# MIDI LINE - Total Light LL10

designplan

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.**

UL 676

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
CCT	2900K, 3250K, 4650K, 5600K (204 LED / 3.28') Warm White on request: 2000K, 2400K, 2700K
CRI	85
Delivered Lumens	685 lm / 3.28' (2900K) 750 lm / 3.28' (4650K) 680 lm / 3.28' (3250K) 685 lm / 3.28' (5600K)
Efficacy	62.3 lm/W (2900K) 68.2 lm/W (4650K) 61.8 lm/W (3250K) 62.3 lm/W (5600K)
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

0.43"

0.39"

TOTAL LIGHT
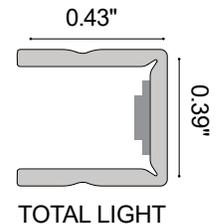
NOT CUTTABLE IN THE FIELD

ORDERING INFORMATION

Example: LL10-N.24.68.MG.US. Power Supplies / Accessories ordered separately.

LL10	-	. 24	.	. MG	. US

Model No.	CCT		Power	IP Rating		
LL10 - 204 LED / 3.28' (1 m)	**V** - 2900K **W** - 3250K **N** - 4650K **C** - 5600K	*Warm White On Request* **V8** - 2000K **V2** - 2400K **V5** - 2700K	**24** - 24VDC	**65** - IP65 **68** - IP68	**MG**	**US**

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	1-6
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
PPLT00056	Non-Dim	120-277VAC to 24VDC, 26W, Class 2, IP66	1-1
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

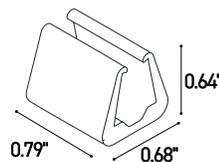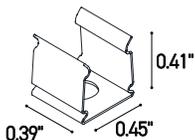*For other power supply options consult factory.*

ACCESSORIES - Installation
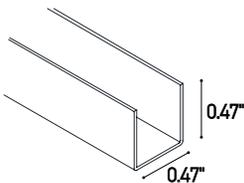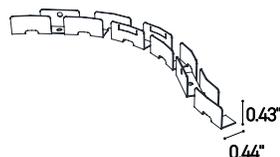

PRO-AL-10x11-AL
Rigid Aluminum Outercase
L=9.84'
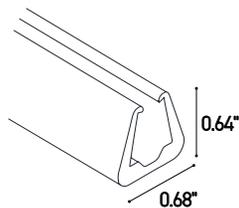
OUT-S-10x11.F/W
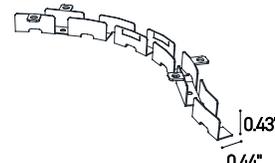Flexible Sylicone Outercase
L=16.40'

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

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

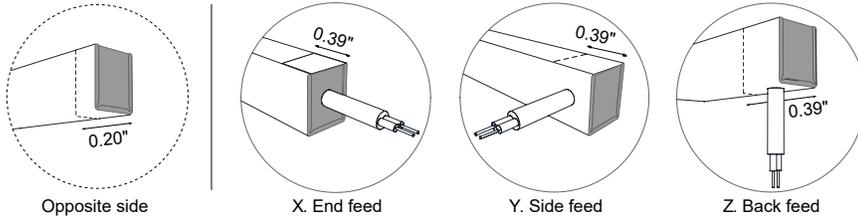**SNK-AC-10x11-AC**
Flexible Steel Profile
L=3.28'

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

Job Name/Date:

Fixture Type Designation:

sales@designplan.com
www.designplan.com

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MIDI LINE - Total Light LL10

POWER CABLE EXIT/AREA WITH REDUCED LIGHT

0.20"

Opposite side

0.39"

X. End feed

0.39"

Y. Side feed

0.39"

Z. Back feed

CONNECTORS

THB.381.A2A.R
Micro plug and socket connector.
2PIN. male+female.
IP68. Ø0.55" x 3.54".
Compatible for all models except RGB, RGBW and Tunable white.

THB.387.A4A.L.R
Micro plug and socket connector.
4PIN. male+female.
IP68. Ø0.91" x 4.45".
Compatible for all models except RGBW.

THB.391.A4A.L.R
Mini In-line circular joint connector.
4PIN. male+female.
IP68. Ø0.91" x 3.74".
Compatible for all models except RGBW.

THB.402.D4A.R
Connector type "T". 4PIN.
IP68. Ø1.26" x 3.58" x 4.76".
Compatible for all models except RGBW.

THB.209.A4A
Junction box type "H". 4PIN.
IP68. 4.25" x 2.56" x 1.10".
Compatible for all models except RGBW.

THB.399.D4E
Connector type "Y". 4PIN.
IP68. Ø1.26" x 2.48" x 7.09".
Compatible for all models except RGBW.

THB.392.A4A
Connector type "H". 4PIN.
IP68. Ø1.10" x 2.13" x 3.15".
Compatible for all models except RGBW.

THB.390.C1A
Connector type "T". 3PIN.
IP68. Ø1.26" x 3.62"x 2.87".
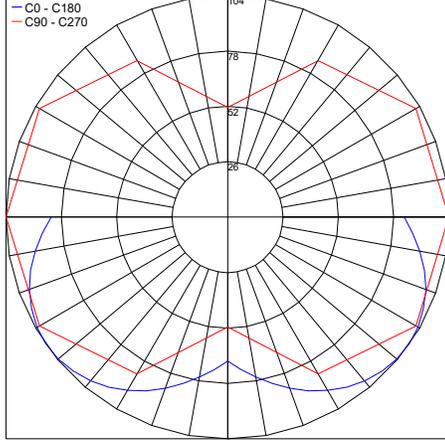*Compatible for all models except RGB and RGBW.*

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PHOTOMETRIC DATA

2000K
Maximum Candela = 104.1

— C0 - C180
— C90 - C270

PHOTOMETRIC FILENAME : MIDI LINE TOTAL LIGHT LL10 2000K - LL10-V8.24.68.MGS.IES

2400K
Maximum Candela = 120.8

— C0 - C180
— C90 - C270
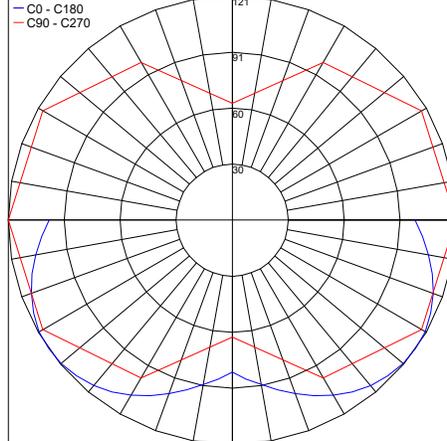
PHOTOMETRIC FILENAME : MIDI LINE TOTAL LIGHT LL10 2400K - LL10-V2.24.68.MG.IES

2900K
Maximum Candela = 140.3

— C0 - C180
— C90 - C270
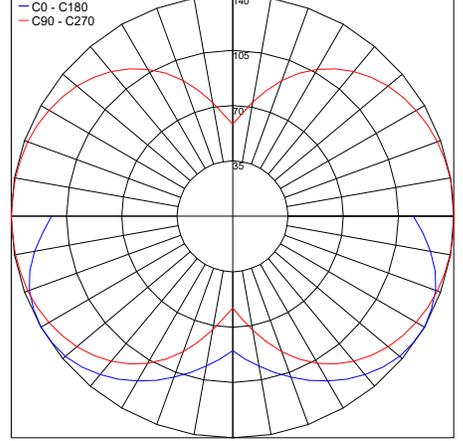
PHOTOMETRIC FILENAME : MIDI LINE TOTAL LIGHT LL10 2900K - LL10.SVF24-6568.MG.IES

3250K
Maximum Candela = 95.2

— C0 - C180
— C90 - C270
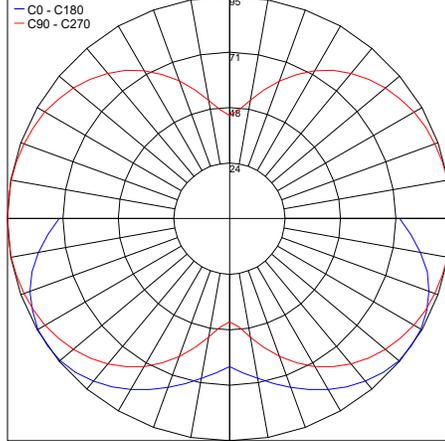
PHOTOMETRIC FILENAME : MIDI LINE TOTAL LIGHT LL10 3250K - LL10.SWF24-6568.MG.IES

4650K
Maximum Candela = 160.9

— C0 - C180
— C90 - C270
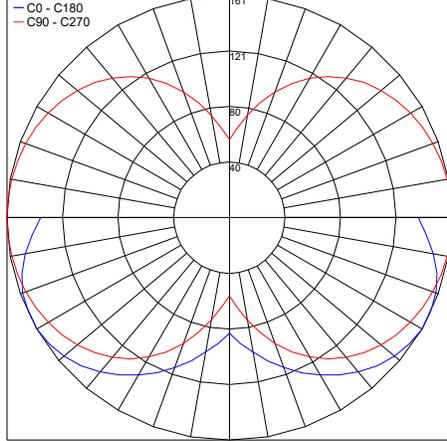
PHOTOMETRIC FILENAME : MIDI LINE TOTAL LIGHT LL10 4650K - LL10.SNF24-6568.MG.IES

5600K
Maximum Candela = 139.1

— C0 - C180
— C90 - C270
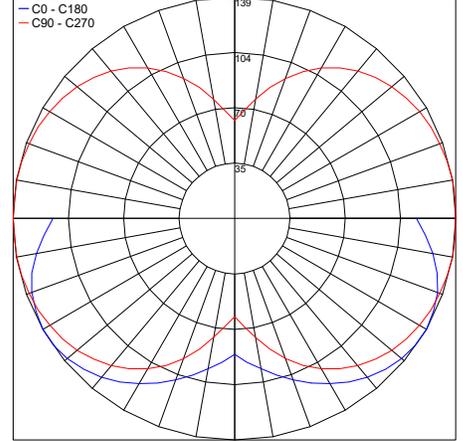
PHOTOMETRIC FILENAME : MIDI LINE TOTAL LIGHT LL10 5600K - LL10.SCF24-6568.MG.IES

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