

MIDI LINE - Total Light LL9

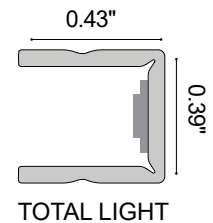
MIDI LINE is an easy to install, bendable LED strip that is IP65/IP68-rated making it ideal for swimming pools or fountains for panel installation in reinforced concrete with tiles or pool liner or indoor/outdoor areas. It is available in Side, Top or Total Light with static white, tunable white or RGB. 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 | 2850K, 3200K, 4750K, 5800K (204 LED / 3.28') Warm White on request: 2000K, 2400K, 2700K | |
| CRI | 85 | |
| Delivered Lumens | 430 lm / 3.28' (2850K) 490 lm / 3.28' (3200K) | 500 lm / 3.28' (4750K) 505 lm / 3.28' (5800K) |
| Efficacy | 53.8 lm/W (2850K) 61.3 lm/W (3200K) | 62.5 lm/W (4750K) 63.1 lm/W (5800K) |
| Optics | 120° | |
| Fixture Dimensions | 0.43" w x 0.39" h x Various Lengths | |
| 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

ORDERING INFORMATION

Example: LL9-N.24.68.MG.US. Power Supplies / Accessories ordered separately.

| LL9 | - | | . | 24 | . | | . | MG | . | US |
|-----------------------------|-----------|------------|------------|-----------|---|----|---|----|---|----|
| Model No. | CCT | | Power | IP Rating | | | | | | |
| LL9 - 204 LED / 3.28' (1 m) | V - 2850K | Warm White | 24 - 24VDC | 65 - IP65 | | MG | | | | US |
| | W - 3200K | On Request | | 68 - IP68 | | | | | | |
| | N - 4750K | V8 - 2000K | | | | | | | | |
| | C - 5800K | 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, NEMA 4 | 1-9 |
| FPV-100000024 | Non-Dim | 120-277VAC to 24VDC, 100W, Class 2, NEMA 4 | 1-10 |
| FPV-100100024 | 0-10V Dimming (2 Channels) | 120-277VAC to 24VDC, 100W, Class 2, NEMA 4 | 1-20 |

SUGGESTED POWER SUPPLIES

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

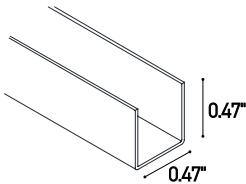
| Part Number | Description | Input/Output | # of Fixtures |
|---------------------------|---|---|---------------|
| PPLT00690 | ELV / TRIAC & 0-10V Dimming | 120-277VAC to 24VDC, 40W, Class 2, IP67 | 1-4 |
| PPLT00543 | 0-10V Dimming to 15% (-40°C / -40°F cold weather start) | 120-277VAC to 24VDC, 100W, Class 2 | 1-10 |

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

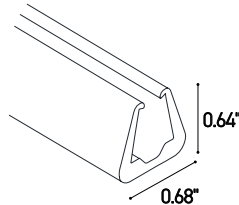
| Part Number | Option | Lutron SKU | Dim Range | Description | Input/Output | # of Fixtures |
|---------------------------|----------------|------------|-----------|--|-----------------------------------|---------------|
| PPLT00273 | L3DAE / L3DA3W | L3DA | 100%-1% | Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire 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.

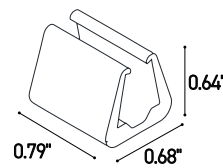
ACCESSORIES - Installation



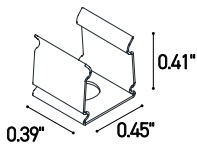
PRO-AL-10x11-AL
Rigid Aluminum Outercase
L=9.84'



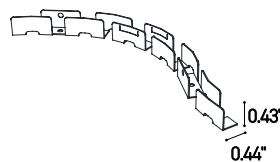
OUT-S-10x11.F/W
Flexible Silicone Outercase
L=16.40'



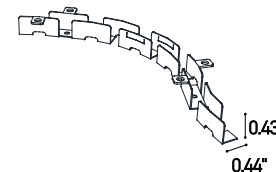
CLIP-S-10x11.F/W
Silicone Clip



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



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

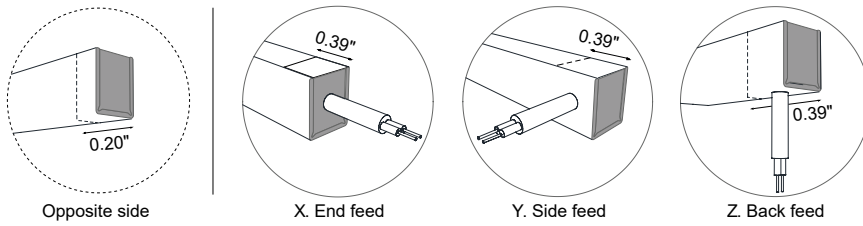


SNK2-AC-10x11-AC
Flexible Steel Profile for
Plasterboard L = 3.28'

Job Name/Date:

Fixture Type Designation:

POWER CABLE EXIT/AREA WITH REDUCED LIGHT



Job Name/Date:

Fixture Type Designation:

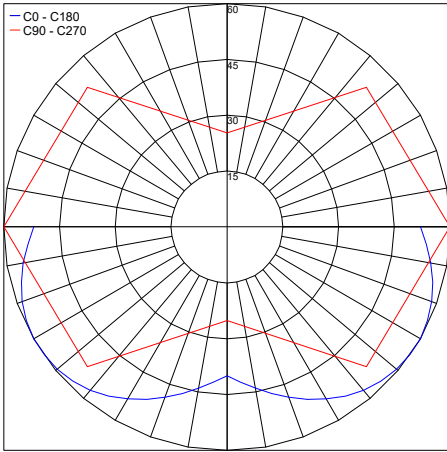
MIDI LINE - Total Light LL9

PHOTOMETRIC DATA

2000K

Maximum Candela = 60.2

— C0 - C180
— C90 - C270

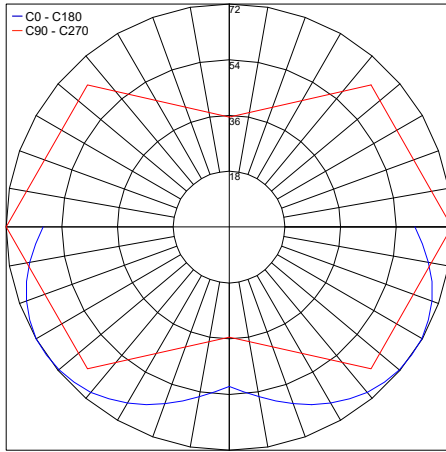


PHOTOMETRIC FILENAME : MIDI LINE TOTAL LIGHT LL9 2000K - LL9-V8.2448.6568.MG.IES

2400K

Maximum Candela = 72.0

— C0 - C180
— C90 - C270

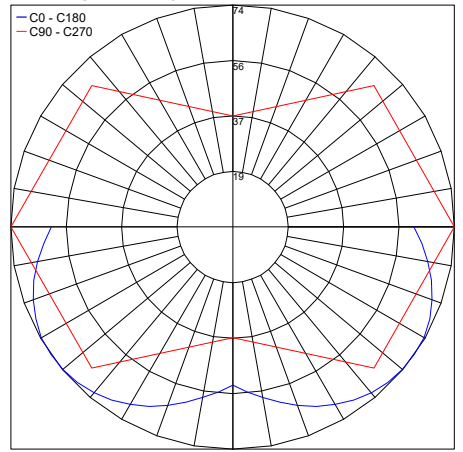


PHOTOMETRIC FILENAME : MIDI LINE TOTAL LIGHT LL9 2400K - LL9-V2.2448.6568.MG.IES

2700K

Maximum Candela = 74.5

— C0 - C180
— C90 - C270

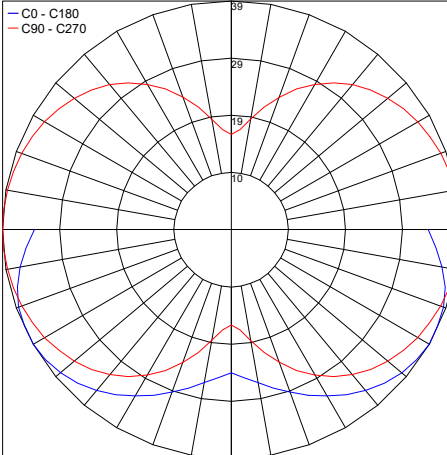


PHOTOMETRIC FILENAME : MIDI LINE TOTAL LIGHT LL9 2700K - LL9-V5.2448.6568.MG.IES

2850K

Maximum Candela = 38.7

— C0 - C180
— C90 - C270

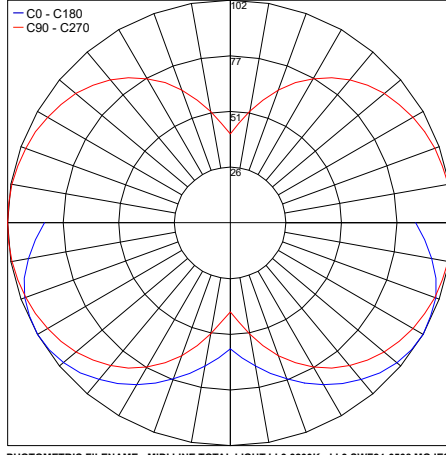


PHOTOMETRIC FILENAME : MIDI LINE TOTAL LIGHT LL9 2850K - LL9.SVF24(R).MG.IES

3200K

Maximum Candela = 102.2

— C0 - C180
— C90 - C270

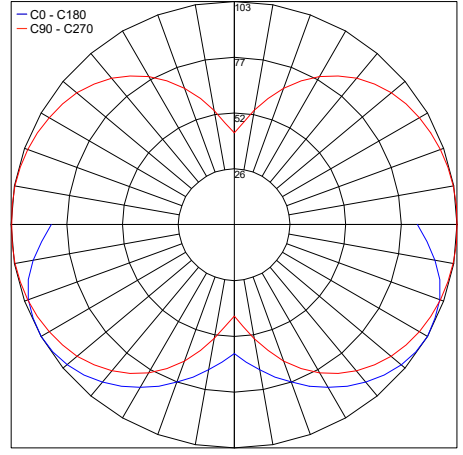


PHOTOMETRIC FILENAME : MIDI LINE TOTAL LIGHT LL9 3200K - LL9.SWF24-6568.MG.IES

4750K

Maximum Candela = 103.1

— C0 - C180
— C90 - C270

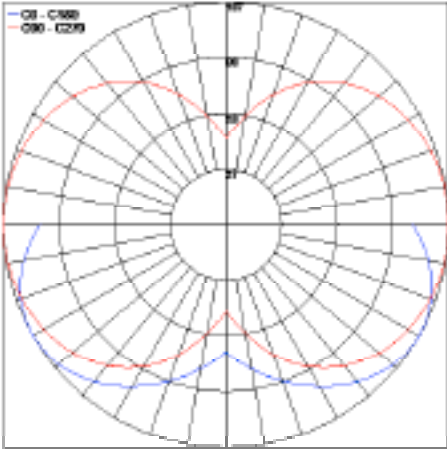


PHOTOMETRIC FILENAME : MIDI LINE TOTAL LIGHT LL9 4750K - LL9.SNF24-6568.MG.IES

5800K

Maximum Candela = 106.6

— C0 - C180
— C90 - C270



PHOTOMETRIC FILENAME : MIDI LINE TOTAL LIGHT LL9 5800K - LL9.SCF24-6568.MG.IES

Job Name/Date:

Fixture Type Designation: