FINELITE®
Better Lighting

Tunable White Series 11 LED Micro Profile Cove

INDUSTRY BEST 10 YEAR LED WARRANTY | **Tunable White LUMINAIRES** | **Declare.** | **Third Party Verified**
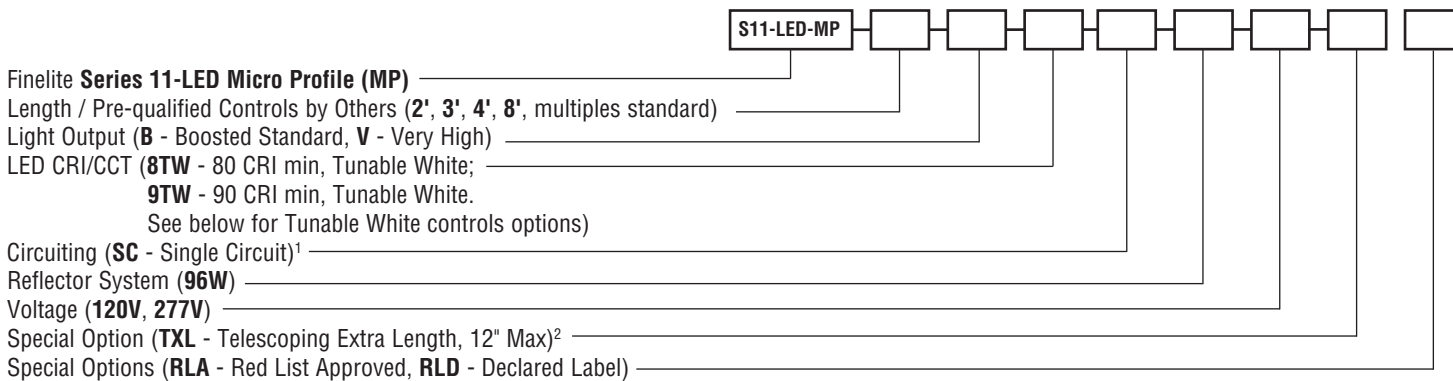
Date	
Project	
Type	
Comments	

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.

This Product is enrolled in the International Living Future Institute (ILFI) Declare 2.0 Program and is third-party verified with options achieving Red List Approved and Declared status.

ORDERING GUIDE

Sample Number: S11-LED-MP - 32' - B - 8TW - SC - 96W - 120V - TXL - RLA

S11-LED-MP ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Finelite **Series 11-LED Micro Profile (MP)**
Length / Pre-qualified Controls by Others (**2'**, **3'**, **4'**, **8'**, multiples standard)
Light Output (**B** - Boosted Standard, **V** - Very High)
LED CRI/CCT (**8TW** - 80 CRI min, Tunable White;
       9TW - 90 CRI min, Tunable White.
       See below for Tunable White controls options)
Circuiting (**SC** - Single Circuit)[1]
Reflector System (**96W**)
Voltage (**120V**, **277V**)
Special Option (**TXL** - Telescoping Extra Length, 12" Max)[2]
Special Options (**RLA** - Red List Approved, **RLD** - Declared Label)

[1] Contact factory for switching options.
[2] Leave blank if telescoping section is not required. The last segment in runs with "TXL" will include the adjustable section, unless otherwise specified.

TUNABLE WHITE CONTROLS OPTIONS: SELECT ONE
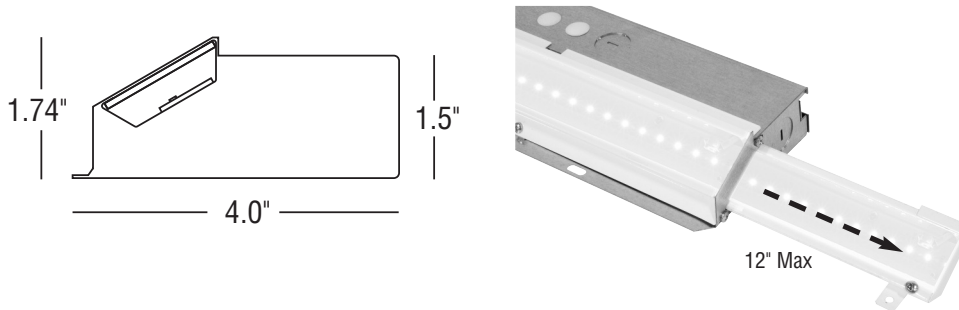
FineTUNE™ TUNABLE WHITE SYSTEM

☐ FineTune controller with FineTune DMX Driver

OR

☐ Controls by others with pre-qualified DMX driver
☐ Controls by others with pre-qualified DALI driver
☐ Controls by others with pre-qualified PoE setup
☐ Controls by Lutron with pre-qualified Lutron driver

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LUMINAIRE FEATURES

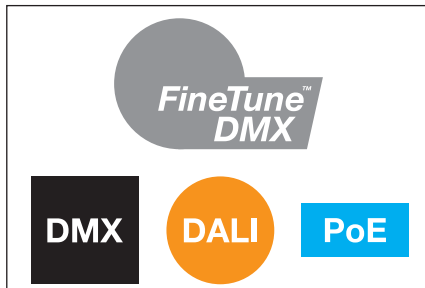1.74"   1.5"
4.0"

12" Max

DIMENSIONS AND LIGHT ENGINE
The LED light engine uses mid-power LEDs positioned to provide excellent distribution and long life.
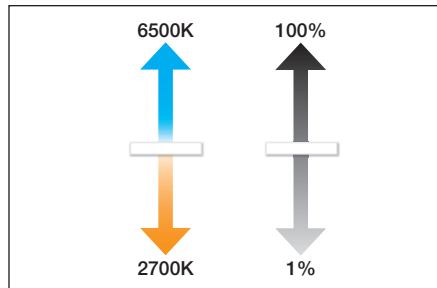
TELESCOPING OPTION
The Series 11 LED Micro Profile Cove has a telescoping light engine option, typically used at the end of a run, to provide up to 12 additional inches of luminaire. This ensures an accurate fit with uniform illumination. The telescoping option adds 1" to minimum length of luminaires.

TUNABLE WHITE FEATURES

FineTune™ DMX

DMX   DALI   PoE

6500K   100%
2700K   1%

Fine TUNE™ TUNABLE WHITE SYSTEM

Next Generation
LUMINAIRES
2015
Outstanding Interface

MULTIPLE CONTROL ARCHITECTURES
Finelite's FineTune™ DMX, qualified DMX, DALI (open and proprietary), or PoE (Power over Ethernet).
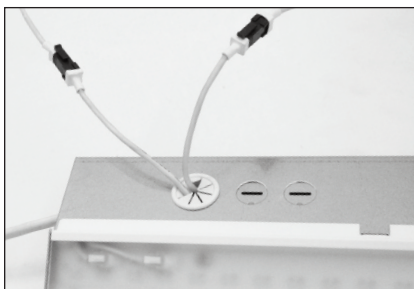
TUNABLE WHITE
Any CCT between 2700K and 6500K with excellent CRI and R9 values; dimming from 100% to 1%.

FINETUNE SYSTEM
Award-winning control system, which includes intuitive wall mounted controller, power control center, driver, and mobile app to easily tailor lighting to match user preference.

DMX CONNECTION

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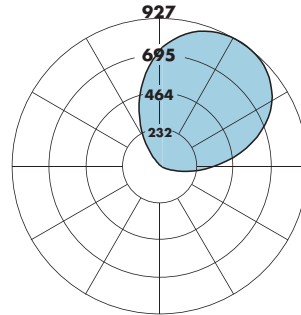## PHOTOMETRY – 4' Luminaire

Very High Output
Efficacy: 109 lumens per watt
Total Luminaire Output: 2356 lumens (589 lumens/foot)
                    21.6 watts (5.4 watts/foot)
Peak Candela Value: 925 @ 145º
CCT: 3500K
Source Report: ITL 85172 (Family Correlation)

CANDELA DISTRIBUTION					
	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	
B*	**V****
1212	2356

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

Power, 3500K, 80 CRI (Watts Per Foot)	
B*	**V****
2.8	5.4

Efficacy, 3500K, 80 CRI (Lumens Per Watt)	
B*	**V****
109	109

B - Boosted Standard Output, V - Very High Output

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

* Based on ITL report: 85172

Lumen Adjustment Factors - 80 CRI	
2700K	0.968
3000K	0.985
3500K	1.000
4000K	1.032
6500K	1.032

Lumen Adjustment Factors - 90 CRI	
2700K	0.731
3000K	0.746
3500K	0.760
4000K	0.789
6500K	0.789

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

SAMPLE LUMEN ADJUSTMENT CALCULATION

Boosted Standard Output (**B**)
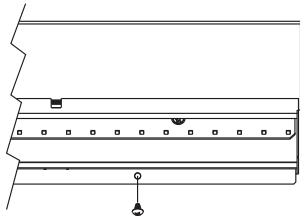4000K, 90 CRI

Lumen Adjustment Factor = 0.789

Total Light Output =
1212 lm x 0.789 = 956 lm
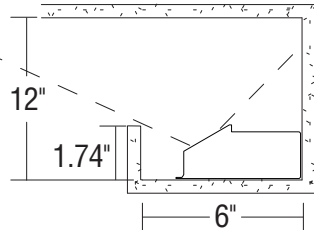
Total Light Output per Foot =
303 lm/ft x 0.789 = 239 lm/ft

watts/foot = 2.8 W/ft

$$Efficacy = \frac{239 \ \frac{lm}{ft}}{2.8 \ \frac{W}{ft}} = 85 \ lm/W$$

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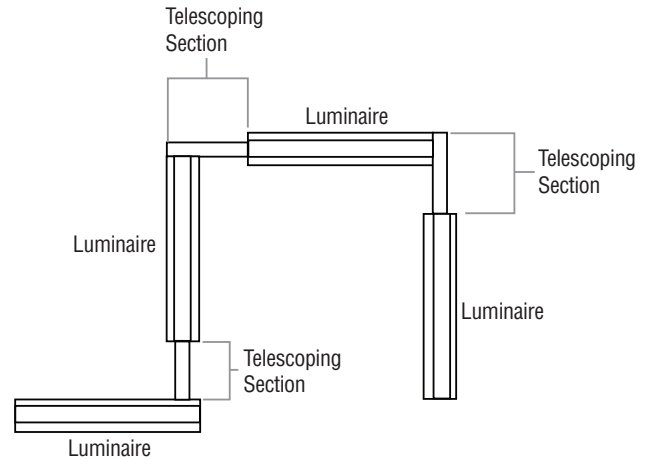
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MOUNTING

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

12"
1.74"
6"

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

Telescoping Section

Luminaire

Telescoping Section

Luminaire

Luminaire

Telescoping Section

Luminaire

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, 1/2" diameter flex conduit, 14" long. Contact factory.

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

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

LIGHT OUTPUT: Two lumen packages available, Boosted Standard (**B**) and Very High (**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.

TUNABLE WHITE DRIVER: High Performance LED driver. Driver is fully accessible from below ceiling. 120V/277V. Power factor: ≥0.90. Total Harmonic Distortion (THD): <20%. Dimming Range: 100 - 1%. Expected driver lifetime: 100,000 hours.

LUTRON DRIVER OPTIONS: LUTDTW (1% T-Series 2-Channel Digital Tunable White (PSQ Series)).

ELECTRICAL:

Emergency Option DMX: Battery backup only.

Emergency Option DALI: Battery backup, emergency-to-generator/ inverter wiring.

Emergency Option LUTRON: Battery backup, emergency-to-generator/ inverter wiring.

Emergency Option PoE: Contact factory.

Battery Backup: Factory-choice low-profile backup battery available. Optional GLR/HLR fuse. 8' minimum fixture length for low profile battery battery pack. Backup batteries deliver 2356 lumens. A 4' section will be illuminated in emergency mode. Backup battery will operate 6500K in emergency.

MOUNTING: Luminaire mounts directly to architectural cove.

FEED: A standard 18-gauge wire feed extends from the back of each driver segment. DMX and the power feed at the same location (standard). DMX feeds cannot be cut or spliced. DMX feeds should be ordered based on fixed lengths.

DMX INTERCONNECTION CABLES: Luminaires are prewired with plug-and-play interconnection cables to support easy plug-together joining of luminaire runs. If a non-FineTune DMX system has been specified, a DMX to RJ45 converter is provided.

LENGTHS / PRE-QUALIFIED CONTROLS BY OTHERS: 2', 3', 4', and 8' sections can be combined to make longer runs. The telescoping option adds 1" to the minimum length of the luminaire.

LABELS: Luminaire 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 2011/65/EU. Finelite makes the specification process easy when putting healthier products on your projects. Simply add – **RLA** (Red List Approved) or – **RLD** (Red List Declared) to your part number.

WEIGHT: 1.5 lb/ft.

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

TUNABLE WHITE PRE-QUALIFIED DRIVERS BY OTHERS

DMX	DALI	POE set up	LUTRON
EldoLED	EldoLED, Crestron	Contact Factory	LUTRON

NOTE: For a complete list of system option/limitations please click here.

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