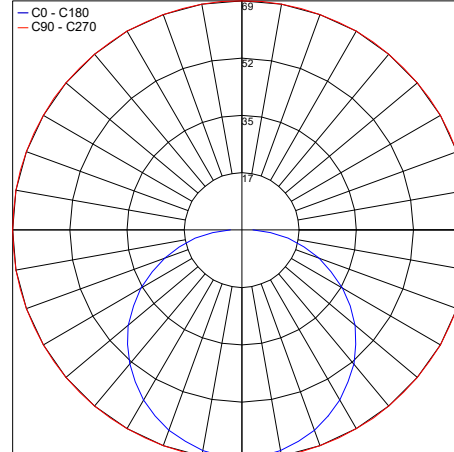
Maximum Candela = 69.2



PHOTOMETRIC FILENAME : MIDI LINE TOP LIGHT LL9 3000K - LL9.SWF24-6568.MD.IES

4000K

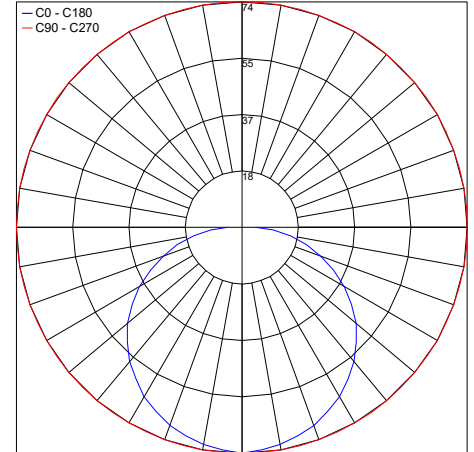
Maximum Candela = 69.1



PHOTOMETRIC FILENAME : MIDI LINE TOP LIGHT LL9 4000K - LL9.SNF24-6568.MD.IES

5300K

Maximum Candela = 74.0



PHOTOMETRIC FILENAME : MIDI LINE TOP LIGHT LL9 5300K - LL9.SCF24-6568.MD.IES

Job Name/Date:

Fixture Type Designation: