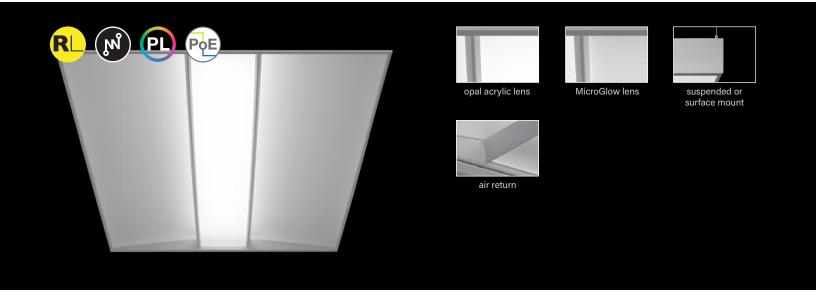
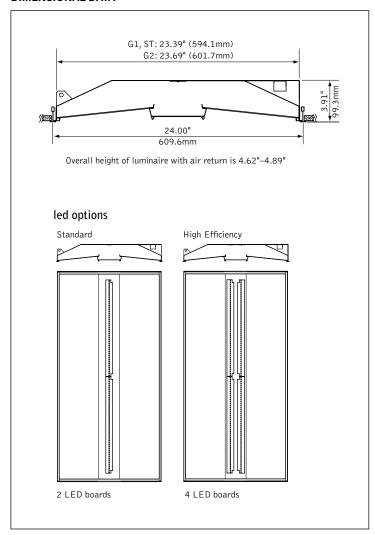
Equation™ 2 2x4





DIMENSIONAL DATA



FEATURES

Equation [™] 2 blends sleek aesthetics with uniform diffuse illumination.

Center diffuser features MicroGlow prismatic lens for brightness control and visual comfort. Opal acrylic center lens may also be specified.

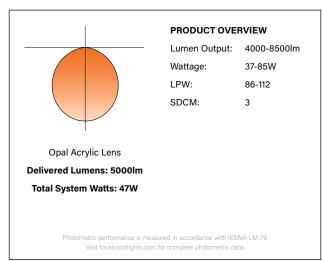
Premium LEDs operate efficiently to achieve excellent thermal management and reliable operation.

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

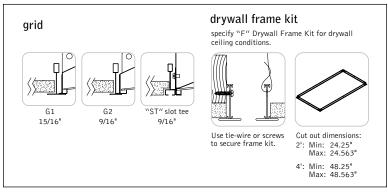
Preferred Light: Lighting for better color rendition and human preference.

PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

PERFORMANCE



MOUNTING INFORMATION



SPECIFICATIONS

LED System

Proprietary linear LED module incorporates premium LEDs on a robust platform to achieve excellent thermal management. LEDs are placed to promote a uniform appearance. Available in 2700K, 3000K, 3500K or 4000K with CRI>80 or CRI>90, 3SDCM. 3500K and 4000K with CRI>90 have a cyanosis observation index (COI) of 3.3 or less. Contact factory for additional color temperature and CRI options. 0-10V dimming driver standard. LED modules and drivers are replaceable from below.

Construction

One piece 24 Ga. steel reflector and housing. Bottom access 24 Ga. steel driver compartment. Positional brackets supplied as standard. Standard weight: 27.3 lbs. Surface-mount/suspended weight: 35.5 lbs.

24 Ga. steel reflectors finished in matte satin white powder coat. .080" thick frosted white acrylic diffusers. Center shielding options include .080" thick opal acrylic lens or MicroGlow prismatic lens with optical filter overlay.

Electrical

Standard 120-277V driver includes 0-10V analog dimming. Power factor > .9. Optional Lutron EcoSystem or Step-dimming drivers available. PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

Emergency

Emergency battery output—10 watts for 90 minutes. Emergency Circuit with Connected Solutions (NLT1, ENL1, CLM1, DLM1) requires a UL924 compliant device, consult factory.

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.

Lumen Maintenance

Reported: L70 at >61,000 hours Calculated: L70 at 460,000 hours L80 at >61,000 hours L80 at 280,000 hours (Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.)

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.

LED system rated for operation in ambient environments up to 25°C. 5-year limited warranty.

PERFORMANCE CHART

Lumen Output		Tested System Watts	LPW		Lumen Output		Tested System Wat
4000	4000L	33	119	_	6000	6000LH	47
	4000LH	31	126		6500	6500LH	51
4500	4500L	39	112	_	7000	7000LH	55
	4500LH	34	129		7500	7500LH	59
5000	5000L	45	106		8000	8000LH	63
	5000LH	37	129		8500	8500LH	67
5500	5500L	51	106				
	5500LH	43	124				

Based on 3500K, 80 CRI, Opal Acrylic Lens. Lumen multipliers: Preferred Light = 0.65, 90+ CRI = 0.87 MicroGlow Prismatic Lens = 0.94. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

FEQ2 **Luminaire Series** 24 **Nominal Size** Shielding **Opal Acrylic Lens** MicroGlow Prismatic Lens **Lumen Output** Standard 4000 Lumens 4500 Lumens 45001 5000 Lumens 5500 Lumens High Efficiency 4000 Lumens 4500 Lumens 4500LH 5000 Lumens 5500 Lumens 5500LH 6000 Lumens 6000LH 6500 Lumens 6500LH 7000 Lumens 7500 Lumens 8000 Lumens 8000LH 8500 Lumens 8500LH **Color Temperature** 2700K, 80+ CBI or 90+ CBI 27K or 927K 3000K, 80+ CRI or 90+ CRI 30K or 930K 3500K, 80+ CRI or 90+ CRI 35K or 93 4000K, 80+ CRI or 90+ CRI 40K or 940K 3500K, Preferred Light P35K 1C Single Circuit 1C Voltage UNV 120/277 Ver 347 Volt (Not available with SD5 or DLM.) Low Voltage **Control System & Dimming Level** 0-10V - 10% Dimming 0-10V - 1% Dimming Low Voltage, PoE compatible ordiver. Not available with EM. LV Voltage only.) LVN Lutron Hi-Lume EcoSystem (LDE1) -1% Dimming LH1 Step Dimming SD5 (6000 lumens or less only. 120/277 only. Enlighted Smart Sensor - 1% Dimming ENL₁ (Cannot combine with 347V & EM.) Encelium CLM Connected Lighting Module - 1% Dimming CLM1 (5500 Lumens or less. Cannot combine with 347V & EM. Compatible with Encelium X Light Management System) Wattstopper DLM - 1% Dimming DLM1 Mounting 24" Aircraft Cable 48" Aircraft Cable 96" Aircraft Cable C96 Drywall Frame Kit (ENL1, CLM1 & DLM1 not available) (Cut out dimensions: Min: 24.25"/Max: 24.563" Min: 48.25"/Max: 48.563") 15/16" Grid 9/16" Grid Slot Tee Surface Mount (Not available with DLM1) **Factory Options** (Overall height with Air Return is 4.62"-4.89") Chicago Plenum **Emergency Battery** with Integral Test Switch (Cannot combine with 347V) 6' New York City Flex Whip (120V) FNY1 6' New York City Flex Whip (277V) 6' Flex Whip **Finish** WH Matte Satin White WH

ORDERING





Equation[™] 2 2x4

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 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-5E-IOT

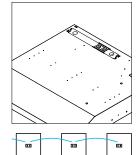


ENCELIUM

Encelium's Connected Lighting Module (CLM) is fully compatible with the Encelium X Light Management System, as well as with 0-10V and DALI based LED drivers to allow for individual luminaire control, including on/off and dimming functionalities, occupancy sensing, and multi-zone daylight harvesting.

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

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



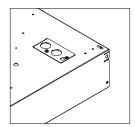


WATTSTOPPER*

A Digital Lighting Management (DLM) system that provides two-way wired communication between networked luminaires and control system to allow for on/off and dimming functionality, occupancy sensing and multi-zone daylight harvesting.

Wattstopper DLM - 1% Dimming (DLM1)
Wattstopper Model #LMFC-011

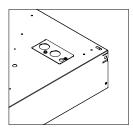
CAT-5 Cable provided by others. Serial labels will be provided on outside of luminaires and control unit.



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





A two-way digital network that enables on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting. Communicates with Zūm wireless and SpaceBuilder working with Zūm hub scheduling or FUSION management.

0-10V - 1% Dimming (L11)

Note: 0-10V is not a digital network but is compatible with Creston Zūm™ system.

CONNECTED SOLUTIONS DETAILS

Connected Solution	Model #	Protocol	Compatible Networks*	Occupancy	Daylight	Temperature Reporting	Communication to Luminaire	Drivers
Crestron (L11)	Specified Driver	DALI 0-10V	Crestron Zūm Wireless & SpaceBuilder	Enabled	Enabled	No	Wired	Advance by Signify (0-10V)
Enlighted Smart Sensor (ENL1)	SU-5E-IOT**	Enlighted RF	Enlighted	Integrated	Integrated	Yes	Wireless	Advance by Signify
Legrand Wattstopper DLM (DLM1)	LMFC-011**	DLM	DLM	Enabled	Enabled	No	Wired	Advance by Signify, Optotronic by eldoLED
Lutron EcoSystem (LH1)	LDE1**	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	Enabled	No	Wired	Lutron Hi-Lume
Encelium CLM Connected Lighting Module (CLM1)	ZBHA-CLM- DIM-ENC*	ZigBee	Encelium X Light Management System	Enabled	Enabled	No	Wireless	Optotronic by eldoLED Advance by Signify

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.