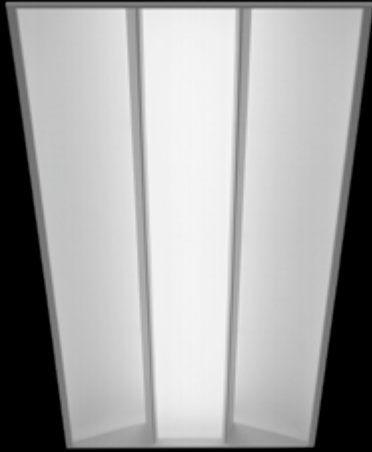


# Equation<sup>®</sup> 2 1x4

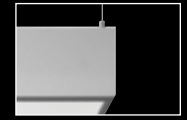
LED



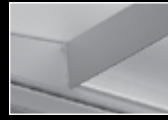
opal acrylic lens



MicroGlow lens



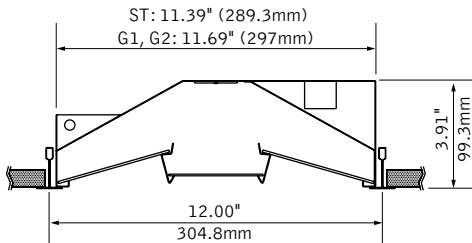
suspended or surface mount



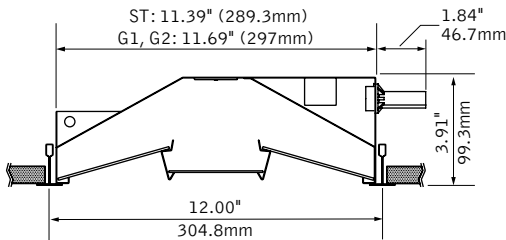
air return

## DIMENSIONAL DATA

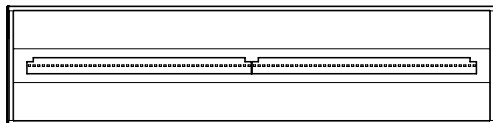
2000 - 5000 Lumens



5500 - 6500 Lumens  
thermal protector required



Overall height of luminaire:  
with air return is 4.62"– 4.89"  
with L1TW option 4.52"



2 LED boards

## FEATURES

Equation<sup>®</sup> 2 blends sleek aesthetics with uniform diffuse illumination.

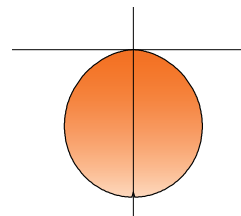
Center diffuser features MicroGlow prismatic lens for brightness control and visual comfort. Opal acrylic center lens may also be specified.

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



Opal Acrylic Lens

**Delivered Lumens: 3500lm**

**Total System Watts: 37W**

### PRODUCT OVERVIEW

Lumen Output: 2000-6500lm

Wattage: 19-68W

LPW: 89-109

SDCM: 3

Photometric performance is measured in accordance with IESNA LM-79. Visit [focalpointlights.com](http://focalpointlights.com) for complete photometric data.

fixture:

project:

### MOUNTING INFORMATION

**grid**

G1  
15/16"

G2  
9/16"

"ST" slot tee  
9/16"

**drywall frame kit**  
Specify "F" Drywall Frame Kit for drywall ceiling conditions.

Use tie-wire or screws to secure frame kit.

Cut out dimensions:  
1': Min: 12.25"  
Max: 12.563"  
4': Min: 48.25"  
Max: 48.563"

### STANDARD WHITE PERFORMANCE CHART

Lumen Output	Tested System Watts	LPW	Lumen Output	Tested System Watts	LPW
2000	17	113	4500	41	107
2500	22	111	5000	46	107
3000	27	110	5500	60	92
3500	32	109	6000	67	89
4000	36	108	6500	76	86

Based on 3500K, 80 CRI, Opal Acrylic Lens. Lumen multipliers: 90+ CRI = 0.87, MicroGlow Prismatic Lens = 0.95. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

### STANDARD WHITE

#### Luminaire Series

Equation 2 FEQ2

#### Nominal Size

1' x 4' 14

#### Shielding

Opal Acrylic Lens AC

MicroGlow Prismatic Lens MG

#### Lumen Output

2000 Lumens 2000L

2500 Lumens 2500L

3000 Lumens 3000L

3500 Lumens 3500L

4000 Lumens 4000L

4500 Lumens 4500L

5000 Lumens 5000L

5500 Lumens\* 5500L

6000 Lumens\* 6000L

6500 Lumens\* 6500L

(\*Grid, Slot Tee Only)

#### Color Temperature

2700K, 80+ CRI or 90+ CRI 27K or 927K

3000K, 80+ CRI or 90+ CRI 30K or 930K

3500K, 80+ CRI or 90+ CRI 35K or 935K

4000K, 80+ CRI or 90+ CRI 40K or 940K

#### Circuit

Single Circuit 1C

#### Voltage

UNV 120/277 Volt UNV

(5000 Lumens max.)

120 Volt 120

277 Volt 277

347 Volt 347

(Transformer required for all drivers except LD1 and WSPC. Not available with EM.)

Low Voltage LV

#### Control System & Dimming Level

0-10V - 10% Dimming LD1  
(Not Right Light as standard, consult factory)

0-10V - 1% Dimming L11

Low Voltage, PoE compatible LVN  
(No driver. Not available with EM. LV Voltage only)

Lutron Hi-Lume EcoSystem (LDE1) - LH1

1% Dimming

DALI - 1% Dimming D11

Step Dimming SD5

Wattstopper PLUS: WSPC

Connected Light Module (0-10V standard. Consult factory for DALI)

Wattstopper PLUS: WSPS

SensiLUM Wireless Sensor (0-10V standard. Consult factory for DALI)

Lutron Athena Wireless Node (0-10V standard. Consult factory for DALI)

Lutron Athena Wireless Sensor (0-10V standard. Consult factory for DALI)

Acuity nLight - 1% Dimming NLT1  
(Not available with CP)

Current NX Enabled - 1% Dimming NXE1  
(Not available with CP)

WaveLinX Pro - 1% Dimming WLXP

#### Mounting

24" Aircraft Cable† C24

48" Aircraft Cable† C48

96" Aircraft Cable† C96

Drywall Frame Kit F

(Not available with WSPC, NLT1 or NXE1)  
(Cut out dimensions: Min: 12.25"/Max: 12.563"

Min: 48.25"/Max: 48.563")

15/16" Grid G1

9/16" Grid G2

Slot Tee ST

Surface Mount SM

(Not available with WSPC, NLT1 or NXE1. Consult factory for LAW1.)

#### Factory Options

Air Return AR

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

Chicago Plenum CP

(Not available with flex whip)

Emergency Battery EM

with Integral Test Switch (Cannot combine with 347V)

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

†Aircraft cable mounting not available with Flex Whip options.

**MOUNTING INFORMATION**

**grid**

G1  
15/16"

G2  
9/16"

"ST" slot tee  
9/16"

**drywall frame kit**

Specify "F" Drywall Frame Kit for drywall ceiling conditions.

Use tie-wire or screws to secure frame kit.

Cut out dimensions:  
1': Min: 12.25"  
Max: 12.563"  
4': Min: 48.25"  
Max: 48.563"

**TUNABLE WHITE PERFORMANCE CHART**

Lumen Output	Delivered Lumens	Tested System Watts	LPW
2000L	2001	24	82
2500L	2508	30	83
3000L	3009	35	87
3500L	3503	40	87
4000L	4010	46	87
4500L	4508	52	88
5000L	4999	62	81
5500L	5500	69	80
6000L	6011	75	80
6500L	6478	82	79

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

Shielding	Multiplier
AC	1.00
MG	0.94

**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



**TUNABLE WHITE  
Luminaire Series**

Equation 2	FEQ2
<b>Nominal Size</b>	<b>14</b>
1' x 4'	14
<b>Shielding</b>	
Opal Acrylic Lens	AC
MicroGlow Prismatic Lens	MG
<b>Lumen Output</b>	
2000 Lumens	2000L
2500 Lumens	2500L
3000 Lumens	3000L
3500 Lumens	3500L
4000 Lumens	4000L
4500 Lumens	4500L
5000 Lumens	5000L
5500 Lumens*	5500L
6000 Lumens*	6000L
6500 Lumens*	6500L

(\*Grid, Slot Tee Only)

**Color Temperature**

Tunable White: 2700-6500K, 80+ CRI	2765T
Tunable White: 2700-6500K, 90+ CRI	92765T

**Circuit**

Single Circuit	1C
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**Voltage**

UNV 120/277 Volt (5000 Lumens max.)	UNV
120 Volt	120
277 Volt	277

**Control System & Dimming Level**

0-10V - 1% Dimming (Not available with surface or cable mount. Overall luminaire height increases to 4.52")	L1TW
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.)	D1TW

**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: 12.25"/Max: 12.563"  
Min: 48.25"/Max: 48.563")

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")	AR
Chicago Plenum (Not available with flex whip)	CP
Emergency Battery with Integral Test Switch	EM
6' New York City Flex Whip (120V)†	FNY1
6' New York City Flex Whip (277V)†	FNY2
6' Flex Whip†	FW
<b>Finish</b>	<b>WH</b>
Matte Satin White	WH

†Aircraft cable mounting not available with Flex Whip options.

## 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: 19.4 lbs. Surface-mount/suspended weight: 24.2 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 DALI, 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 (WSPC, WSPS, LAW1, LAWS, NLT1, 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	Calculated: L70 at 480,000 hours
	L80 at >61,000 hours	L80 at 285,000 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 G10080 Steel Alloy; Polymethyl methacrylate; Small Electrical Components - RoHS Compliant<sup>1</sup>; Copper; **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:**

<input type="checkbox"/> LBC Red List Free	% Disclosed: 100% at 100ppm
<input type="checkbox"/> LBC Red List Approved	VOC Content: Not Applicable
<input checked="" type="checkbox"/> Declared	

**I-10 Interior Performance:** Not Applicable  
**I-14 Responsible Sourcing:** Not Applicable

FPL-0004  
EXP. 01 FEB 2027  
Original Issue Date: 2024

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY  
INTERNATIONAL LIVING FUTURE INSTITUTE™ [living-future.org/declare](http://living-future.org/declare)

Focal Point provides broad flexibility through compatibility with a wide range of indoor lighting control systems. A variety of sensors, nodes, controllers, and drivers can be specified to scale the system and meet the needs of each application across both wired and wireless networks.

Features such as daylight harvesting, occupancy sensing, dimming, and switching help save energy, reduce costs, and enhance occupant comfort. All Connected Solutions luminaires require a compatible building control system.

Controls systems supplied by others. For performance data and additional control system details, please visit the connected solutions manufacturers websites.

Connected Solution	Ordering Code	Model #	Protocol	Compatible Networks (Not all compatible networks may be listed.)	Description	Occupancy & Daylight	Communication to Luminaire	Drivers (Primary drivers are listed in <b>bold</b> . To specify a particular driver please consult factory.)	Driver Type
<b>WATTSTOPPER<sup>®</sup></b>									
	WSPC	EN-ZBHA-CLM-DIM	ZigBee	Wattstopper PLUS	Node	Enabled†	Wireless	<b>Advance by Signify</b>	0-10V standard, consult factory for DALI
	WSPS	EN-CLM-PIR-DD-ZB	ZigBee	Wattstopper PLUS	Sensor	Integrated*	Wireless	<b>Advance by Signify</b>	0-10V standard, consult factory for DALI
	WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Sensor	Integrated†	Wireless (WaveLinx Pro Wireless Area Controller)	<b>Advance by Signify</b>	<b>0-10V</b>
	NXE1	NXFM2-LV	NX	NX Distributed Intelligence	Controller	Enabled†	Wired	<b>Optotronic by eldoLED</b>	0-10V
	LAW1	A-WN-D01-RF-WH	Clear Connect	Athena Wireless	Node	Enabled†	Wireless	<b>Advance by Signify</b>	0-10V standard, consult factory for DALI
	LAWS	A-WN-D01-OCC-WH	Clear Connect	Athena Wireless	Sensor	Integrated*	Wireless	<b>Advance by Signify</b>	0-10V standard, consult factory for DALI
	NLT1	nEPS-60-IO	nLight	nLight	Controller	Enabled†	Wired	<b>eldoLED ECOdrive, eldoLED SOLOdrive</b>	0-10V

†Enabled: Luminaire supplied with a node/controller. Sensor to be provided by others.

\*Integrated: Luminaire supplied with an installed sensor.