

LM18 HANDRAIL FIXTURE

The LM18 is a 1.5 inch round LED puck designed for Handrail illumination for both interior and exterior applications on 1.5" round handrail with 15°, 30°, 55° and 55° asymmetric optics.

PRODUCT HIGHLIGHTS

- **BINNING:** $\pm 50K$
- **CRI:** 90+
- **LUMEN:** 166 lm
- **WATTAGE:** 1.5 watt
- **EXPECTED LIFETIME:** L70 > 50,000 hours
- **OPERATING TEMP:** 22 °F to 131 °F
- **RATING:** CE
- **COLOR:** Stainless (custom per request)
- **VOLTAGE:** 24V
- **WARRANTY:** 3 Years
- **DIMMABLE:** Low Voltage / 0-10V

AVAILABLE COLORS

- Extra Warm White 2700K
- Warm White 3000K
- Cool White 3500K
- Natural White 4000K
- Daylight White 5000K
- Cold White 6500K

CHARACTERISTICS

Power	Lumen	Units Per Run	MAX Run Length	Dimming
1.5 w	166 lm	30	50 ft	Low Voltage / 0-10V

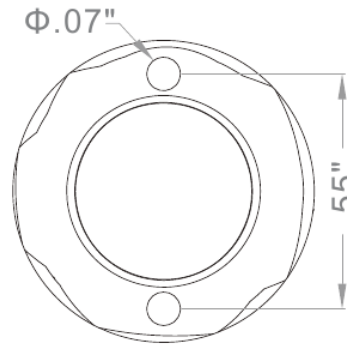
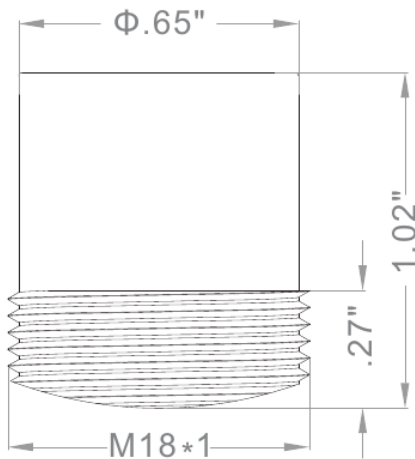
Notes:
Lumen calculated at 4000K. Units Per Run refers to the number of fixtures allowed on 1 run, linked together. Max Run Length refers to the total run length from the Power Supply to the LAST fixture on the run. Circuits with LEDscape product must have surge protection to qualify for 3 year warranty.

ORDERING CHART

Example: LM18-15-27-24

Model	Optics		Color		Voltage	
LM18	15	15°	27	2700k	24	24v
	30	30°	30	3000k		
	55	55°	35	3500k		
	55A	55° Asymmetric	40	4000k		
			50	5000k		
			65	6500k		

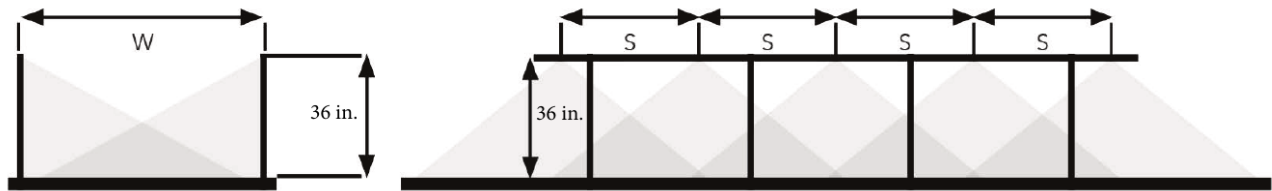
DIMENSIONS



TOOLS & ACCESSORIES (not included)

Product	Part Number	Description
	LM18Wholesaw	Whole Saw for LM18
	LM18DrillTap	Drill Tap for LM18
	LM18Wrench	Wrench for LM18 *1 unit provided per order
	#3MUY2	3m Scotchlok UY2 Connector
	#3M567	3m Scotchlok 567 Connector
	#PuckPlier	Mini Pliers for puck install

LAYOUT EXAMPLE



Path Width (W) / LED Spacing (S)	48 inch	78 inch	118 in	157 in
19 inch	177 lux	115 lux	76 lux	56 lux
39 inch	91 lux	59 lux	39 lux	29 lux
78 inch	53 lux	34 lux	23 lux	17 lux

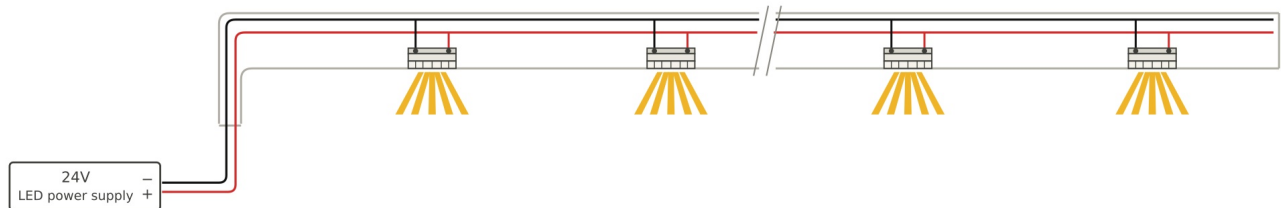
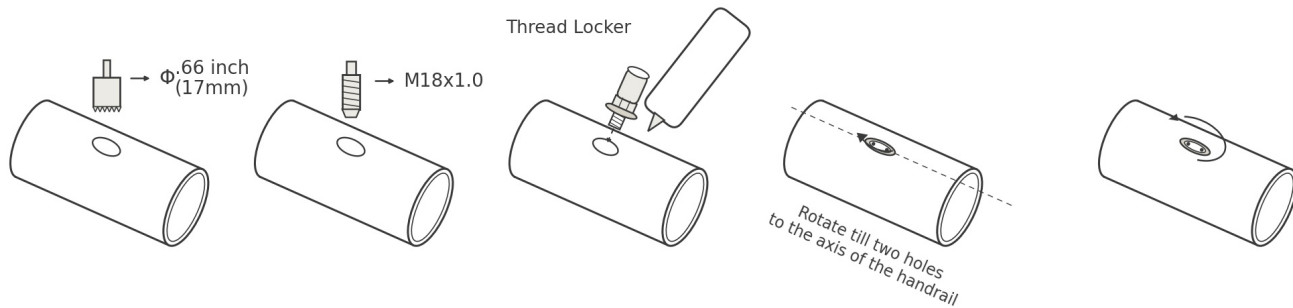
INSTALL INSTRUCTIONS

Suitable for standard handrail made by stainless steel and aluminum within the following tolerance:

Suitable for:

Standard Ø 1.49 - 1.70 inch (38 - 43mm)

Wall thickness > .059 inch (1.5mm)





LEDSCAPE OUTDOOR POWER SUPPLY

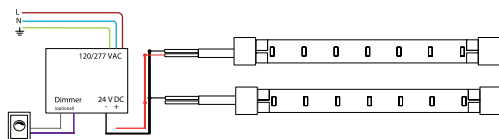
The LEDscape Series of Constant Voltage Class 2 LED Drivers from offers both cETLus style enclosures. The enclosure has a built-in junction box on both the input and output. These drivers are IP68 and are suitable for all locations. With universal input voltage ranging from 120 to 277VAC, this series of drivers are designed for commercial, industrial and residential applications. Our 5in1 smooth flicker-free linear dimming down to 1% and a wide variety of compatible dimmers, including 0-10V, Magnetic and Low voltage.

PRODUCT HIGHLIGHTS

- **INPUT VOLTAGE:** 120/277 V
- **OUTPUT VOLTAGE:** Variable 18-25V
- **INPUT FREQUENCY:** 50/60 HZ
- **OPERATING TEMP:** -13°F – 104°F
- **DEGREE OF PROTECTION (IP):** IP68
- **DIMMABLE:** to 1%
- **CLASS 2:** All sizes
- **LOAD REQUIREMENTS:** 10%

Note: If using outdoor, verify contractor use included water and moisture tight enclosure. Not direct burial rated.

POWER AND CONNECTION DIAGRAM



POWER SUPPLY = Product Wattage X Length

24 Nominal supply voltage of LEDscape in Volt
Recommended MAC output of power supply 80%

To calculate MAX run distance from Power Supply to LED
reference power drop chart : [Here](#).

CHARACTERISTICS

Power	Output Current	Efficiency	Power Factor	Dimensions
30W	1250mA	> 86%	>0.95	7.50" L X 3.62" W X 1.65"H
60W	2600mA	> 86%	>0.95	7.50" L X 3.62" W X 1.65"H
96W	4800mA	> 86%	>0.95	8.50" L X 3.66" W X 1.65"H
120W (2x60 watt)	5000mA	> 86%	>0.93	10.15" L X 4.85" W X 1.65"H
192W (2x96 watt)	8000mA	> 86%	>0.93	10.15" L X 4.85" W X 1.65"H
288W (3x96 watt)	8000mA	> 86%	>0.93	12.44" L X 4.85" W X 1.65" H
384W (4x96 watt)	16000mA	> 86%	>0.93	12.44" L X 4.85" W X 1.65" H

ORDERING CHART

NOTE: View additional options [here](#).

Ordering Example: PS-24-O-D3-60-U

Series		Output Voltage		Environment		Dimming		Wattage		Voltage Input	
PS	Power supply	24	24V	O	Outdoor/Indoor	ND	Non Dimming	30	10-30W	U	120/277V
						D3	5 in 1 Dimming	60	31-60W		
								96	61-96W		
								120	97-120W		
								192	121-192W		
								288	193-288W		
								384	289-384W		
								CU	Custom Output		

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