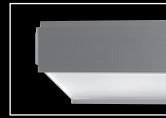
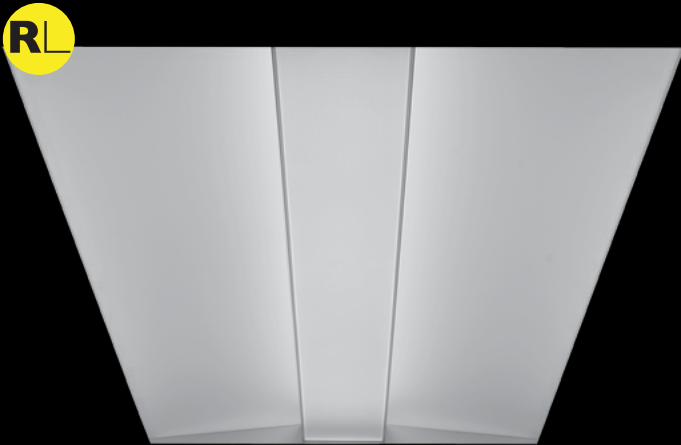
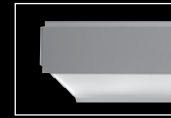


# Equation™ 2x4

LED



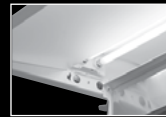
natural anodized side rails



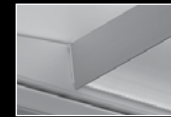
white painted side rails



suspended or surface mount



QuickLatch™

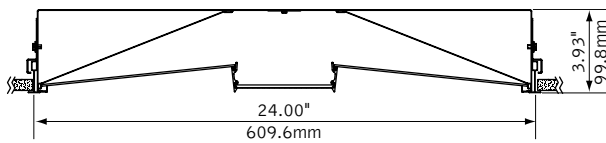


air return



enlightened sensor

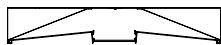
## DIMENSIONAL DATA



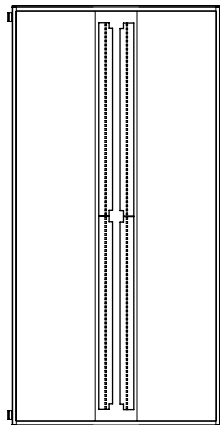
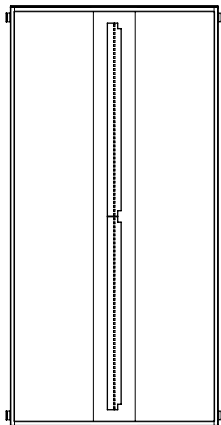
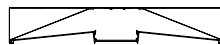
Overall height for luminaire with Air Return is 4.62"–4.89"

### led options

Standard



High Efficiency



## FEATURES

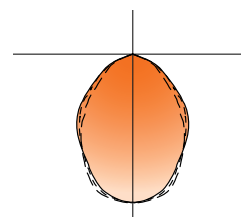
Equation LED blends sleek aesthetics with uniform diffuse illumination.

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

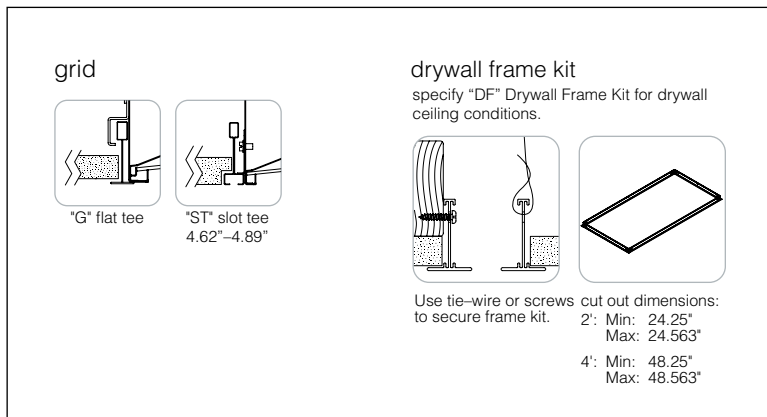
High Performance white painted side rails  
4500 Lumens (4500LH)

**Delivered Lumens: 4500lm**

**Total System Watts: 46W**

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

**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      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
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%

**ORDERING**

Luminaire Series		FEQL
Equation LED	FEQL	
<b>Nominal Size</b>		<b>24</b>
2' x 4'	24	
<b>Shielding</b>		
Natural Anodized Side Rails	AL	
White Painted Side Rails	WP	
<b>Lumen Output</b>		
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)		
<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		
(2) drivers supplied, (2) EcoSystem addresses consumed for all options except 4000LH (Consult factory for 3-wire control)		
Lutron A-Series - Forward Phase	LTE	
(120 only)		
(2) drivers supplied, (2) loads consumed for all options except 4000LH		
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" Min: 48.25"/Max: 48.563")		
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™ 2x4

LED WITH WHITE PAINTED SIDE RAILS

FEQL-24-WP-5000LH-35K-L11-120-WH

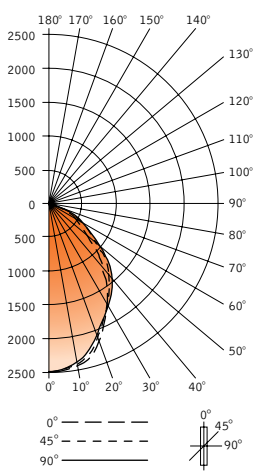
Filename: FEQL24WP5000LH35K.IES

Lumens: 4885lm

System Watts: 46W

LPW: 106

## CANDELPWER 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
<b>Total Luminaire 0-180°</b>	<b>4885</b>	<b>100.0</b>

## LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal 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](http://www.focalpointlights.com) for additional photometric data.