

Twelve

LED



FOCAL POINT®

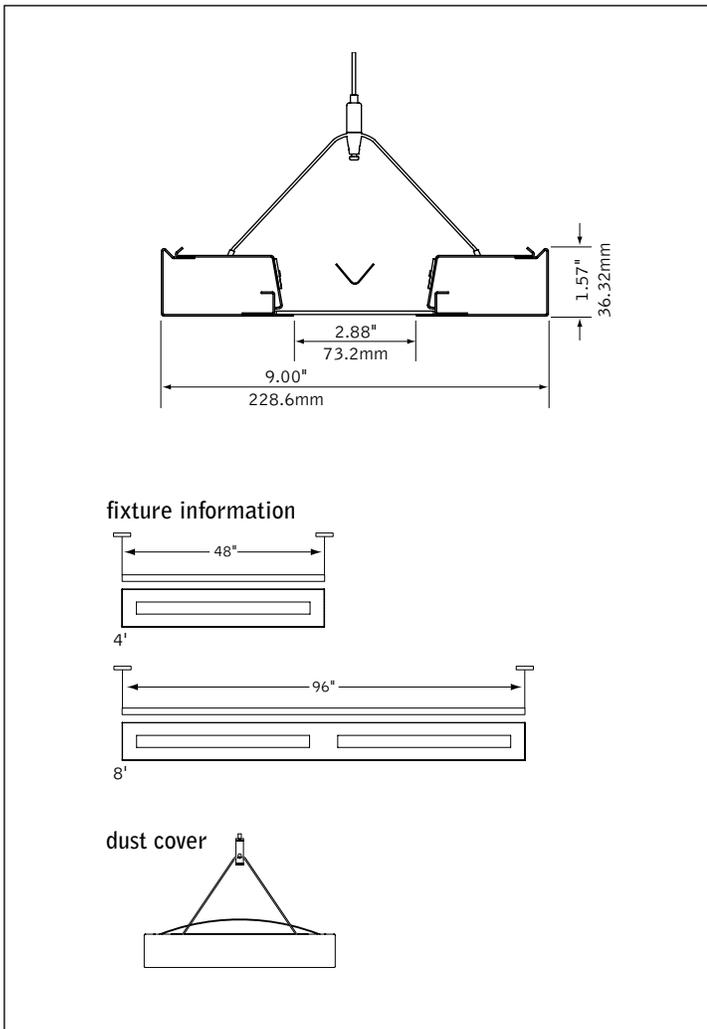


acrylic diffuser



microglow

DIMENSIONAL DATA



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

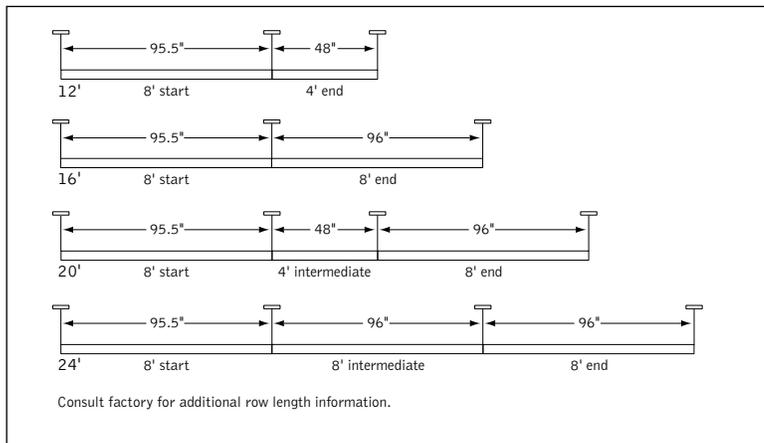
4' unit, Acrylic Diffuser
Nominal output:
1000 Lumens per foot
Delivered Lumens: 4000lm
Total System Watts: 34W

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

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 (WSPC, NLT1, 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	FTWLS	
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		1C
Single Circuit	1C	
Voltage		
UNV 120/277 Volt	UNV	
347 Volt (LD1 only)	347	
Low Voltage	LV	
Control System & Dimming Level		
0-10V - 10% Dimming	LD1	
0-10V - 1% Dimming	L11	
Low Voltage, PoE compatible (No driver. Not available with EM or EC. LV Voltage only)	LVN	
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1	
DALI - 1% Dimming	D11	
Step Dimming (Not available with 750LF)	SD5	
Wattstopper PLUS: Connected Light Module (0-10V standard. Consult factory for DALI)	WSPC	
Acuity nLight - 1% Dimming	NLT1	
Current NX Enabled - 1% Dimming	NXE1	
WaveLinX Pro - 1% Dimming* <small>*See sensor layout guide</small>	WLXP	
Mounting		
12" Cable Suspension	J12	
24" Cable Suspension	J24	
48" Cable Suspension	J48	
96" Cable Suspension <small>(Add "P" for Chicago plenum. Eg: JPI2, CP12) <small>(Specify one of the following in place of "J") C - for 5" canopies at non-feed locations. CS - for sloped ceilings.)</small></small>	J96	
Stem Mount <small>(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)</small>	S	
Factory Options		
Dust Cover	DST	
Emergency Battery Pack*	_EM	
Emergency Circuit* <small>See EM/EC Guide for default locations and ordering details.)</small>	_EC	
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.)

Focal Point provides broad flexibility through compatibility with a wide range of indoor lighting control systems. A variety of sensors, nodes, controllers, and drivers can be specified to scale the system and meet the needs of each application across both wired and wireless networks.

Features such as daylight harvesting, occupancy sensing, dimming, and switching help save energy, reduce costs, and enhance occupant comfort. All Connected Solutions luminaires require a compatible building control system.

Controls systems supplied by others. For performance data and additional control system details, please visit the connected solutions manufacturers websites.

Connected Solution	Ordering Code	Model #	Protocol	Compatible Networks <small>(Not all compatible networks may be listed)</small>	Description	Occupancy & Daylight	Communication to Luminaire	Drivers <small>(Primary drivers are listed in bold. To specify a particular driver please consult factory.)</small>	Driver Type
legrand® WATTSTOPPER®									
	WSPC	EN-ZBHA-CLM-DIM	ZigBee	Wattstopper PLUS	Node	Enabled†	Wireless	Advance by Signify	0-10V standard, consult factory for DALI
COOPER Lighting Solutions									
	WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Sensor	Integrated*	Wireless <small>(WaveLinx Pro Wireless Area Controller)</small>	Advance by Signify	0-10V
Current®									
	NXE1	NXFM2-LV	NX	NX Distributed Intelligence	Controller	Enabled†	Wired	Optotronic by eldoLED	0-10V
nLIGHT									
	NLT1	nEPS-60-IO	nLight	nLight	Controller	Enabled†	Wired	eldoLED ECOdrive, eldoLED SOLOdrive	0-10V

†Enabled: Luminaire supplied with a node/controller. Sensor to be provided by others.

*Integrated: Luminaire 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

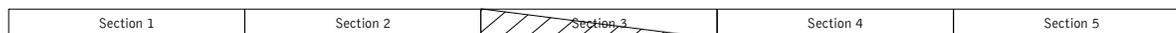


Ordering example: FTWLS-AC... **2EM-WH-36ft**

ALTERNATE LOCATIONS AND QUANTITIES

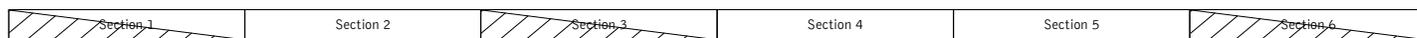
- If more than two locations are required, or specific locations within run need to be specified, indicate in the ordering string.

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.