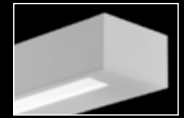




acrylic diffuser

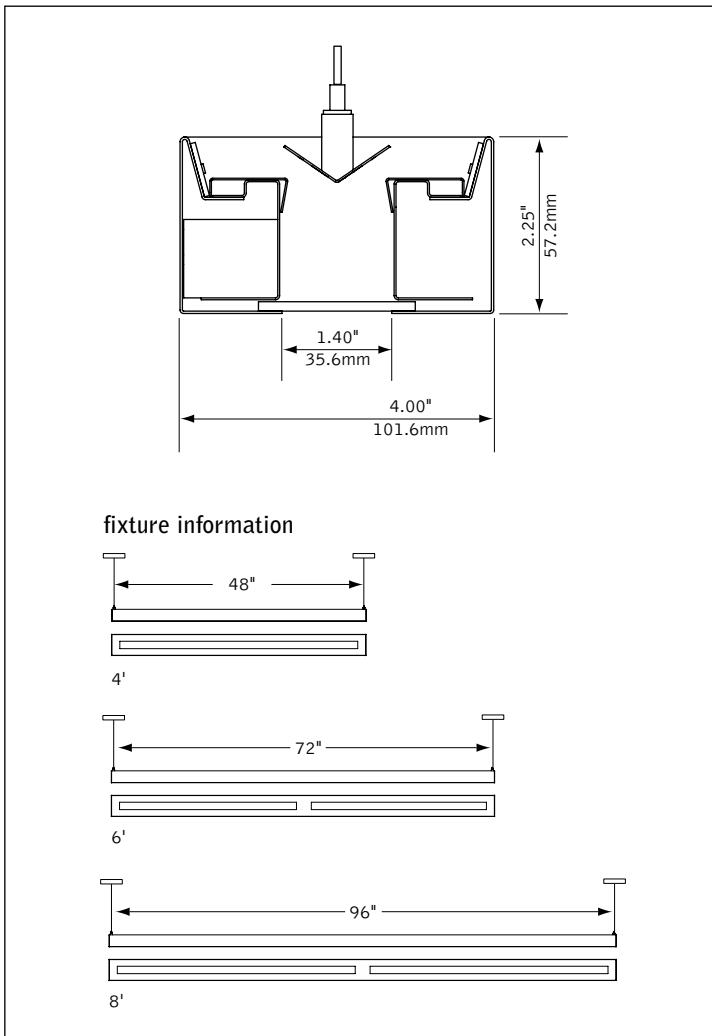


microglow lens



wall mount companion

DIMENSIONAL DATA



FEATURES

Miniature suspended direct/indirect LED luminaire.

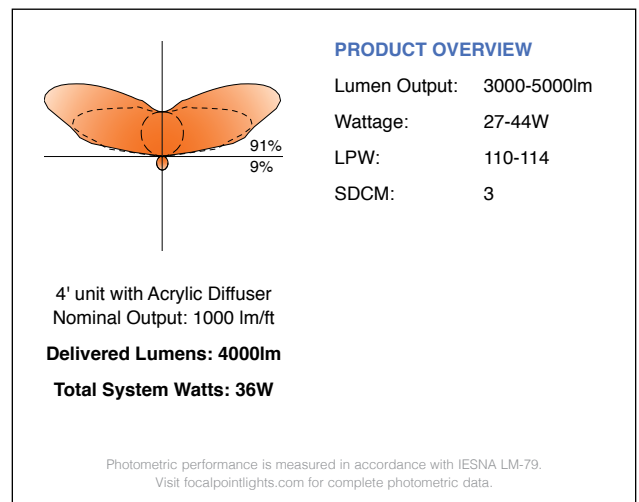
Excellent choice for lower ceiling applications and areas where ceiling uniformity is important.

Features Gradient Optic which softens cut-off line on surrounding walls and other vertical structures. Optional Beam Smoothing Diffuser provides additional softening to the beam.

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

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

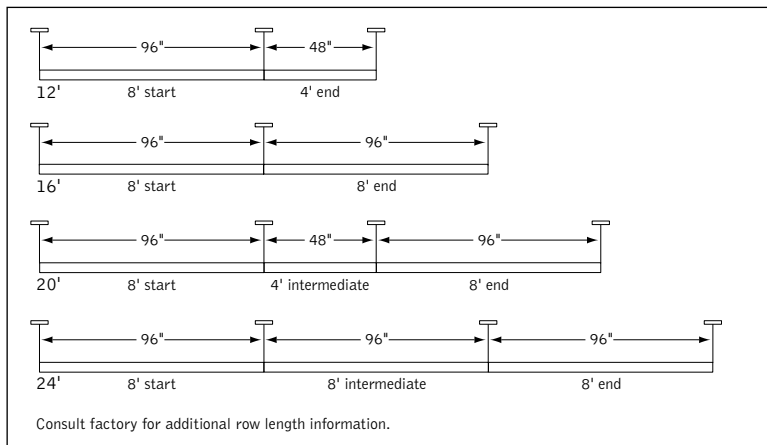
PERFORMANCE



fixture:

project:

DETAILS



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 22 Ga. steel housing. Steel end caps attach flush to housing. For row installation, internal brackets form hairline joint. All luminaires are provided with single-point suspension mounted on 48", 72" or 96" centers. 4' unit weight: 10lbs. 6' unit weight: 16 lbs. 8' unit weight: 21 lbs.

Optic

Reflector fabricated of low iridescent, semi specular premium grade aluminum. 24 Ga. steel gradient optic finished in matte white powder coat. 0.125" thick acrylic lens. Optional 0.42" smooth acrylic Beam Smoothing Diffuser.

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.

Emergency Battery

Emergency output—12W for 90 minutes for all available models. Beam Smoothing Diffuser supplied as standard.

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
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

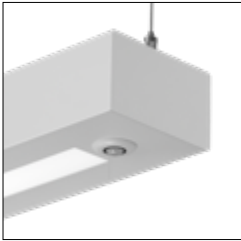
Shielding	Lumens per Foot	Delivered Lumens	System Watts	LPW
Acrylic Diffuser / MicroGlow Lens	750LF	3000	27	112
	875LF	3500	31	112
	1000LF	4000	36	111
	1125LF	4500	41	110
	1250LF	5000	44	114

Based on 3500K. Color Temperature multipliers: 3000K - 1.035, 4000K - 0.975. *Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%

ORDERING

Fixture Series	FDALS	FDALS
Dart LED	FDALS	
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	
<small>(Not available with L3D driver)</small>		
Color Temperature		
3000K	30K	
3500K	35K	
4000K	40K	
Circuits		
Single Circuit	1C	
Voltage		
120/277 UNV Volt	UNV	
347 Volt	347	
<small>(LD1 only)</small>		
Control System & Dimming Level		
0-10V - 1% Dimming	L11	
0-10V - 10% Dimming	LD1	
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1	
Lutron 5-Series EcoSystem (LDE5) - 5% Dimming	LU5	
DALI - 1% Dimming	D11	
DALI - 10% Dimming	DD1	
Step Dimming	SD5	
<small>(Not available with 750LF)</small>		
Enlighted Smart Sensor - 1% Dimming	ENL1	
Osram Connected Lighting Module - 1% Dimming	CLM1	
<small>(Compatible with Daintree Networks & Osram ENCELIUM and ENCELIUM EDGE systems)</small>		
Mounting		
24" Cable Suspension	J24	
48" Cable Suspension	J48	
96" Cable Suspension	J96	
<small>(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.)</small>		
Factory Options		
Beam Smoothing Diffuser	BSD	
<small>(Dust Cover. Supplied as standard with Emergency Battery.)</small>		
Emergency Circuit	EC	
Emergency Battery	EM	
<small>(Not available in 6' units. BSD standard.)</small>		
Finish		
Titanium Silver	TS	
Matte Satin White	WH	
Fixture Run Length		
4'	4'	
6'	6'	
<small>(Can not be combined with 4' & 8' lengths to create longer run length)</small>		
8'	8'	
12' (8'+4')	12'	
16' (8'+8')	16'	
20' (8'+4'+8')	20'	
24' (8'+8'+8')	24'	
<small>(Individual units may not be field modified for continuous row mount)</small>		

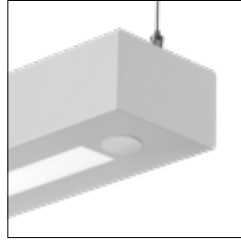
Focal Point provides flexibility in meeting the needs of each project by integrating with several building lighting control systems. A variety of sensors, drivers and other components can be specified that allow the luminaires to communicate with wired and wireless networks. All zoning can be digitally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



enlighted

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-4E-01

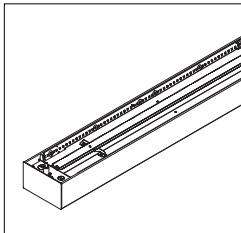


OSRAM

Connected Lighting Module (CLM) enables each luminaire to be independently controlled and configured. Communicates wirelessly with Daintree Networks®, Osram ENCELIUM®, Osram ENCELIUM EDGE™, and other networks using the ZigBee® HA communication protocol to allow for on/off and dimming functionality, occupancy sensing and multi-zone daylight harvesting.

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

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

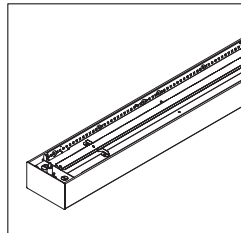


LUTRON

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

Lutron Hi-Lume EcoSystem - 1% Dimming (LH1)
Lutron Model #LDE1
Lutron 5-Series EcoSystem - 5% Dimming (LU5)
Lutron Model #LDE5

Integrated drivers. See installation instructions for driver service.



CRESTRON

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™ system.

CONNECTED SOLUTIONS DETAILS

Connected Solution	Model #	Protocol	Compatible Networks*	Occupancy	Daylight	Temperature Reporting	Communication to Luminaire	Drivers
Crestron (D11, L11)	Specified Driver	DALI 0-10V	Crestron Züm Wireless & SpaceBuilder	Enabled	Enabled	No	Wired	eldoLED ECOdrive (DALI), Philips Xitanium (0-10V)
Enlighted Smart Sensor (ENL1)	SU-4E-01**	Enlighted RF	Enlighted	Integrated	Integrated	Yes	Wireless	Philips SimpleSet, Osram Optotronic
Lutron EcoSystem (LH1 & LU5)	LDE1,** LDE5**	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	Enabled	No	Wired	Lutron Hi-Lume Lutron 5-Series
Osram CLM (CLM1)	ZBHA-CLM**	ZigBee HA	Osram ENCELIUM & ENCELIUM EDGE, Daintree Networks	Enabled	Enabled	No	Wireless	Osram Optotronic

*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.