

Equation™ 2x2

LED



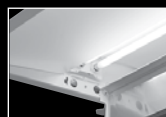
natural anodized
side rails



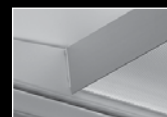
white painted
side rails



suspended or
surface mount



QuickLatch™

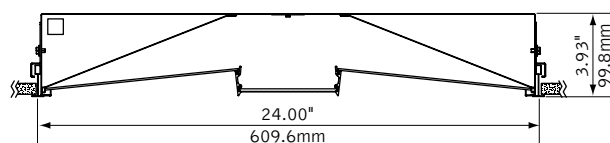


air return



enlightened sensor

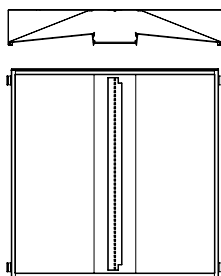
DIMENSIONAL DATA



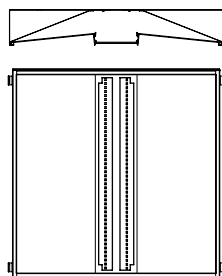
Overall height for luminaire with Air Return is 4.62"–4.89"

led options

Standard



High Efficiency



FEATURES

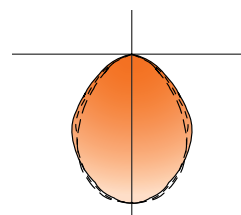
Equation LED blends sleek aesthetics with uniform diffuse illumination.

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

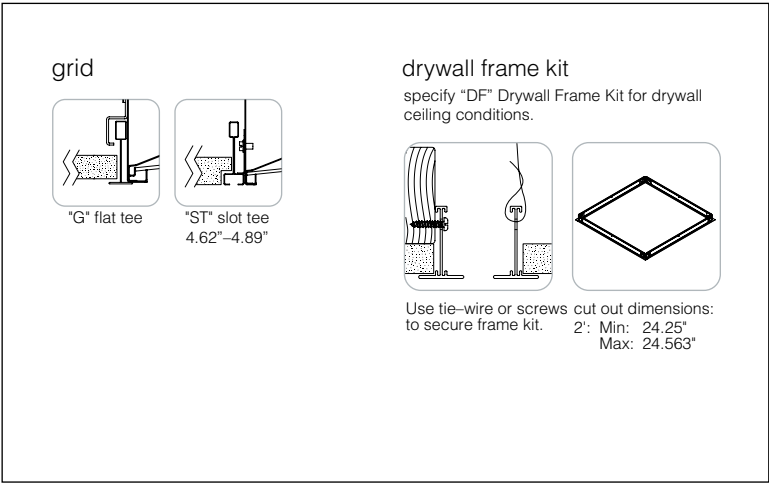
High Performance
white painted side rails
2500 Lumens (2500LH)

Delivered Lumens: 2500lm

Total System Watts: 28W

Photometric performance is measured in accordance with IESNA LM-79. Visit focalpointlights.com for complete photometric data. Visit 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
	3500LH	41	85
4000 Lumens	4000LH	49	82

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

ORDERING

Luminaire Series		FEQL
Equation LED		FEQL
Nominal Size		22
2' x 2'		22
Shielding		
Natural Anodized Side Rails		AL
White Painted Side Rails		WP
Lumen Output		
Standard		
2000 Lumens		2000L
2500 Lumens		2500L
3000 Lumens		3000L
High Efficiency		
2500 Lumens		2500LH
3000 Lumens		3000LH
3500 Lumens		3500LH
4000 Lumens		4000LH
Color Temperature		
3000K		30K
3500K		35K
4000K		40K
Circuit		1C
Single Circuit		1C
Voltage		
120 Volt		120
277 Volt		277
UNV Volt		UNV
(Cannot be specified with EM option)		
Driver		
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)		
Mounting		
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
Factory Options		
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
(Sensor options available – consult factory)		
Finish		WH
Matte Satin White		WH

Equation™ 2x2

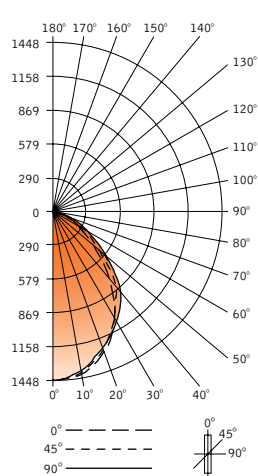
LED WITH WHITE PAINTED SIDE RAILS

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

Filename: FEQL22WP2500LH35K.IES

Lumens: 2669lm
System Watts: 28W
LPW: 95

CANDELPower 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
Total Luminaire 0-180°	2669	100.0

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 for additional photometric data.