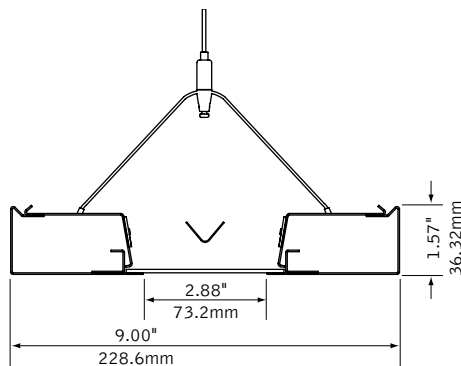


acrylic diffuser

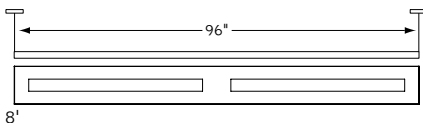
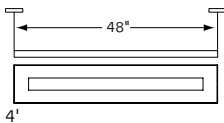


microglow

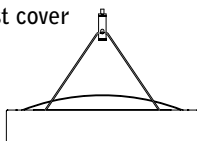
## DIMENSIONAL DATA



### 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.

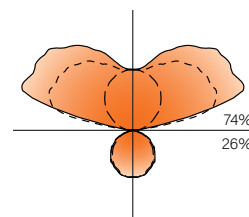
MicroGlow lens offers cutoff & brightness control to support comfortable environments.

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**

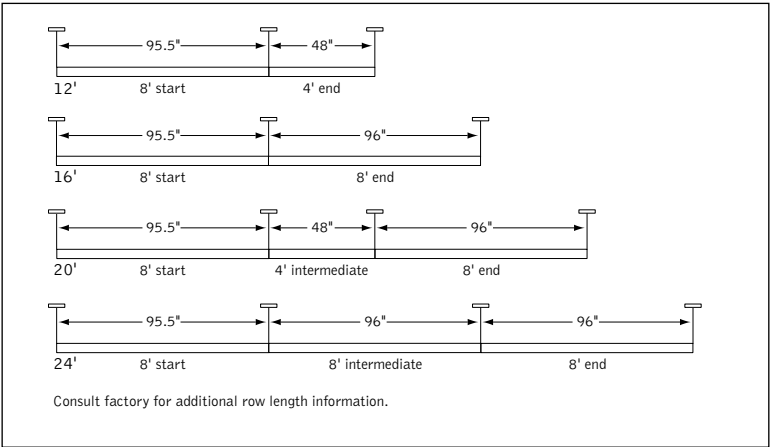
**Total System Watts: 34W**

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

fixture:

project:

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 (NLT1, ENL1, CLM1, CLMZ1, DLM1) 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

AC

MicroGlow Prismatic Lens

MG

Lumen Output

750 Lumens per foot

750LF

875 Lumens per foot

875LF

1000 Lumens per foot

1000LF

1125 Lumens per foot

1125LF

1250 Lumens per foot

1250LF

Color Temperature

3000K, 80+CRI

30K

3500K, 80+CRI

35K

4000K, 80+CRI

40K

Circuits

Single Circuit

1C

Voltage

UNV 120/277 Volt

UNV

347 Volt

347

(LD1 only)

Low Voltage

LV

Control System & Dimming Level

0-10V - 1% Dimming

L11

0-10V - 10% Dimming

LD1

Low Voltage, PoE compatible

LVN

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

Lutron Hi-Lume EcoSystem (LDE1) -

1% Dimming

LH1

DALI - 1% Dimming

D11

Step Dimming

SD5

(Not available with 750LF)

Acuity nLight - 1% Dimming

NLT1

Enlighted Smart Sensor - 1% Dimming

ENL1

Encelium CLM Connected Lighting

CLM1

Module - 1% Dimming

(Compatible with Encelium X Light Management System. Not available with EM.)

Wattstopper DLM - 1% Dimming

DLM1

Mounting

12" Cable Suspension

J12

24" Cable Suspension

J24

48" Cable Suspension

J48

96" Cable Suspension

J96

(Add "P" for Chicago plenum. Eg: J12P, CP12)

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

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

CS - for sloped ceilings.)

Stem Mount

S\_\_

(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)

Factory Options

Dust Cover

DST

Emergency Battery Pack\*

\_EM

Emergency Circuit\*

\_EC

See EM/EC Guide for default

locations and ordering details.)

Finish

Titanium Silver

TS

Matte Satin White

WH

Fixture Run Length

4'

4'

8'

8'

12' (8'+4')

12'

16' (8'+8')

16'

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

20'

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

24'

(Individual units may not be field modified for continuous

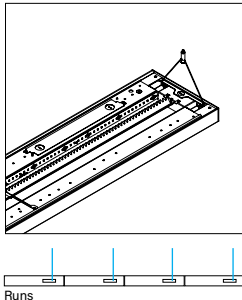
row mount. Longer run lengths

available in 4' increments.)



Options in orange qualify for the Quickship program, 400' total. Refer to Quickship Guide for complete details including EM/EC options.

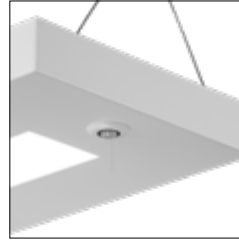
Focal Point provides flexibility in meeting the needs of each project by integrating with several building lighting control systems. A variety of sensors, drivers and other components can be specified that allow the luminaires to communicate with wired and wireless networks. All zoning can be digitally 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.†



nLight<sup>®</sup> provides a two-way wired digital lighting system allowing for on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting.

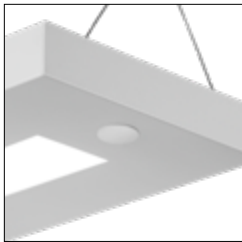
Acuity nLight - 1% Dimming (NLT1)  
Acuity Model #nEPS-60-IO

CAT-5 Cable provided by others. Serial labels will be provided on outside of luminaires and control unit.



Enlighted smart sensor allows for occupancy sensing, daylight harvesting, energy usage, temperature and light level control. Communicates wirelessly with the Enlighted network.

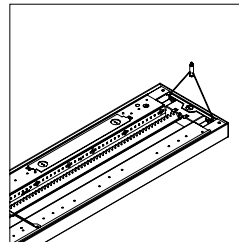
Enlighted Smart Sensor - 1% Dimming (ENL1)  
Enlighted Model #SU-5E-IOT



Encelium's Connected Lighting Module (CLM) is fully compatible with the Encelium X Light Management System, as well as with 0-10V and DALI based LED drivers to allow for individual luminaire control, including on/off and dimming functionalities, occupancy sensing, and multi-zone daylight harvesting.

Encelium CLM - 1% Dimming (CLM1)  
Encelium Model #ZBHA-CLM-DIM-ENC

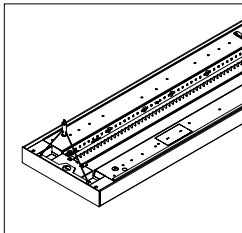
Serial labels will be provided on outside of luminaires and control unit.



A Digital Lighting Management (DLM) system that provides two-way wired communication between networked luminaires and control system to allow for on/off and dimming functionality, occupancy sensing and multi-zone daylight harvesting.

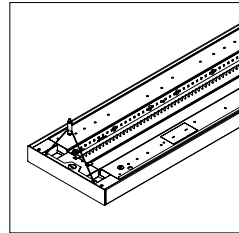
Wattstopper DLM - 1% Dimming (DLM1)  
Wattstopper Model #LMFC-011

Segment Network Wire provided by others. Serial labels will be provided on outside of luminaires and control unit.



A two-way digital network that enables on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting working with Quantum<sup>®</sup>, Energi Savr Node<sup>™</sup>, and Energi TriPak<sup>®</sup> using EcoSystem<sup>®</sup> communication protocol.

Lutron Hi-Lume EcoSystem - 1% Dimming (LH1)  
Lutron Model #LDE1



A two-way digital network that enables on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting. Communicates with Züm wireless and SpaceBuilder working with Züm hub scheduling or FUSION management.

DALI - 1% Dimming (D11)  
0-10V - 1% Dimming (L11)

Note: 0-10V is not a digital network but is compatible with Creston Züm<sup>™</sup> system.

## CONNECTED SOLUTIONS DETAILS

Connected Solution	Model #	Protocol	Compatible Networks*	Occupancy	Daylight	Temperature Reporting	Communication to Luminaire	Drivers
Acuity nLight (NLT1)	nEPS-60-IO**	nLight	nLight	Enabled	Enabled	No	Wired	<b>eldoLED ECoDrive</b> , eldoLED SOLOdrive
Crestron (D11, L11)	Specified Driver	DALI 0-10V	Crestron Züm Wireless & SpaceBuilder	Enabled	Enabled	No	Wired	<b>eldoLED ECoDrive (DALI)</b> , <b>Advance by Signify</b> (0-10V)
Enlighted Smart Sensor (ENL1)	SU-5E-IOT**	Enlighted RF	Enlighted	Integrated	Integrated	Yes	Wireless	<b>Advance by Signify</b> , Optotronic by eldoLED
Legrand Wattstopper DLM (DLM1)	LMFC-011**	DLM	DLM	Enabled	Enabled	No	Wired	<b>Advance by Signify</b> , Optotronic by eldoLED
Lutron EcoSystem (LH1)	LDE1**	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	Enabled	No	Wired	<b>Lutron Hi-Lume</b>
Encelium CLM Connected Lighting Module (CLM1)	ZBHA-CLM-DIM-ENC*	ZigBee	Encelium X Light Management System	Enabled	Enabled	No	Wireless	<b>Optotronic by eldoLED</b> Advance by Signify

\*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.

# EM/EC Guide

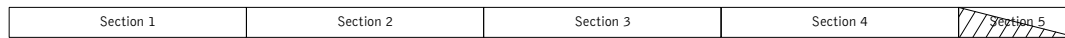
TWELVE LED - FTWLS



## 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

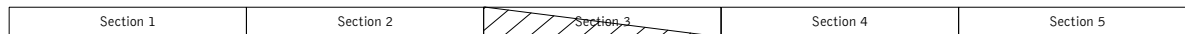


Ordering example: FTWLS-AC... **2EM-WH-36ft**

## ALTERNATE LOCATIONS AND QUANTITIES

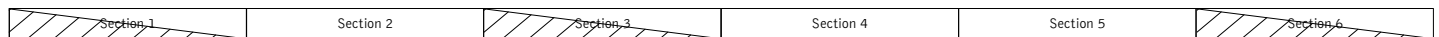
- If more than two locations are required, or specific locations within run need to be specified, indicate in the ordering string.

### ONE EM IN 3<sup>RD</sup> SECTION



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

### THREE EM IN 1<sup>ST</sup>, 3<sup>RD</sup> AND 6<sup>TH</sup> 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.