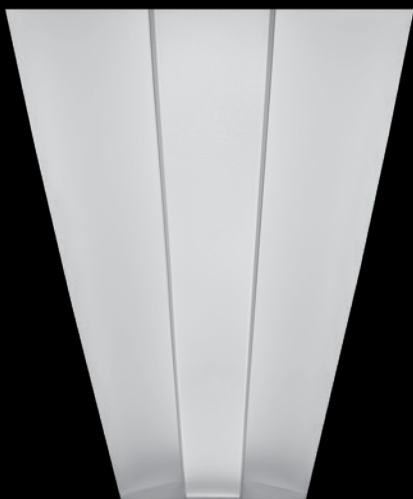


Equation™ 1x4

LED



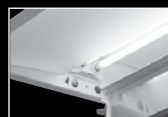
natural anodized
side rails



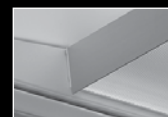
white painted
side rails



suspended or
surface mount

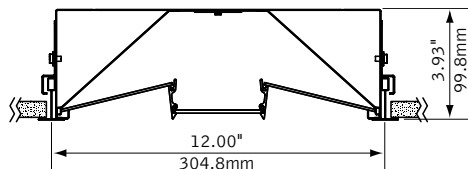


QuickLatch™

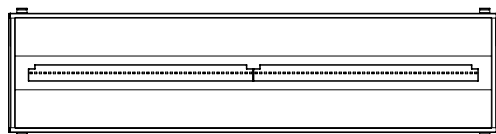


air return

DIMENSIONAL DATA



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



FEATURES

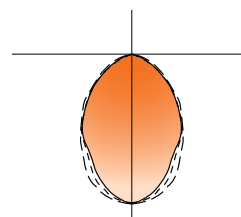
Equation LED blends sleek aesthetics with uniform diffuse illumination.

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

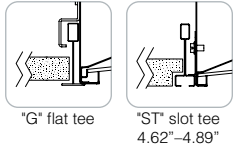
Lumen Output:	2500-4000lm
Wattage:	29-50W
LPW:	80-86
SDCM:	3
Lumen Maintenance:	L90 @ 78,000hrs

White painted side rails
Delivered Lumens: 3000lm
Total System Watts: 35W

Photometric performance is measured in accordance with IESNA LM-79.
Visit focalpointlights.com for complete photometric data.

MOUNTING INFORMATION

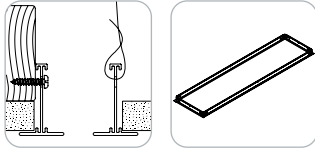
grid



"G" flat tee
"ST" slot tee
4.62"–4.89"

drywall frame kit

specify "DF" Drywall Frame Kit for drywall ceiling conditions.



Use tie-wire or screws cut out dimensions: to secure frame kit.

1': Min: 12.25"
Max: 12.563"
4': Min: 48.25"
Max: 48.563"

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, 3500K 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: 19 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
Derived from EPA TM-21 calculator

Reported: L90 at >61,000 hours

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
2500 Lumens	2500L	29	86
3000 Lumens	3000L	35	86
3500 Lumens	3500L	44	80
4000 Lumens	4000L	50	80

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

ORDERING

Luminaire Series		FEQL
Equation LED		FEQL
Nominal Size		14
1' x 4'		14
Shielding		
Natural Anodized Side Rails	AL	
White Painted Side Rails	WP	
Lumen Output		
2500 Lumens	2500L	
3000 Lumens	3000L	
3500 Lumens	3500L	
4000 Lumens	4000L	
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		
4000L: (2) drivers supplied, (2) EcoSystem addresses consumed (Consult factory for 3-wire control)		
Lutron A-Series - Forward Phase	LTE	
(120 only) 4000L: (2) drivers supplied, (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: 12.25"/Max: 12.563" Min: 48.25"/Max: 48.563")		
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	



*For more information visit focalpointlights.com/reference or consult factory. Quickship is a limited offering, visit focalpointlights.com/quickship for specifics.

Equation™ 1x4

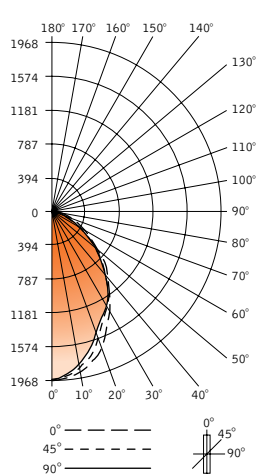
LED WITH WHITE PAINTED SIDE RAILS

FEQL-14-WP-3500L-35K-L11-120-WH

Filename: FEQL14WP3500L35K.IES

Lumens: 3903lm
System Watts: 44W
LPW: 89

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	22.5°	45°	67.5°	90°
0°	1955	1955	1955	1955	1955
5°	1957	1938	1922	1923	1916
15°	1844	1803	1741	1698	1679
25°	1596	1545	1466	1432	1424
35°	1244	1220	1211	1234	1238
45°	875	903	952	962	961
55°	558	573	605	590	568
65°	353	347	338	308	290
75°	191	174	145	126	122
85°	53	44	38	34	33
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°	1359	34.8
0-40°	2126	54.5
0-60°	3366	86.2
0-90°	3903	100.0
Total Luminaire 0-180°	3903	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	3725	4054	4093
55°	2930	3177	2979
65°	2515	2406	2066
75°	2226	1692	1422
85°	1825	1329	1130

Go to www.focalpointlights.com for additional photometric data.