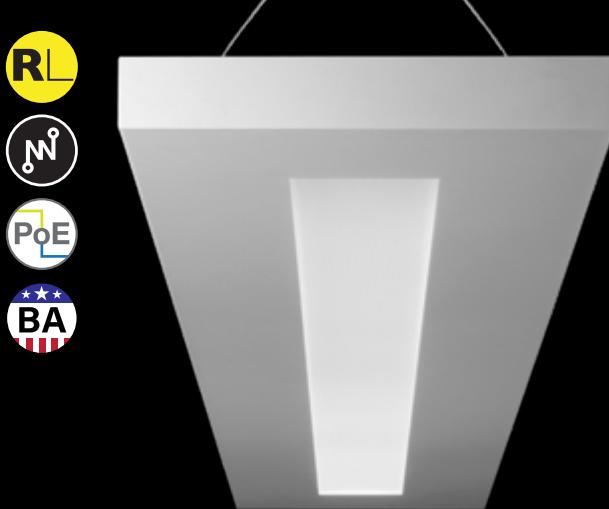


Twelve

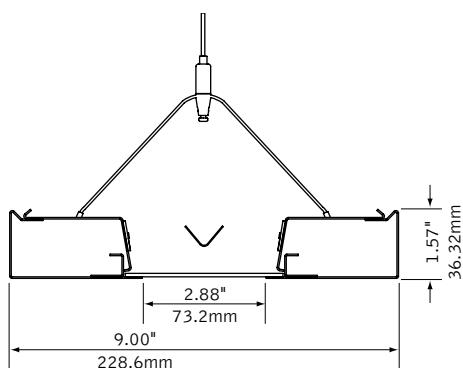
LED



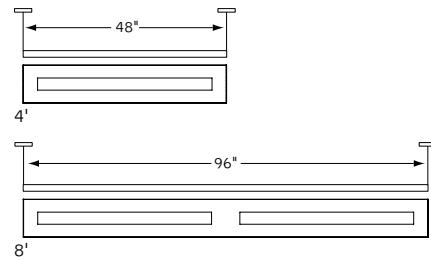
acrylic diffuser

microglow

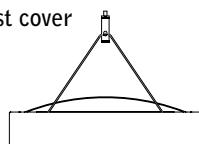
DIMENSIONAL DATA



fixture information



dust cover



FEATURES

Low profile suspended direct/indirect LED luminaire.

Excellent choice for lower ceiling applications and areas where ceiling uniformity is important.

Features Gradient Optic which softens cut-off line on surrounding walls and other vertical structures.

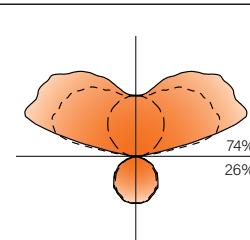
MicroGlow lens offers cutoff & brightness control to support comfortable environments.

35% energy savings over comparable fluorescent versions.

Connected Solutions: Integrates with wired and wireless building lighting control systems.

PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

PERFORMANCE



PRODUCT OVERVIEW

Lumen Output: 3000-5000lm

Wattage: 25-43W

LPW: 115-121

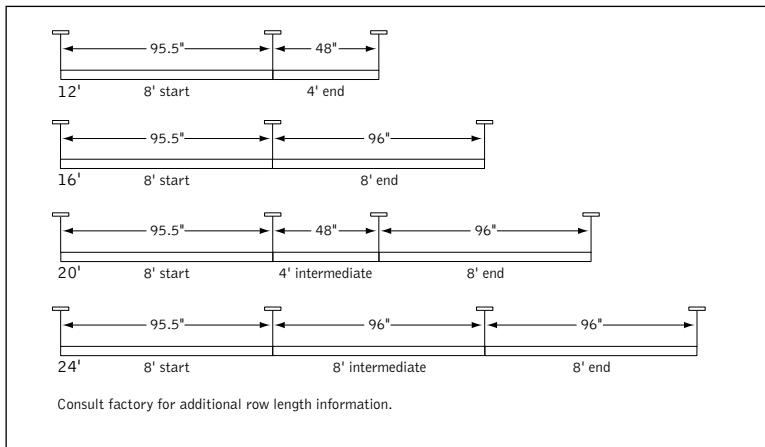
SDCM: 3

4' unit, Acrylic Diffuser
Nominal output:
1000 Lumens per foot

Delivered Lumens: 4000lm

Total System Watts: 34W

Photometric performance is measured in accordance with IESNA LM-79. Visit focalpointlights.com for complete photometric data. Visit designlights.org/QPL for model specifics.

SUSPENSION INFORMATION**SPECIFICATIONS****LED Systems**

Linear LED module incorporates premium LEDs on a robust platform to achieve excellent thermal management. Available in 3000K, 3500K, 4000K with CRI>80, 3SDCM. LED boards and drivers are replaceable.

Construction

One-piece 20 Ga. steel housing. Steel end caps attach flush to housing. For row installation, internal brackets form hairline joint. All luminaires are provided with Y-cable suspension mounted on 48" or 96" centers. 4' unit weight: 22 lbs., 8' unit weight: 40 lbs.

Optic

Reflector fabricated of 22 Ga. steel finished in high reflectance matte white. 24 Ga. steel beam softening filter finished in matte white powder coat. .125" thick acrylic lens.

Electrical

Luminaires are pre-wired with factory installed branch circuit wiring and over-molded quick connects. Standard 120-277V constant current driver includes 0-10V analog dimming. Power factor > .9. PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires. PoE runs require an independent PoE node and power feed for each luminaire section.

Emergency

Emergency output —12W for 90 minutes. Maximum mounting height: 11.25ft.

Emergency Circuit maximum mounting height: 15.00ft. Emergency Circuit with Connected Solutions (DLM1, LMFS1, LMFSD, NLT1, CLM1, NXE1, WLXP) shipped standard with leads to connect UL924 compliant device, by others. See EM/EC Guide on page 4 for default locations and ordering details.

Labels

UL and cUL listed. Suitable for Dry or Damp Locations, indoor use only.

Finish

Polyester powder coat applied over a multi-stage pre-treatment. Canopy finished in Matte Satin White.

Lumen Maintenance

Reported: L70 at >60,000 hours

Calculated: L70 at 130,000 hours

Reported: L90 at 40,000 hours

Calculated: L90 at 40,000 hours

Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.

Reliability

At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

Warranty

LED system rated for operation in ambient environments up to 25°C. 5-year limited warranty.

4' PERFORMANCE CHART

Lumens per Foot	Delivered Lumens	Tested System Watts	LPW
750LF	3000	25	121
875LF	3500	29	120
1000LF	4000	34	118
1125LF	4500	38	117
1250LF	5000	43	115

Based on 3500K. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

Focal Point LLC reserves the right to change specifications for product improvement without notification.

ORDERING**Fixture Series**

Twelve LED

FTWLS

Shielding

Acrylic Diffuser

MG

Lumen Output

750 Lumens per foot

875 Lumens per foot

1000 Lumens per foot

1125 Lumens per foot

1250 Lumens per foot

750LF

875LF

1000LF

1125LF

1250LF

Color Temperature

3000K, 80+CRI

3500K, 80+CRI

4000K, 80+CRI

30K

35K

40K

Circuits

Single Circuit

1C

Voltage

UNV 120/277 Volt

347 Volt

(LD1 only)

Low Voltage

UNV

347

LV

Control System & Dimming Level

0-10V - 10% Dimming

0-10V - 1% Dimming

Low Voltage, PoE compatible

(No driver. Not available with EM or EC. LV Voltage only.)

Lutron Hi-Lume EcoSystem (LDE1) -

1% Dimming

DALI - 1% Dimming

Step Dimming

(Not available with 750LF)

Wattstopper DLM - 1% Dimming

Wattstopper Fixture Sensor*

Low Density - 1% Dimming

Wattstopper Fixture Sensor*

High Density - 1% Dimming

Acuity nLight - 1% Dimming

Encelium CLM Connected Lighting

Module - 1% Dimming

Current NX Enabled - 1% Dimming

WaveLinx Pro - 1% Dimming*

*See sensor layout guide

Mounting

12" Cable Suspension

24" Cable Suspension

48" Cable Suspension

96" Cable Suspension

(Add "P" for Chicago plenum. Eg: JP12, CP12)

(Specify one of the following in place of "J")

C - for 5" canopies at non-feed locations.

CS - for sloped ceilings.)

Stem Mount

(Specify stem length in inches Standard stem lengths

6, 12, 18, 24, 36, 48" White stems and canopies supplied

standard. For non-white housings: to match stem and

housing, add M to ordering code (S12M). To match stem,

canopy and housing, add MC to ordering code (S12MC)

J12

J24

J48

J96

S

Factory Options

DST

EM

EC

Emergency Battery Pack*

Emergency Circuit*

See EM/EC Guide for default locations and ordering details.)

Finish

Titanium Silver

Matte Satin White

TS

WH

Fixture Run Length

4'

8'

12' (8'+4')

16' (8'+8')

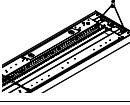
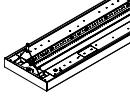
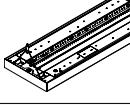
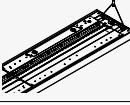
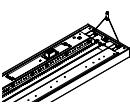
20' (8'+4'+8')

24' (8'+8'+8')

(Individual units may not be field modified for continuous

row mount. Longer run lengths available in 4' increments.)

Focal Point provides flexibility in meeting the needs of each project by integrating with several building lighting control systems. A variety of sensors, drivers and other components can be specified that allow the luminaires to communicate with wired and wireless networks. All zoning can be digitally reconfigured through the application software. Daylight harvesting, occupancy sensing, integration with HVAC systems, and individual controls enable the monitoring and modulating of light levels and temperature in order to save energy, reduce costs and maximize occupants' comfort. All Connected Solutions luminaires require a compatible building control system.[†]

Connected Solution	Ordering Code	Model #*	Protocol	Compatible Networks*	Occupancy & Daylight	Temperature Reporting	Communication to Luminaire	Drivers
 WATTSTOPPER® 	DLM1	LMFC-011	DLM	DLM	Enabled ¹	No	Wired	Advance by Signify , Optotronic by eldoLED
	LMFS1	LMFS-601 & LMFI-111	DLM Wireless	DLM	Integrated ²	No	Wireless	Advance by Signify
	LMFSD	LMFS-601						Optotronic by eldoLED (Dexal)
 	WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Integrated ²	No	Wireless (WaveLinx Pro Wireless Area Controller)	Advance by Signify
 	D11	Specified Driver	DALI	Crestron Züm Wireless & SpaceBuilder	Enabled ¹	No	Wired	eldoLED ECODrive
	L11		0-10V					Advance by Signify
 	CLM1	ZBHA-CLM-DIM-ENC	ZigBee	Encelium X Light Management System	Enabled ¹	No	Wireless	Optotronic by eldoLED Advance by Signify
 	LH1	LDE1	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled ¹	No	Wired	Lutron Hi-Lume
 	NLT1	nEPS-60-IO	nLight	nLight	Enabled ¹	No	Wired	eldoLED ECODrive , eldoLED SOLOdrive
 	NXE1	NXFM-LV	NX	NX Distributed Intelligence	Enabled ¹	No	Wired	Optotronic by eldoLED

*Not all compatible networks may be listed. **For performance data and additional control system details please visit the connected solutions manufacturer websites. Primary drivers are listed in **bold**. To specify a particular driver please consult factory.

[†]Controls systems supplied by others. ¹Enabled: Fixture supplied with a Node/ Controller. Sensor to be provided by others. ²Integrated: Fixture supplied with an installed Sensor.

EM/EC Guide

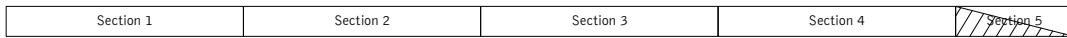
TWELVE LED - FTWLS



DEFAULT LOCATIONS

- By default, EM/EC are located at the end (last section) of a run when one EM/EC location is specified, and at the start and end when two locations are specified.
- EM/EC illuminate entire sections from 4' to 8' in length.
- Feed location is at start of run. All EC's are fed individually at the end of each fixture segment.

1 EM/EC - END OF RUN



Ordering example: FTWLS-AC... **1EM**-WH-36ft

2 EM/EC - START & END OF RUN

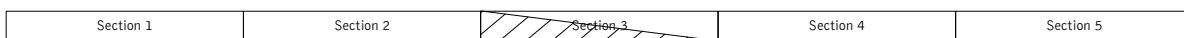


Ordering example: FTWLS-AC... **2EM**-WH-36ft

ALTERNATE LOCATIONS AND QUANTITIES

- If more than two locations are required, or specific locations within run need to be specified, indicate in the ordering string.

ONE EM IN 3RD SECTION



Ordering example: FTWLS-AC... **1EM-3**-WH-40ft

THREE EM IN 1ST, 3RD AND 6TH SECTIONS



Ordering example: FTWLS-AC... **3EM-1-3-6**-WH-48ft

CUSTOM LENGTHS

- If partial illumination of emergency section is required, indicate quantity in ordering string and partial illumination in Order Notes. Drawing required.
- Longer lead times may apply.

Run length (ft)	Housing Configuration Section Lengths
12	8 + 4
16	8 + 8
20	8 + 4 + 8
24	8 + 8 + 8
28	8 + 8 + 8 + 4

Run length (ft)	Housing Configuration Section Lengths
32	8 + 8 + 8 + 8
36	8 + 8 + 8 + 8 + 4
40	8 + 8 + 8 + 8 + 8
44	8 + 8 + 8 + 8 + 8 + 4
48	8 + 8 + 8 + 8 + 8 + 8

Standard run configurations, consult factory for custom configurations.