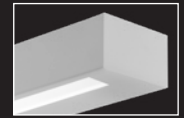




acrylic diffuser

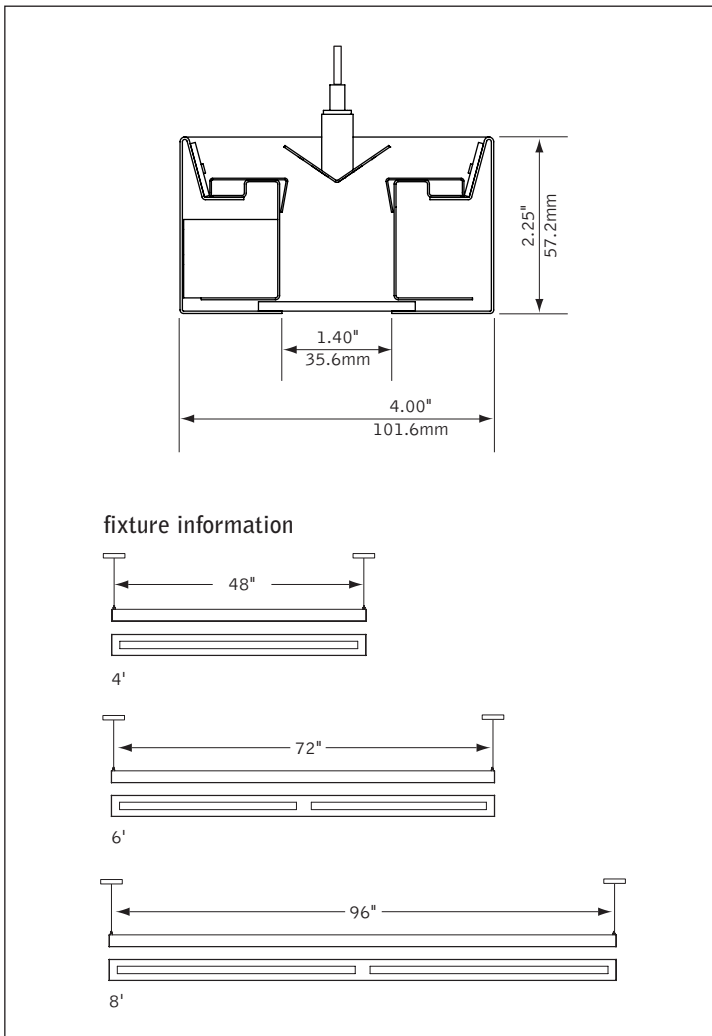


microglow lens



wall mount companion

DIMENSIONAL DATA



FEATURES

Miniature suspended direct/indirect LED luminaire.

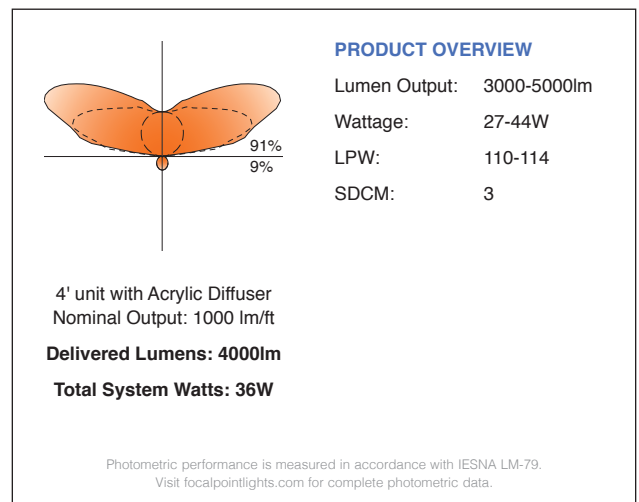
Excellent choice for lower ceiling applications and areas where ceiling uniformity is important.

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.

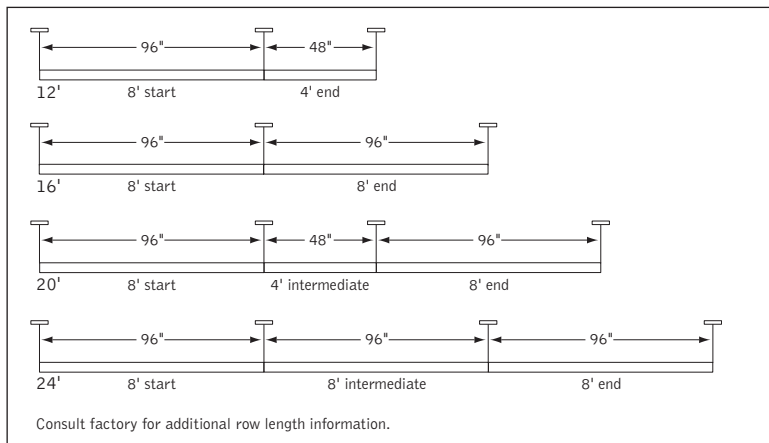
PERFORMANCE



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

Emergency Battery output—12W for 90 minutes for all available models. Beam Smoothing Diffuser supplied as standard. Emergency Circuit with Connected Solutions (ENL1, CLM1, CLMZ1) shipped standard with leads to connect UL924 compliant device, by others.

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%

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

ORDERING

| Fixture Series | 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 |
| Color Temperature | |
| 3000K | 30K |
| 3500K | 35K |
| 4000K | 40K |
| Circuits | |
| Single Circuit | 1C |
| Voltage | |
| 120/277 UNV Volt | UNV |
| 347 Volt (LD1 only) | 347 |
| 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 (Not available with 750LF) | SD5 |
| Enlighted Smart Sensor - 1% Dimming | ENL1 |
| Osram Connected Lighting Module for ENCELIUM systems - 1% Dimming (Compatible with Osram ENCELIUM and ENCELIUM EDGE systems only) | CLM1 |
| Osram Connected Lighting Module for ZigBee Wireless Networks - 1% Dimming (Not compatible with Osram ENCELIUM systems) | CLMZ1 |
| 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 (Dust Cover. Supplied as standard with Emergency Battery.) | BSD |
| Emergency Circuit | EC |
| Emergency Battery (Not available in 6' units. BSD standard.) | EM |
| 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> | |

For more information visit focalpointlights.com/reference or consult factory.

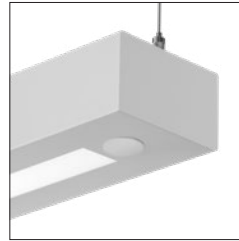
Focal Point provides flexibility in meeting the needs of each project by integrating with several building lighting control systems. A variety of sensors, drivers and other components can be specified that allow the luminaires to communicate with wired and wireless networks. All zoning can be digitally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

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 #CS-D2

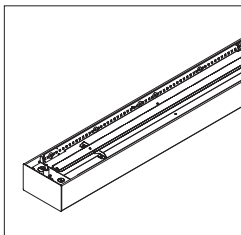


OSRAM

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.

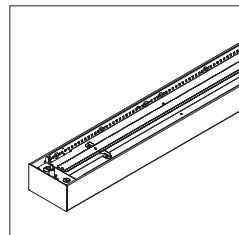


LUTRON®

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 | eldoLED ECOdrive (DALI), Advance by Signify (0-10V) |
| Enlighted Smart Sensor (ENL1) | CS-D2** | Enlighted RF | Enlighted | Integrated | Integrated | Yes | Wireless | Advance by Signify, 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 for ENCELIUM systems (CLM1) | ZBHA-CLM** | ZigBee HA | Osram ENCELIUM & ENCELIUM EDGE | Enabled | Enabled | No | Wireless | Osram Optotronic |
| Osram CLM for ZigBee Wireless Networks (CLMZ1) | ZBHA-CLM** | ZigBee HA | Daintree Networks & open ZigBee 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.