

Dart

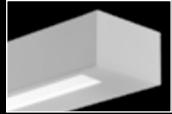
LED



acrylic diffuser

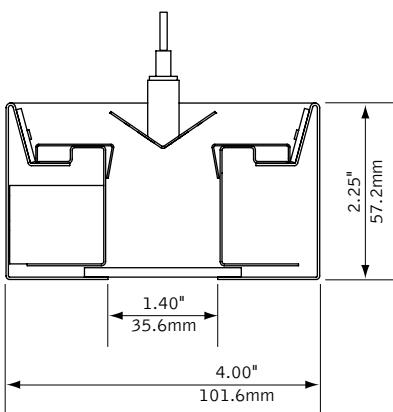


microglow lens

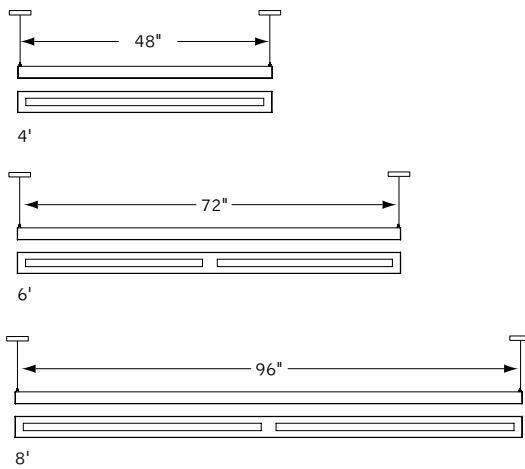


wall mount companion

DIMENSIONAL DATA



fixture information



FEATURES

Miniature suspended direct/indirect LED luminaire.

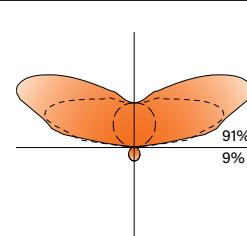
Excellent choice for lower ceiling applications and areas where ceiling uniformity is important.

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



PRODUCT OVERVIEW

Lumen Output: 3000-5000lm

Wattage: 27-44W

LPW: 110-114

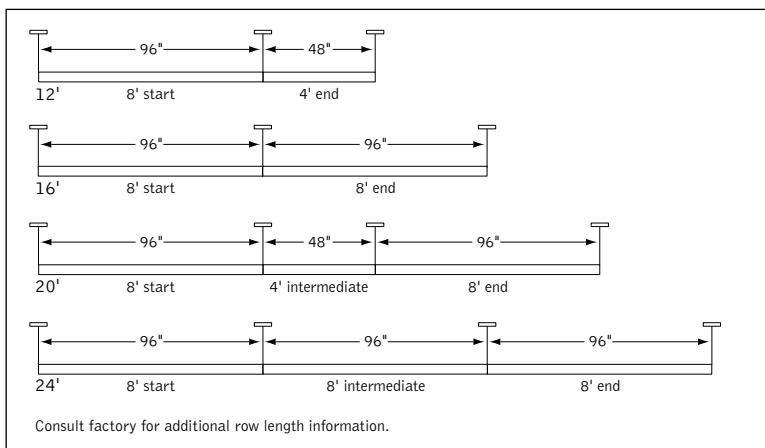
SDCM: 3

4' unit with Acrylic Diffuser
Nominal Output: 1000 lm/ft

Delivered Lumens: 4000lm

Total System Watts: 36W

Photometric performance is measured in accordance with IESNA LM-79.
Visit focalpointlights.com for complete photometric data.

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 (LMFS1, LMFSD, CLM1, WLXP) 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%

ORDERING

Fixture Series	FDALS
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Dart LED	FDALS
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Shielding	
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Acrylic Diffuser	AC
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MicroGlow Prismatic Lens	MG
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Lumen Output	
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750 Lumens per foot	750LF
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875 Lumens per foot	875LF
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1000 Lumens per foot	1000LF
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1125 Lumens per foot	1125LF
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1250 Lumens per foot	1250LF
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Color Temperature	
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3000K	30K
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3500K	35K
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4000K	40K
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Circuits	
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Single Circuit	1C
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Voltage	
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120/277 UNV Volt	UNV
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347 Volt	
(LD1 only)	

Control System & Dimming Level	
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0-10V - 10% Dimming	LD1
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0-10V - 1% Dimming	L11
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Lutron Hi-Lume EcoSystem (LDE1) -	
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1% Dimming	LH1
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DALI - 1% Dimming	D11
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DALI - 10% Dimming	DD1
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Step Dimming	SD5
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(Not available with 750LF)	
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Wattstopper Fixture Sensor	LMFS1
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Low Density - 1% Dimming	LMFSD
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Wattstopper Fixture Sensor	
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High Density - 1% Dimming	
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Encelium CLM Connected Lighting Module - 1% Dimming	CLM1
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WaveLinx Pro - 1% Dimming	WLXP
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<small>*See sensor layout guide</small>	
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Mounting	
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24" Cable Suspension	J24
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48" Cable Suspension	J48
96" Cable Suspension	J96

(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.)

Factory Options

Beam Smoothing Diffuser	BSD
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(Dust Cover. Supplied as standard with Emergency Battery.)

Emergency Circuit	EC
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Emergency Battery	EM
(Not available in 6' units. BSD standard.)	

Finish

Titanium Silver	TS
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Matte Satin White	WH
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Fixture Run Length

4'	
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6'	
(Can not be combined with 4' & 8' lengths to create longer run length)	
8'	
12'	
16'	
20'	
24'	
(Individual units may not be field modified for continuous row mount)	
8'	
12'	
16'	
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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.[†]

Connected Solution	Ordering Code	Model #**	Protocol	Compatible Networks*	Occupancy & Daylight	Temperature Reporting	Communication to Luminaire	Drivers
 WATTSTOPPER®	LMFS1	LMFS-601 & LMFI-111	DLM Wireless	DLM	Integrated ²	No	Wireless	Advance by Signify
	LMFSD	LMFS-601						Optotronic by eldoLED (Dexal)
 COOPER Lighting Solutions	WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Integrated ²	No	Wireless (WaveLinx Pro Wireless Area Controller)	Advance by Signify
 CRESTRON	D11	Specified Driver	DALI	Crestron Züm Wireless & SpaceBuilder	Enabled ¹	No	Wired	eldoLED ECODrive
	L11		0-10V					Advance by Signify
 ENCELIUM	CLM1	ZBHA-CLM-DIM-ENC	ZigBee	Encelium X Light Management System	Enabled ¹	No	Wireless	Optotronic by eldoLED Advance by Signify
 LUTRON	LH1	LDE1	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled ¹	No	Wired	Lutron Hi-Lume

*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. ¹Enabled: Fixture supplied with a Node/ Controller. Sensor to be provided by others. ²Integrated: Fixture supplied with an installed Sensor.