

# MIDI LINE - Top Light LL10

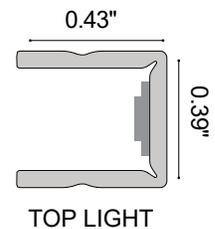
MIDI LINE is an easy to install, bendable LED strip that is IP65/IP68-rated making it ideal for swimming pools or fountains for panel installation in reinforced concrete with tiles or pool liner or indoor/outdoor areas. It is available in Side, Top or Total Light with static white, tunable white or RGB. 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

<b>Wattage</b>	11W / 3.28 ft (1 m)	
<b>Power Supply</b>	Remote Fountain/Pool Approved 24VDC Power Supply, not included. See page 2.	
<b>Construction</b>	Body: Opal Polyurethane Resin	
<b>CCT</b>	2700K, 3050K, 4250K, 5100K (204 LED / 3.28') Warm White on request: 2000K, 2400K, 2700K	
<b>CRI</b>	85	
<b>Delivered Lumens</b>	345 lm / 3.28' (2700K) 420 lm / 3.28' (3050K)	395 lm / 3.28' (4250K) 375 lm / 3.28' (5100K)
<b>Efficacy</b>	31.4 lm/W (2700K) 38. lm/W (3050K)	35.9 lm/W (4650K) 34.1 lm/W (5600K)
<b>Optics</b>	120°	
<b>Fixture Dimensions</b>	0.43" w x 0.39" h x Various Lengths	
<b>Bend Radius</b>	3.94" - Vertical	
<b>LED Source</b>	SMD 3014	
<b>LED Spacing</b>	204 LED per 3.28 ft (1 m), 0.20" between LEDs	
<b>Lumen Maintenance</b>	L80, B10>50,000 hrs	
<b>Color Consistency</b>	2-3-Step MacAdam	
<b>Operating Temp</b>	-22°F to 131°F	
<b>IP Rating</b>	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: LL10M-N.24.68.MD.X.US. Power Supplies / Accessories ordered separately.

LL10M	-		.	24	.		.	MD	.		.	US
<b>Model No.</b>	<b>CCT</b>	<b>Power</b>	<b>IP Rating</b>	<b>Cable Exit</b>								
LL10M - 204 LED / 3.28' (1 m)	V - 2700K W - 3050K N - 4250K C - 5100K	24 - 24VDC	65 - IP65 68 - IP68	MD - Top Light	X - End Feed Y - Side Feed Z - Back Feed							US
<p><b>NOTE:</b> Available in lengths up to 75 feet. Please specify length when ordering.</p>		Warm White On Request										
	V8 - 2000K V2 - 2400K 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
<a href="#">FPV-100110024</a>	ELV / TRIAC & 0-10V Dimming (100 to 0%)	120-277VAC to 24VDC, 100W, Class 2, IP66, NEMA 4X	1-6
<a href="#">FPV-100000024</a>	Non-Dim	120-277VAC to 24VDC, 100W, Class 2, IP66, NEMA 4X	1-7
<a href="#">FPV-100100024</a>	0-10V Dimming (2 Channels)	120-277VAC to 24VDC, 100W, Class 2, IP66, NEMA 4X	1-7

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

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



PPLT00715

Part Number	Description	Input/Output	# of Fixtures
<a href="#">PPLT00715</a>	ELV / TRIAC / 0-10V Dimming to 0.1%	120-277VAC to 24VDC, 96W, Class 2, WET/DAMP	1-6

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

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

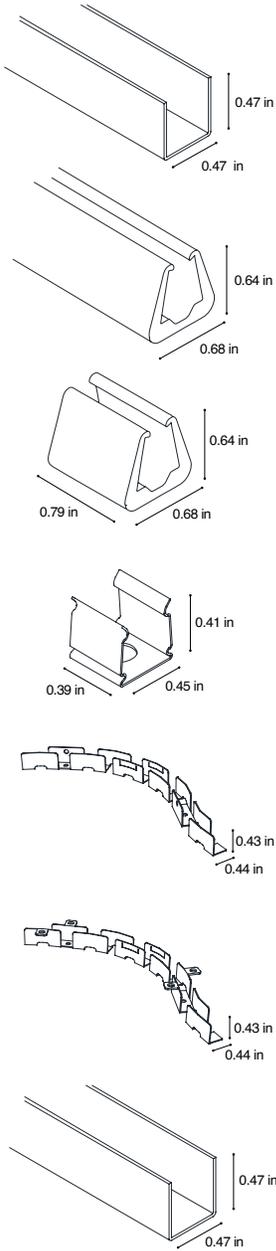
For other power supply options consult factory.

Job Name/Date:

Fixture Type Designation:

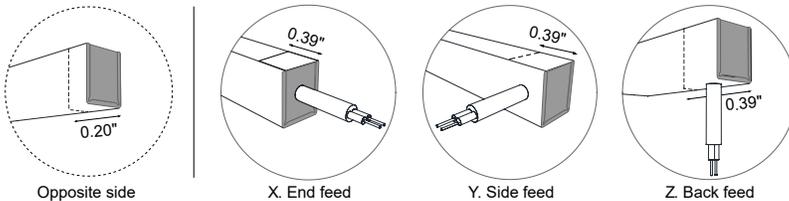
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## ACCESSORIES - Installation / Mounting



Code	Finishing	Description
<b>PRO-AL-10x11-AL</b>	Aluminum	Rigid guide L max 9.84 ft
<b>OUT-S-10x11.W</b> <b>OUT-S-10x11.F</b>	White Opal	Silicone profile
<b>CLIP-S-10x11.W</b> <b>CLIP-S-10x11.F</b>	White Opal	Silicone clip
<b>CLIP-AC-9.5x6.5-AC</b>	AISI 304 harmonic steel	Steel clip
<b>SNK-AC-10x11-AC</b>	AISI 316 harmonic steel	Flexible profile L max 3.28 ft
<b>SNK2-AC-10x11-AC</b>	AISI 316 harmonic steel	Flexible profile for false ceiling L max 3.28 ft
<b>PRO-AC-10x11-AC</b>	AISI 316 harmonic steel	Rigid guide L max 8.20 ft

## POWER CABLE EXIT / AREA WITH REDUCED LIGHT



Job Name/Date:

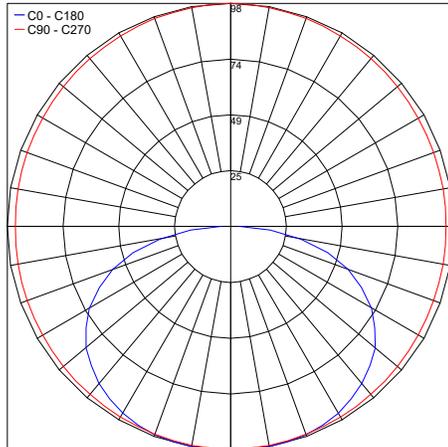
Fixture Type Designation:

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## PHOTOMETRIC DATA

### 2700K

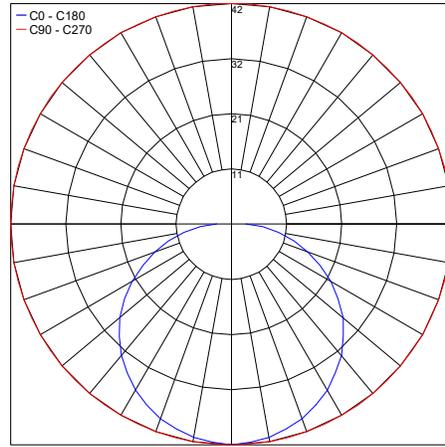
Maximum Candela = 98.4



PHOTOMETRIC FILENAME : MIDI LINE TOP LIGHT LL10 2700K - LL10.SVF24-6568.MD.IES

### 2700K-2

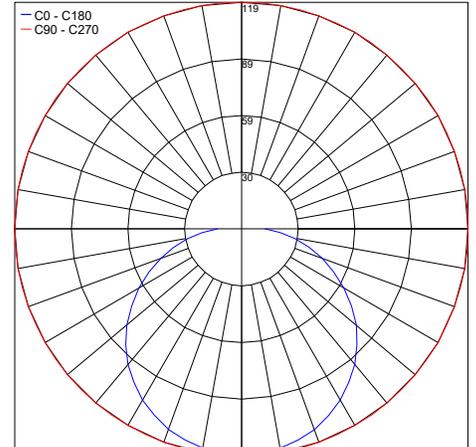
Maximum Candela = 42.0



PHOTOMETRIC FILENAME : MIDI LINE TOP LIGHT LL10 2700K-2 - LL10.SVF24-2-6568.MD.IES

### 3050K

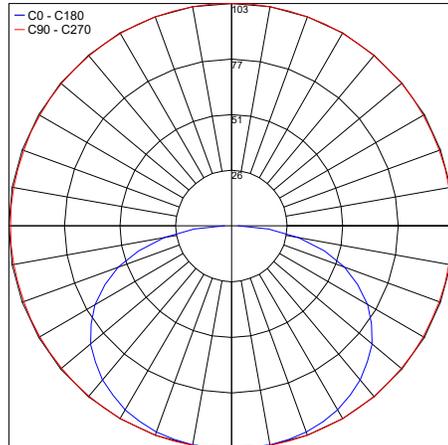
Maximum Candela = 119.0



PHOTOMETRIC FILENAME : MIDI LINE TOP LIGHT LL10 3000K - LL10-W.24.6568.MD.IES

### 4250K

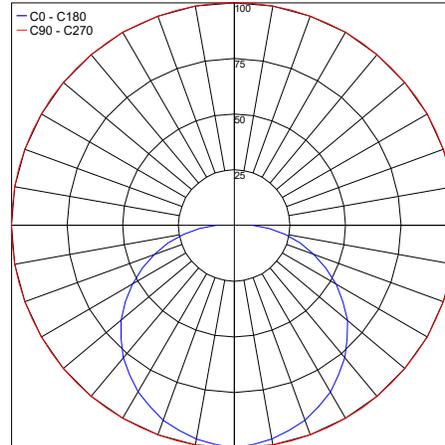
Maximum Candela = 103.0



PHOTOMETRIC FILENAME : MIDI LINE TOP LIGHT LL10 4000K - LL10.SNF24-6568.MD.IES

### 5100K

Maximum Candela = 99.7



PHOTOMETRIC FILENAME : MIDI LINE TOP LIGHT LL10 5000K - LL10.SCF24-6568.MD.IES

Job Name/Date:

Fixture Type Designation: