

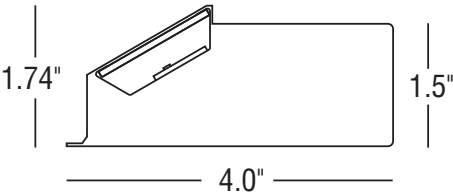
FINELITE

Series 11 LED Micro Profile Cove Technical Sheet



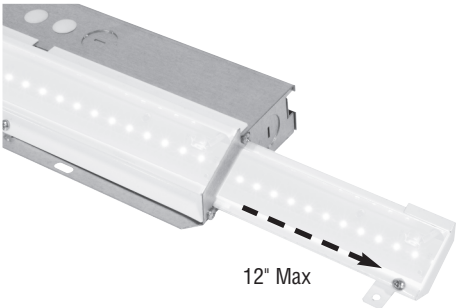
DESCRIPTION

The Series 11 LED Micro Profile Cove is a high performance luminaire with an optional telescoping light engine to achieve a custom fit with continuous, uniform illumination. It is available in three color temperatures - 3000K, 3500K, and 4000K and comes in 2', 3', 4', and 8' lengths.



DIMENSIONS AND LIGHT ENGINE

The LED light engine uses mid-power LEDs positioned to provide excellent distribution and long life.



TELESCOPING OPTION

The Series 11 LED Micro Profile Cove has a telescoping light engine option, typically used at the end of a run, to provide up to 12 additional inches of luminaire. This ensures an accurate fit with uniform illumination. The telescoping option adds 1" to minimum length of luminaires.

ORDERING GUIDE

Sample Number: S11-LED-MP - 32' - S - 8 - 35 - SC - 96W - 120V - TXL

Finelite **Series 11-LED MICRO PROFILE (MP)**

Run length (2', 3', 4', 8', multiples standard)

Light Output (S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output)

LED CRI (8 - 80 CRI Min (standard), 9 - 90 CRI Min (optional))

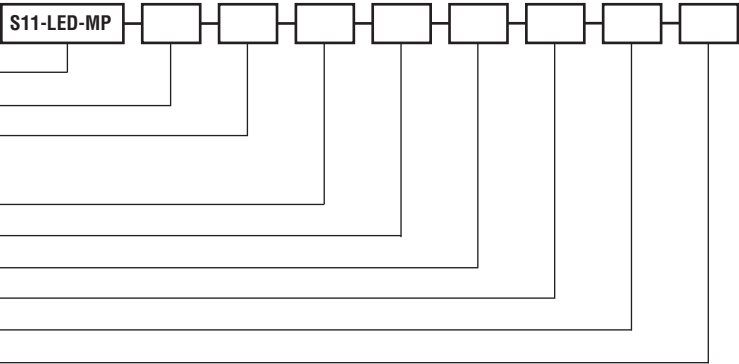
LED Color Temperature (30 - 3000K, 35 - 3500K, 40 - 4000K)

Circuiting (SC - Single circuit)*

Reflector system (96W)

Voltage (120V, 277V)

Special Option (TXL - Telescoping Extra Length, 12" Max)**



* Contact factory for switching options.

** Leave blank if telescoping section is not required. The last segment in runs with "TXL" will include the adjustable section, unless otherwise specified.

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PHOTOMETRY

Series 11 LED Micro Profile Cove

Very High Output - 4' Luminaire

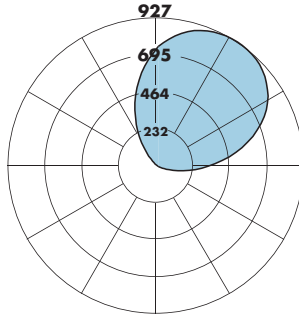
Efficacy (lumens per watt): 120.2

Total luminaire output: 2355 lumens (588.8 lumens/foot)
19.6 watts (4.9 watts/foot)

Peak Candela Value: 925 @ 145°

CCT: 3500K

ITL LM79 Report: 85172



CANDLEPOWER SUMMARY						
	0	45.0	90.0	135.0	180.0	Flux
90	318	155	0	0	0	
95	407	266	24	0	0	136
105	592	417	99	0	0	213
115	740	567	203	4	0	283
125	839	692	327	48	13	335
135	898	781	459	154	49	361
145	925	835	580	292	140	353
155	923	860	677	451	261	302
165	889	852	739	604	397	205
175	823	809	769	727	523	73
180	773	773	773	773	773	

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
S*	B*	H*	V**
964	1212	1832	2355

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
S*	B*	H*	V**
241	303	458	589

Power (Watts Per Foot)			
S*	B*	H*	V**
2.0	2.5	3.8	4.9

Efficacy, 3500K, 80 CRI (Lumens Per Watt)			
S*	B*	H*	V**
119.1	120.6	121	120.2

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output

* Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.

** Correlation based on ITL report: 85172

Lumen Adjustment Factors - 80 CRI

3000K	0.985
3500K	1.000
4000K	1.032

Lumen Adjustment Factors - 90 CRI

3000K	0.746
3500K	0.760
4000K	0.789

Apply a lumen adjustment factor to calculate lumens for the desired CCT and CRI.

SAMPLE LUMEN ADJUSTMENT CALCULATION

High Output (H) 4000K, 90 CRI

Lumen Adjustment Factor = 0.789

Total Light Output =
1832 lm x 0.789 = 1445 lm

Total Light Output per Foot =
458 lm/ft x 0.789 = 361.4 lm/ft

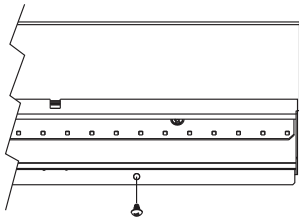
watts/foot = 3.8 W/ft

$$\text{Efficacy} = \frac{361.4 \frac{\text{lm}}{\text{ft}}}{3.8 \frac{\text{W}}{\text{ft}}} = 95.1 \text{ lm/W}$$

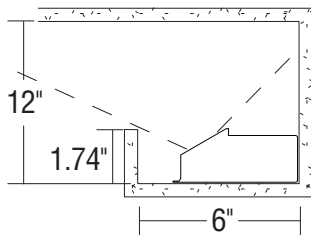
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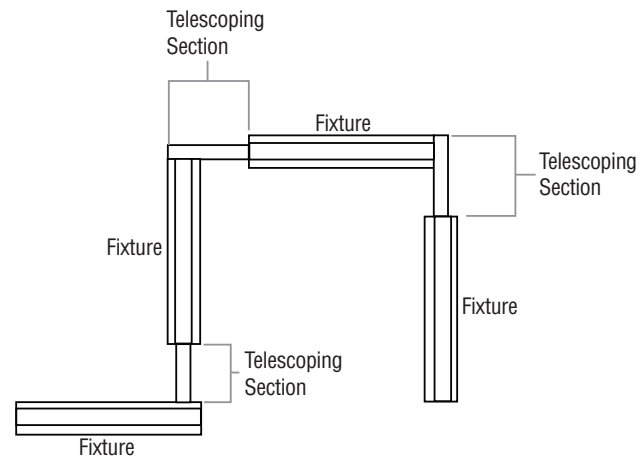
MOUNTING:



Mounting without removing reflector makes installation fast and easy. Mounts directly to architectural cove with two screws per 4' section.



Designed to fit into an architectural cove with a suggested cross section of 12" x 6" or larger.



Example of how the runs would look with telescoping option.

SPECIFICATIONS

CONSTRUCTION: Body is formed from 20-gauge sheet steel. All components are hard-tooled to a tolerance of ± 0.010 ".

CORNER: Optional corner harness, 0.5" diameter flex conduit, 14" long. Contact factory.

REFLECTORS: Die-formed 24-gauge cold-rolled steel reflectors finished in 96LG High Reflectance white power coat paint.

DIFFUSER: Frosted virgin acrylic, 0.08" thick, provides a smooth distribution of light.

LIGHT OUTPUT: Four lumen packages available, Standard Output (S), Boosted Standard Output (B), High Output (H), and Very High Output (V). A separate chart summarizes lumen distribution and wattage. Light engines are replaceable.

LUMEN MAINTENANCE: 90% of initial light output (L90) at 100,000+ hours; 70% of initial light output (L70) at 200,000+ hours.

DRIVER: Replaceable 120V/277V Constant Current Reduction dimming driver standard. Can be wired dimming or non-dimming. 0-10V dimming controls with a range of 10%-100%. Dimming to 1% available; consult factory. Driver is fully accessible from below the ceiling. Power Factor: ≥ 0.9 . Total Harmonic Distortion (THD) $< 20\%$. Expected driver lifetime: 100,000 hours.

LUTRON DRIVER OPTIONS: Lut3W-3-wire, LutES-EcoSystem, Lut2W-2-wire.

ELECTRICAL: Optional emergency to generator/inverter wiring, internal generator transfer switch, nightlight wiring, step-dimming driver, backup battery. Factory-choice low-profile backup battery available. 8' minimum fixture length for low profile battery pack. Backup batteries deliver 1800 lumens. Half of a 4' section will be illuminated in emergency mode.

MOUNTING: Fixture mounts directly to architectural cove.

FEED: A standard 14-gauge wire feed extends from the back of each driver segment.

LENGTHS: Standard 2', 3', 4', and 8' section lengths can be combined to make longer runs. The telescoping option adds 1" to the minimum length of the luminaire.

LABELS: Fixture and electrical components are ETL-listed conforming to UL 1598 in the U.S.A. and CAN/CSA C22.2 No. 250.0 in Canada. In accordance with NEC Code 410.73 (G), this luminaire contains an internal driver disconnect. Damp Location. Finelite products use electronic components that are RoHS compliant, and the mechanical components of the luminaire have been verified to not knowingly contain any restricted substances listed per RoHS Directive 2002/95/EC.

WEIGHT: 1.5 lb/ft.

WARRANTY: 10-year performance-based warranty on all standard components. Optional accessories such as emergency battery packs are covered by their individual manufacturer warranties.