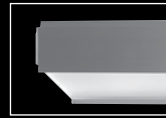
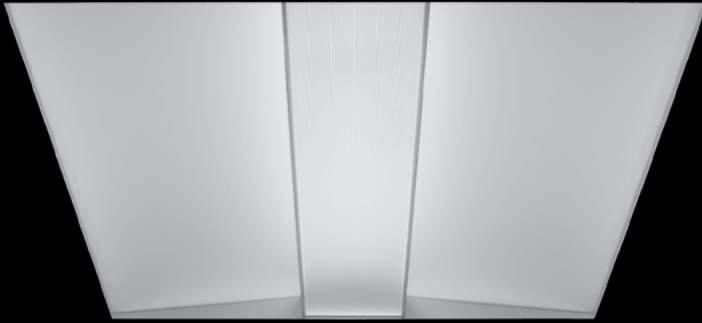
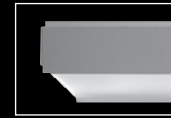


# Equation™ 2x2

LED



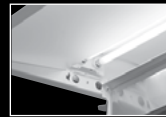
natural anodized side rails



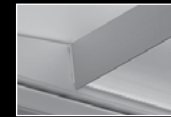
white painted side rails



suspended or surface mount



QuickLatch™

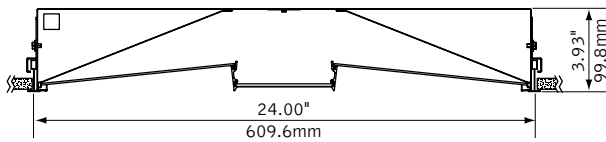


air return



enlightened sensor

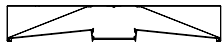
## DIMENSIONAL DATA



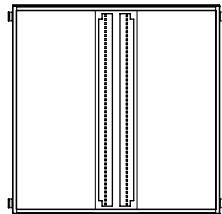
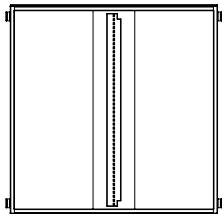
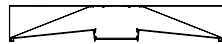
Overall height for luminaire with Air Return is 4.62"–4.89"

### led options

Standard



High Efficiency



## FEATURES

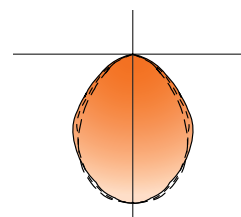
Equation LED blends sleek aesthetics with uniform diffuse illumination.

Best in class brightness control and visual comfort enabled by a layered diffuser system designed specifically for Equation LED. Featuring MicroGlow™ lens technology, precision molded conical prisms and a smoothing filter diffuse pixels and enhance LED performance.

Premium LEDs operate efficiently on a robust module platform to achieve excellent thermal management and reliable operation.

QuickLatch™ hinged diffuser system provides easy access to replaceable LED modules.

## PERFORMANCE



### PRODUCT OVERVIEW

Lumen Output:	2000-4000lm
Wattage:	24-49W
LPW:	73-89
SDCM:	3
Lumen Maintenance:	L90 @ 78,000hrs

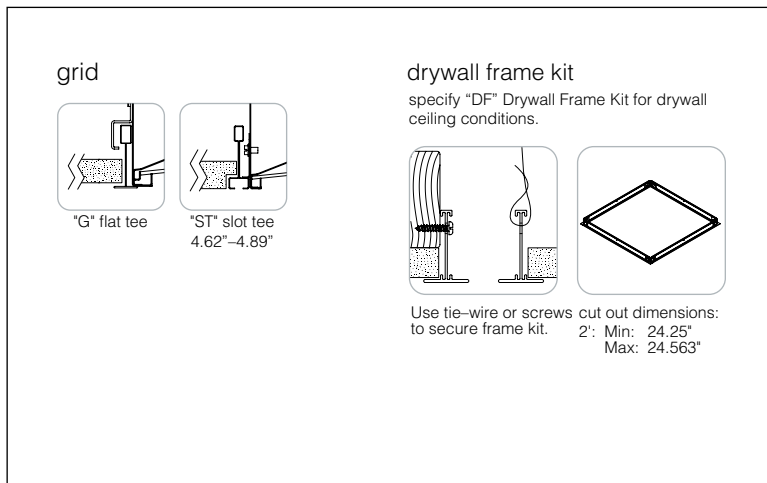
High Performance white painted side rails  
2500 Lumens (2500LH)

**Delivered Lumens: 2500lm**

**Total System Watts: 28W**

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

**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 3000K, 3000K or 4000K with CRI>80, 3 SDCM. 0-10V dimming driver standard. LED modules and drivers are replaceable from below.

**Construction**

One piece 20 Ga. Steel reflector and housing. 20 Ga. Steel ends. Bottom access 20 Ga. Steel driver compartment. Positional brackets supplied as standard. Weight: 17 lbs.

**Optic**

20 Ga. Steel reflectors finished in matte satin white powder coat. .080" thick frosted white acrylic diffusers. Layered diffuser system includes .125" thick MicroGlow™ miniature prism acrylic lens and .005" thick smoothing filter retained with side rails available in natural anodized aluminum or Matte Satin White.

**Electrical**

Standard 120-277V driver includes 0-10V analog dimming. Power factor > .9. Optional EcoSystem™ or forward phase dimming drivers from Lutron available.

**Emergency Battery**

Bodine BSL310-CAN. Emergency output—10 watts for 90 minutes.

**Labels**

UL and cUL listed. Suitable for Dry or Damp Locations, indoor use only.

**Finish**

Polyester powder coat applied over a 5-stage pre-treatment.

**Lumen Maintenance**

Calculated: L90 at 78,000 hours      Reported: L70 at >60,000 hours  
Derived from EPA TM-21 calculator

**Warranty**

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

**PERFORMANCE CHART**

Delivered Lumens		Tested System Watts	LPW
2000 Lumens	2000L	24	83
	2500L	32	78
2500 Lumens	2500LH	28	89
	3000L	41	73
3000 Lumens	3000LH	34	88
	3500L	41	85
4000 Lumens	4000LH	49	82

\*Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%

**ORDERING**

Luminaire Series	FEQL
Equation LED	FEQL
<b>Nominal Size</b>	<b>22</b>
2' x 2'	22
<b>Shielding</b>	
Natural Anodized Side Rails	AL
White Painted Side Rails	WP
<b>Lumen Output</b>	
Standard	
2000 Lumens	2000L
2500 Lumens	2500L
3000 Lumens	3000L
High Efficiency	
2500 Lumens	2500LH
3000 Lumens	3000LH
3500 Lumens	3500LH
4000 Lumens	4000LH
<b>Color Temperature</b>	
3000K	30K
3500K	35K
4000K	40K
<b>Circuit</b>	<b>1C</b>
Single Circuit	1C
<b>Voltage</b>	
120 Volt	120
277 Volt	277
UNV Volt	UNV
(Cannot be specified with EM option)	
<b>Driver</b>	
0-10V - 1% Dimming	L11
0-10V - 10% Dimming	LD1
Lutron A-Series	L3D
1% EcoSystem Digital	
4000LH: (2) drivers supplied,	
(2) EcoSystem addresses consumed	
(Consult factory for 3-wire control)	
Lutron A-Series - Forward Phase	LTE
(120 only)	
4000LH: (2) drivers,	
(2) loads consumed	
Step Dimming	SD5
DALI Dimming	
(Consult factory)	
<b>Mounting</b>	
24" Aircraft Cable	C24
48" Aircraft Cable	C48
96" Aircraft Cable	C96
Drywall Frame Kit	F
(Cut out dimensions: Min: 24.25"/Max: 24.563")	
Grid	G
Slot Tee	ST
Surface Mount	SM
<b>Factory Options</b>	
Air Return	AR
(Overall height with Air Return is 4.62"-4.89")	
Chicago Plenum	CP
Emergency Battery Pack with Integral Test Switch	EM
6' New York City Flex Whip	FNY
6' Flex Whip	FW
Enlighted Sensor	EN1
(0-10V Drivers - L11 & LD1 only)	
(Consult factory for additional sensor availability)	
<b>Finish</b>	<b>WH</b>
Matte Satin White	WH

# Equation™ 2x2

LED WITH WHITE PAINTED SIDE RAILS

FEQL-22-WP-2500LH-35K-L11-120-WH

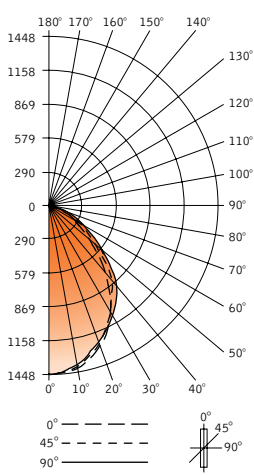
Filename: FEQL22WP2500LH35K.IES

Lumens: 2669lm

System Watts: 28W

LPW: 95

## CANDELPWER DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	22.5°	45°	67.5°	90°
0°	1438	1438	1438	1438	1438
5°	1439	1425	1418	1415	1412
15°	1350	1323	1285	1256	1245
25°	1128	1100	1048	1017	1017
35°	837	828	823	832	840
45°	541	554	605	641	646
55°	314	323	369	416	434
65°	199	204	228	252	255
75°	110	104	111	118	117
85°	29	25	24	22	22
90°	0	0	0	0	0
95°	0	0	0	0	0
105°	0	0	0	0	0
115°	0	0	0	0	0
125°	0	0	0	0	0
135°	0	0	0	0	0
145°	0	0	0	0	0
155°	0	0	0	0	0
165°	0	0	0	0	0
175°	0	0	0	0	0
180°	0	0	0	0	0

## LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30°	983	36.8
0-40°	1503	56.3
0-60°	2294	86.0
0-90°	2669	100.0
<b>Total Luminaire 0-180°</b>	<b>2669</b>	<b>100.0</b>

## LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	2304	2573	2751
55°	1649	1937	2277
65°	1414	1621	1814
75°	1281	1287	1353
85°	990	819	757

Go to [www.focalpointlights.com](http://www.focalpointlights.com) for additional photometric data.