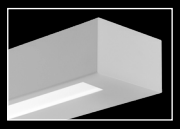
Dart™

LED

FOCAL POINT®

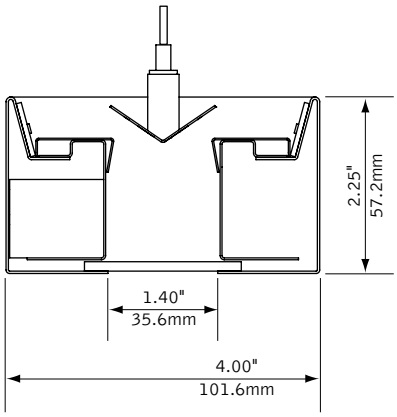
acrylic diffuser

microglow lens

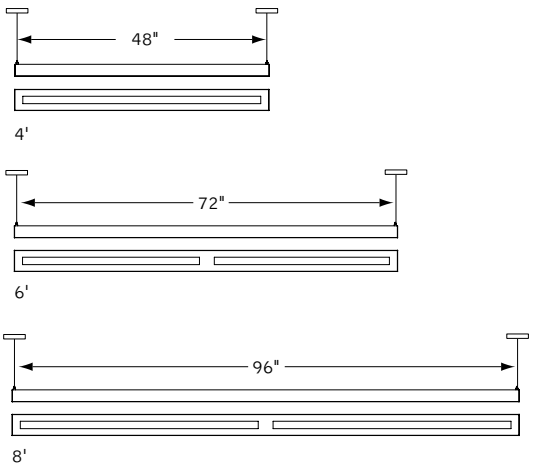


wall mount companion

DIMENSIONAL DATA



fixture information



FEATURES

Miniature suspended direct/indirect LED luminaire.

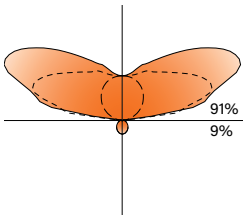
Excellent choice for lower ceiling applications and areas where ceiling uniformity is important.

Features Gradient Optic which softens cut-off line on surrounding walls and other vertical structures. Optional Beam Smoothing Diffuser provides additonal 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



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

Delivered Lumens: 4000lm

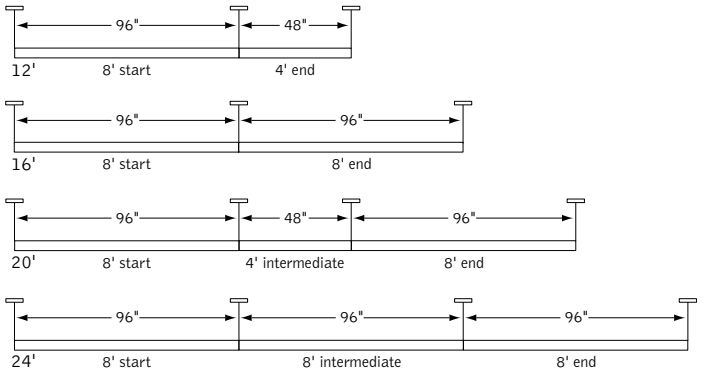
Total System Watts: 36W

PRODUCT OVERVIEW

Lumen Output:	3000-5000lm
Wattage:	27-44W
LPW:	110-114
SDCM:	3

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

DETAILS



Consult factory for additional row length 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 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, ENL1, 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%

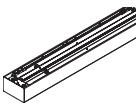
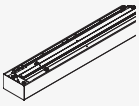
ORDERING

		FDALS
Fixture Series		
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		1C
Single Circuit	1C	
Voltage		
120/277 UNV Volt	UNV	
347 Volt (LD1 only)	347	
Control System & Dimming Level		
0-10V - 10% Dimming	LD1	
0-10V - 1% Dimming	L11	
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1	
DALI - 1% Dimming	D11	
DALI - 10% Dimming	DD1	
Step Dimming (Not available with 750LF)	SD5	
Wattstopper Fixture Sensor* Low Density – 1% Dimming	LMFS1	
Wattstopper Fixture Sensor* High Density – 1% Dimming	LMFSD	
Enlighted Smart Sensor - 1% Dimming*	ENL1	
Encelium CLM Connected Lighting Module - 1% Dimming	CLM1	
WaveLinx Pro – 1% Dimming* *See sensor layout guide	WLXP	
Mounting		
24" Cable Suspension	J24	
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 (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' (Can not be combined with 4' & 8' lengths to create longer run length)	6'	
8'	8'	
12' (8'+4')	12'	
16' (8'+8')	16'	
20' (8'+4'+8')	20'	
24' (8'+8'+8') (Individual units may not be field modified for continuous row mount)	24'	

CONNECTED® SOLUTIONS

Dart™ LED

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
legrand® WATTSTOPPER®	LMFS1	LMFS-601 & LMFI-111	DLM Wireless	DLM	Enabled	No	Wireless	**Advance by Signify**
	LMFSD	LMFS-601						**Optotronic by eldoLED (Dexal)**
COOPER Lighting Solutions	WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Enabled	No	Wireless (WaveLinx Pro Wireless Area Controller)	**Advance by Signify**
CRESTRON 	D11	Specified Driver	DALI	Crestron Zūm Wireless & SpaceBuilder	Enabled	No	Wired	**eldoLED ECOdrive**
	L11		0-10V					**Advance by Signify**
ENCELIUM	CLM1	ZBHA-CLM-DIM-ENC	ZigBee	Encelium X Light Management System	Enabled	No	Wireless	**Optotronic by eldoLED** Advance by Signify
Enlighted	ENL1	SU-5E-IOT	Enlighted RF	Enlighted	Integrated	Yes	Wireless	**Advance by Signify**
LUTRON 	LH1	LDE1	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	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.