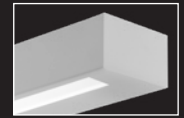




acrylic diffuser

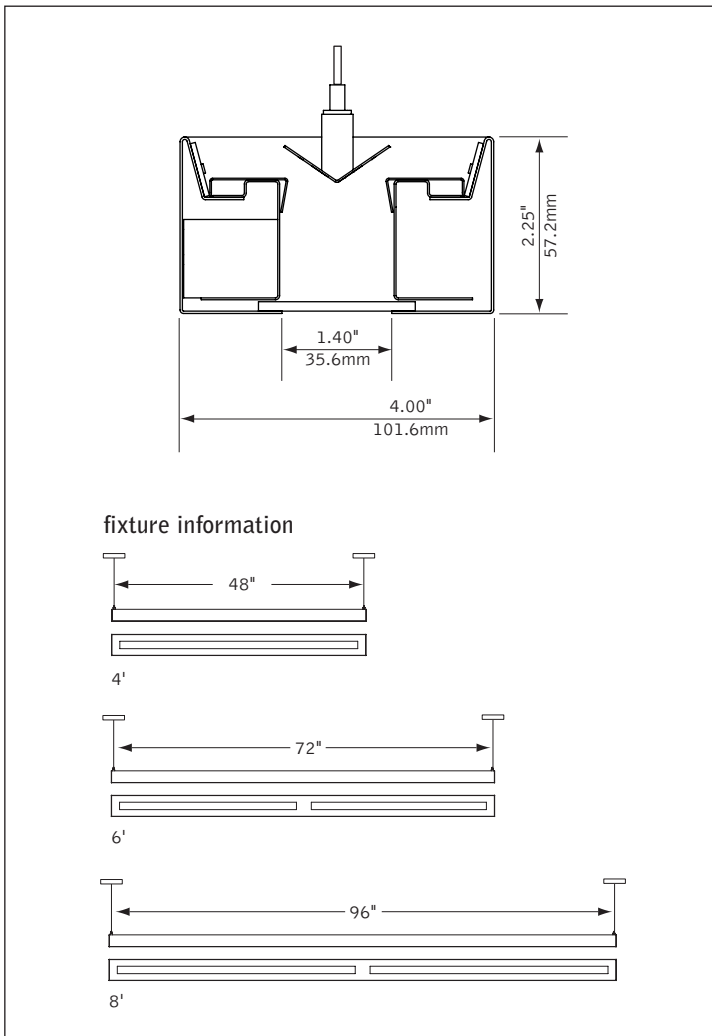


microglow lens



wall mount companion

**DIMENSIONAL DATA**



**FEATURES**

Miniature suspended direct/indirect LED luminaire.

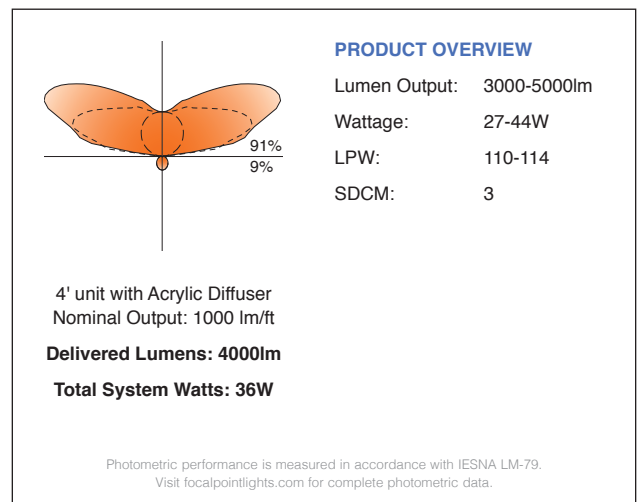
Excellent choice for lower ceiling applications and areas where ceiling uniformity is important.

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.

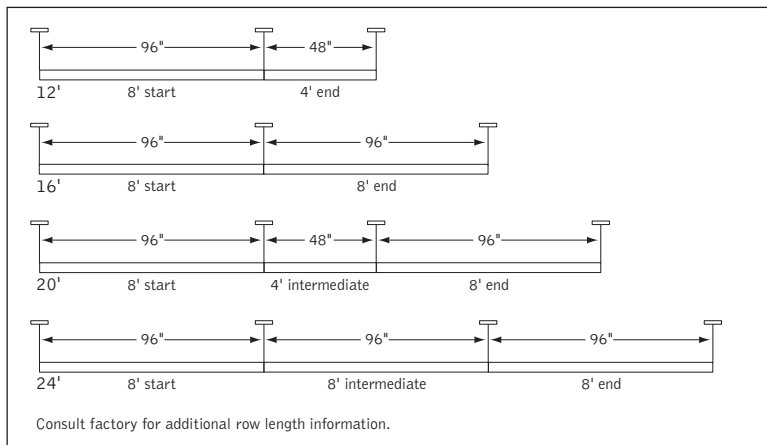
**PERFORMANCE**



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

Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%

**ORDERING**

Fixture Series	FDALS
Dart LED	FDALS
<b>Shielding</b>	
Acrylic Diffuser	AC
MicroGlow Prismatic Lens	MG
<b>Lumen Output</b>	
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
<b>Color Temperature</b>	
3000K	30K
3500K	35K
4000K	40K
<b>Circuits</b>	
Single Circuit	1C
<b>Voltage</b>	
120/277 UNV Volt	UNV
347 Volt (LD1 only)	347
<b>Control System &amp; Dimming Level</b>	
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 for ENCELIUM systems - 1% Dimming	CLM1
<small>(Compatible with Osram ENCELIUM and ENCELIUM EDGE systems only)</small>	
Osram Connected Lighting Module for ZigBee Wireless Networks - 1% Dimming	CLMZ1
<small>(Not compatible with Osram ENCELIUM systems)</small>	
<b>Mounting</b>	
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>	
<b>Factory Options</b>	
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>	
<b>Finish</b>	
Titanium Silver	TS
Matte Satin White	WH
<b>Fixture Run Length</b>	
4'	4'
6'	6'
<small>(Can not be combined with 4' &amp; 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>	

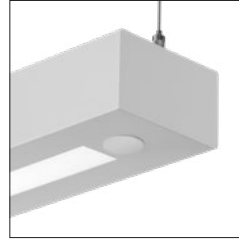
Focal Point provides flexibility in meeting the needs of each project by integrating with several building lighting control systems. A variety of sensors, drivers and other components can be specified that allow the luminaires to communicate with wired and wireless networks. All zoning can be digitally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

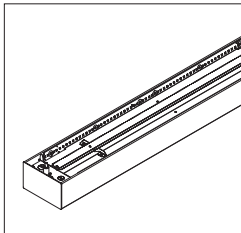


**OSRAM**

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 & CLMZ1)  
Osram Model #ZBHA-CLM DIM

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

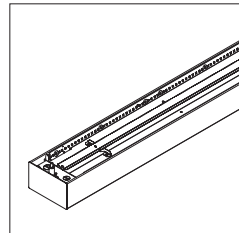


**LUTRON**

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	<b>eldoLED ECOdrive (DALI), Philips Xitanium (0-10V)</b>
Enlighted Smart Sensor (ENL1)	SU-4E-01**	Enlighted RF	Enlighted	Integrated	Integrated	Yes	Wireless	<b>Philips SimpleSet, Osram Optotronic</b>
Lutron EcoSystem (LH1 & LU5)	LDE1**, LDE5**	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	Enabled	No	Wired	<b>Lutron Hi-Lume Lutron 5-Series</b>
Osram CLM for ENCELIUM systems (CLM1)	ZBHA-CLM**	ZigBee HA	Osram ENCELIUM & ENCELIUM EDGE	Enabled	Enabled	No	Wireless	<b>Osram Optotronic</b>
Osram CLM for ZigBee Wireless Networks (CLMZ1)	ZBHA-CLM**	ZigBee HA	Daintree Networks & open ZigBee Networks	Enabled	Enabled	No	Wireless	<b>Osram Optotronic</b>

\*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.