

# Equation® 2 2x4

LED



- RL**
- N**
- TW**
- PoE**
- BA**



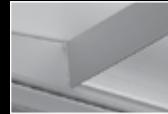
opal acrylic lens



MicroGlow lens

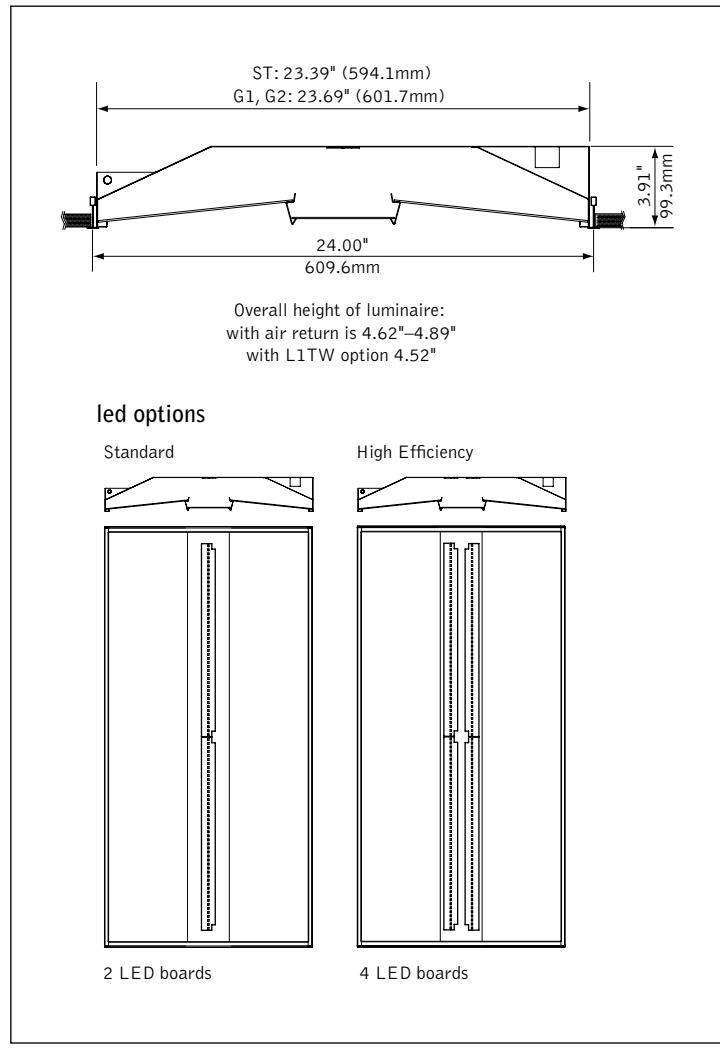


suspended or surface mount



air return

## DIMENSIONAL DATA



## FEATURES

Equation® 2 blends sleek aesthetics with uniform diffuse illumination.

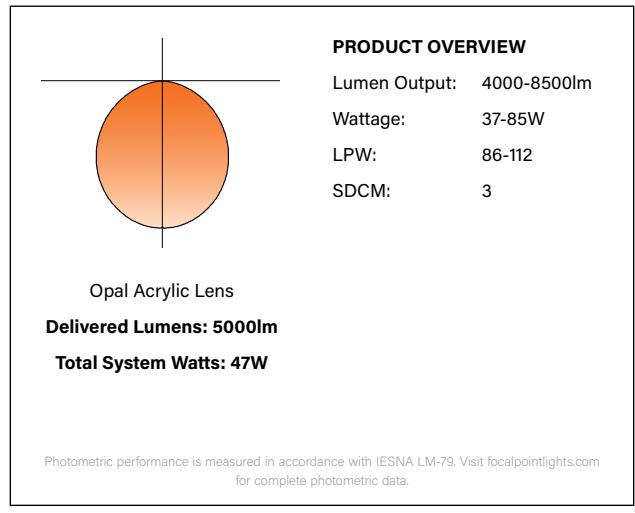
Center diffuser features MicroGlow prismatic lens for brightness control and visual comfort. Opal acrylic center lens may also be specified.

Tunable White: Supports human activity, well-being, and preferences with a light quality that evolves throughout the day.

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

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

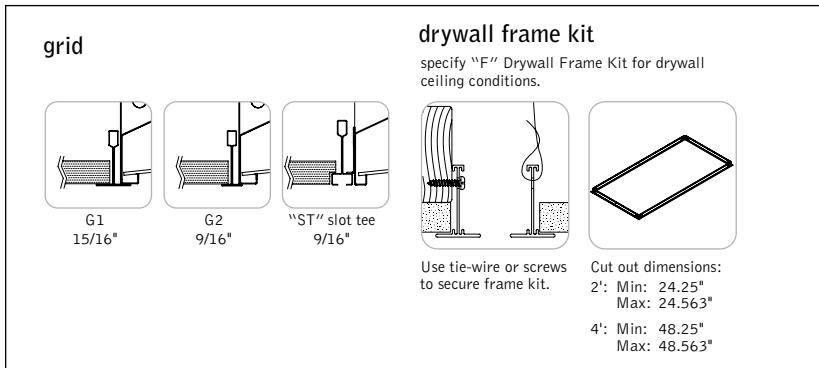
## PERFORMANCE



fixture:

project:

## MOUNTING INFORMATION



## STANDARD WHITE PERFORMANCE CHART

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

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

## STANDARD WHITE

## Luminaire Series

Equation 2

FEQ2

Nominal Size

2' x 4'

24

\_\_\_\_\_

Shielding

Opal Acrylic Lens

AC

MG

\_\_\_\_\_

Lumen Output

4000 Lumens

4500 Lumens

5000 Lumens

5500 Lumens

4000L

4500L

5000L

5500L

4000LH

4500LH

5000LH

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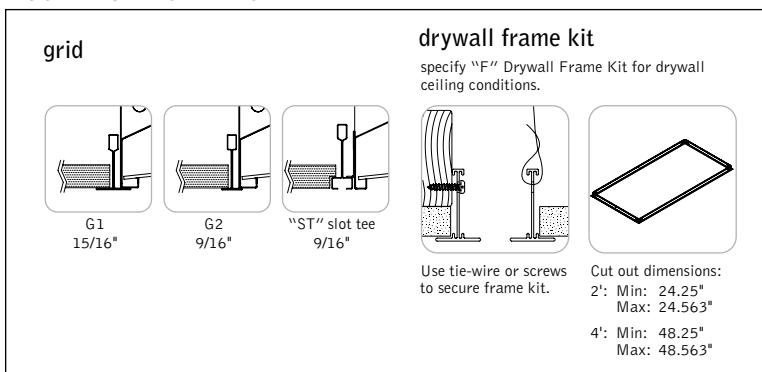
5000LH

5500LH

6000LH

6500LH

## MOUNTING INFORMATION



## TUNABLE WHITE PERFORMANCE CHART

Lumen Output		Delivered Lumens	Tested System Watts	LPW
4000	4000L	3998	41	98
	4000LH	4002	40	101
4500	4500L	4497	46	98
	4500LH	4510	45	101
5000	5000L	5011	51	98
	5000LH	5015	50	101
5500	5500L	5517	61	91
	5500LH	5517	59	94
6000	6000LH	6061	64	95
6500	6500LH	6512	67	98
7000	7000LH	7006	71	98
7500	7500LH	7519	77	98
8000	8000LH	8006	82	98
8500	8500LH	8512	86	99

Based on 2700K, 80 CRI, Opal Acrylic Lens. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

## Lumen Multipliers

CRI	Multiplier
80+	1.00
90+	0.89

## Wattage Multipliers

CCT	Multiplier
2700K	1.00
3000K	0.92
3500K	0.88
4000K	0.86
5000K	0.85
5700K	0.87
6500K	0.90

## Shielding Multiplier

Shielding	Multiplier
AC	1.00
MG	0.94



## TUNABLE WHITE

## Luminaire Series

Equation 2 FEQ2

Nominal Size 2' x 4' 24

## Shielding

Opal Acrylic Lens AC  
MicroGlow Prismatic Lens MG

## Lumen Output

Standard Output	4000 Lumens	4000L
	4500 Lumens	4500L
	5000 Lumens	5000L
	5500 Lumens	5500L

High Efficiency	4000 Lumens	4000LH
	4500 Lumens	4500LH
	5000 Lumens	5000LH
	5500 Lumens	5500LH
	6000 Lumens	6000LH
	6500 Lumens	6500LH
	7000 Lumens	7000LH
	7500 Lumens	7500LH
	8000 Lumens	8000LH
	8500 Lumens	8500LH

## Color Temperature

Tunable White: 2700-6500K, 80+ CRI  
Tunable White: 2700-6500K, 90+ CRI

1C

## Circuit

Single Circuit

UNV

## Voltage

UNV 120/277 Volt

UNV

## Control System &amp; Dimming Level

0-10V - 1% Dimming

(Not available with surface or cable mount  
Overall luminaire height increases to 4.52")

DALI - 1% Dimming

(Default driver offers DT6 control. It requires two  
addresses, one for intensity & one for CCT tuning.  
Consult factory for DT8. Extended lead time applies.)

## Mounting

24" Aircraft Cable (Not available with L1TW)

C24

48" Aircraft Cable (Not available with L1TW)

C48

96" Aircraft Cable (Not available with L1TW)

C96

## Drywall Frame Kit

(Cut out dimensions: Min: 24.25"/Max: 24.563"

Min: 48.25"/Max: 48.563")

F

15/16" Grid

G1

9/16" Grid

G2

Slot Tee

ST

Surface Mount (Not available with L1TW)

SM

## Factory Options

Air Return

(Overall height with Air Return is 4.62"-4.89")

Chicago Plenum

(Not available with flex whip)

Emergency Battery

with Integral Test Switch

6' New York City Flex Whip (120V)

FNY1

6' New York City Flex Whip (277V)

FNY2

6' Flex Whip

FW

## Finish

Matte Satin White

WH

## 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, 4000K or Tunable White (2700K-6500K), 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.

### Optic

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 (DLM1, LMFS1, LMFSD, LAW1, LAWS, CLM1, NXE1, WLXP) 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

L80 at >61,000 hours

Calculated: L70 at 190,000 hours

L80 at 115,000 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.

# Declare.™

## Equation® 2 Focal Point, LLC

Final Assembly: Chicago, Illinois, USA

Life Expectancy: 10 Year(s)

End of Life Options: Recyclable (55%), Landfill (45%)

### Ingredients:

UNS G1008; Polymethyl methacrylate; Steel, carbon; Small Electrical Components - RoHS Compliant<sup>1</sup>; Copper; Steel; Polyvinyl chloride; Poly[imino(1,6-dioxo-1,6-hexanediy)imino-1,6-hexanediy]; Methyl methacrylate; Benzene, ethenyl-, homopolymer, brominated; Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE); Steel manufacture, chemicals

<sup>1</sup>LBC Temp Exception RL-002 - Small Electrical Components

### Living Building Challenge Criteria:

#### I-13 Red List:

LBC Red List Free

% Disclosed: 100% at 100ppm

LBC Red List Approved

VOC Content: Not Applicable

Declared

**I-10 Interior Performance:** Not Applicable

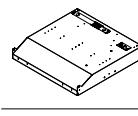
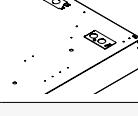
**I-14 Responsible Sourcing:** Not Applicable

FPL-0004  
EXP. 01 JAN 2026  
Original Issue Date: 2024



# Equation® 2 2x4 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.<sup>†</sup>

Connected Solution	Ordering Code	Model #*	Protocol	Compatible Networks*	Occupancy & Daylight	Temperature Reporting	Communication to Luminaire	Drivers	
 	DLM1	LMFC-011	DLM	DLM	Enabled <sup>1</sup>	No	Wired	<b>Advance by Signify</b> , Optotronic by eldoLED	
	LMFS1	LMFS-601 & LMFI-111	DLM Wireless	DLM	Integrated <sup>2</sup>	No	Wireless		
	LMFSD	LMFS-601							
	WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Integrated <sup>2</sup>	No	Wireless (WaveLinx Pro Wireless Area Controller)	<b>Advance by Signify</b>	
	L11	Specified Driver	0-10V	Creston Züm Wireless & SpaceBuilder	Enabled <sup>1</sup>	No	Wired	<b>Advance by Signify</b>	
	CLM1	ZBHA-CLM-DIM-ENC	ZigBee	Encelium X Light Management System	Enabled <sup>1</sup>	No	Wireless	Optotronic by eldoLED <b>Advance by Signify</b>	
	LAW1	A-WN-D01-RF-WH	0-10V DALI <sup>4</sup>	Athena Wireless	Enabled <sup>1</sup>	No	Wireless	<b>Advance by Signify</b>	
	LAWS	A-WN-D01-OCC-WH	0-10V DALI <sup>4</sup>	Athena Wireless	Integrated <sup>2</sup>	No	Wireless	<b>Advance by Signify</b>	
	LH1	LDE1	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled <sup>1</sup>	No	Wired	<b>Lutron Hi-Lume</b>	
	NXE1	NXFM-LV	NX	NX Distributed Intelligence	Enabled <sup>1</sup>	No	Wired	Optotronic by eldoLED	
									

\*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. <sup>†</sup>Controls supplied by others. <sup>1</sup>Enabled: Fixture supplied with a Node/Controller. Sensor to be provided by others. <sup>2</sup>Integrated: Fixture supplied with an installed Sensor. <sup>3</sup>0-10V standard with Lutron Athena options, consult factory for DALI.