

Equation™ 2x4

LED



RL



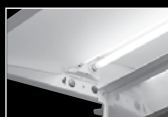
natural anodized side rails



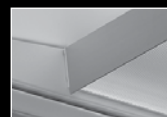
white painted side rails



suspended or surface mount

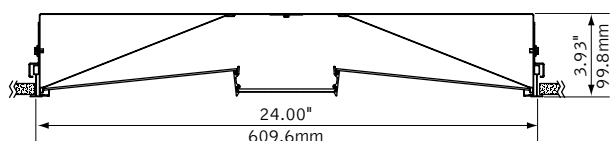


QuickLatch™



air return

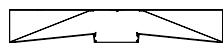
DIMENSIONAL DATA



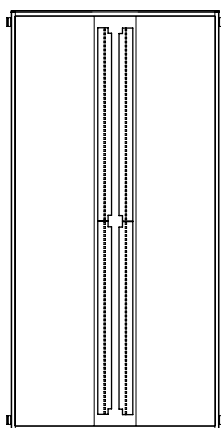
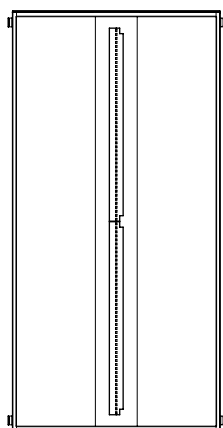
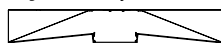
Overall height for luminaire with Air Return is 4.62"–4.89"

led options

Standard



High Efficiency



FEATURES

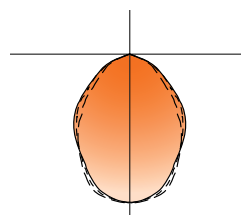
Equation LED blends sleek aesthetics with uniform diffuse illumination.

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:	4000-6000lm
Wattage:	40-67W
LPW:	82-100
SDCM:	3
Lumen Maintenance:	L70 @ 188,000hrs

High Performance
white painted side rails
4500 Lumens (4500LH)

Delivered Lumens: 4500lm

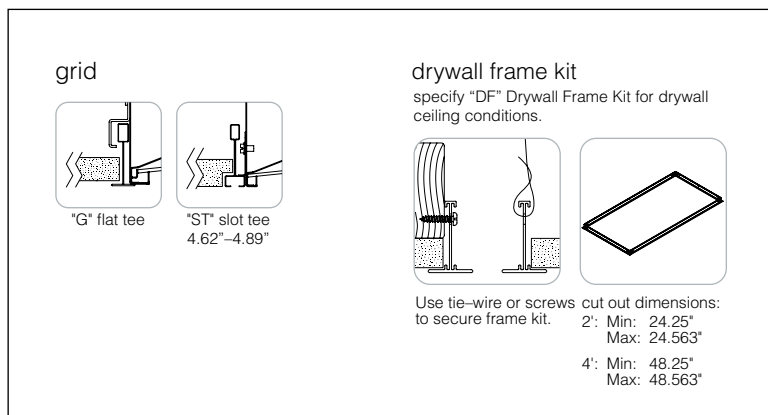
Total System Watts: 46W

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

fixture:

project:

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, 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: 29 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: L70 at 188,000 hours
Derived from EPA TM-21 calculator

Reported: L70 at >60,000 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
4000 Lumens	4000L	44	91
	4000LH	40	100
4500 Lumens	4500L	52	87
	4500LH	46	98
5000 Lumens	5000L	59	85
	5000LH	53	94
5500 Lumens	5500L	67	82
	5500LH	58	95
6000 Lumens	6000LH	64	94

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

Focal Point LLC reserves the right to change specifications for product improvement without notification.

ORDERING

Luminaire Series	FEQL
Equation LED	FEQL
Nominal Size	24
2' x 4'	24
Shielding	
Natural Anodized Side Rails	AL
White Painted Side Rails	WP
Lumen Output	
Standard	
4000 Lumens	4000L
4500 Lumens	4500L
5000 Lumens	5000L
5500 Lumens	5500L
(LD1, L3D & LTE drivers only)	
High Efficiency	
4000 Lumens	4000LH
4500 Lumens	4500LH
5000 Lumens	5000LH
5500 Lumens	5500LH
6000 Lumens	6000LH
(LD1, L3D & LTE drivers only)	
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	
(2) drivers supplied, (2) EcoSystem addresses consumed for all options except 4000LH (Consult factory for 3-wire control)	
Lutron A-Series - Forward Phase	LTE
(2) drivers supplied, (2) loads consumed for all options except 4000LH	
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" 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.

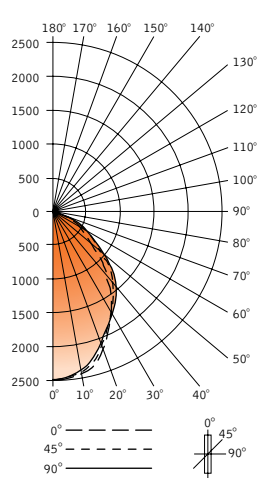
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LED WITH WHITE PAINTED SIDE RAILS

FEQL-24-WP-5000LH-35K-L11-120-WH
Filename: FEQL24WP5000LH35K.IES

Lumens: 4885lm
System Watts: 46W
LPW: 106

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	22.5°	45°	67.5°	90°
0°	2484	2484	2484	2484	2484
5°	2490	2463	2447	2449	2444
15°	2358	2304	2228	2178	2156
25°	2026	1954	1838	1772	1756
35°	1542	1501	1453	1447	1450
45°	1029	1046	1097	1136	1299
55°	620	636	835	771	791
65°	392	406	443	476	478
75°	225	219	227	233	229
85°	66	63	51	42	41
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°	1718	35.2
0-40°	2641	54.1
0-60°	4141	84.8
0-90°	4885	100.0
Total Luminaire 0-180°	4885	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	2096	2234	2644
55°	1557	2096	1987
65°	1337	1511	1628
75°	1254	1264	1275
85°	1095	845	680

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

note: Photometric testing performed in an independent lab with standard lamps and ballasts. Lamp and ballast type and configuration will affect photometric performance.