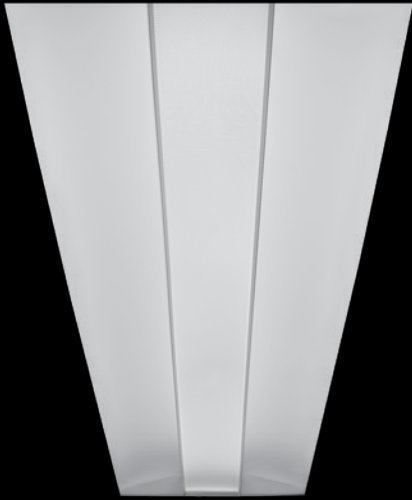
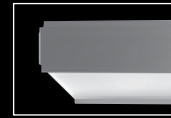


# Equation™ 1x4

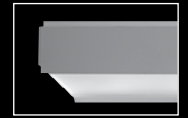
FLUORESCENT



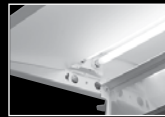
suspended or surface mount



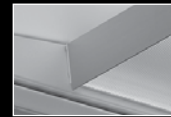
natural anodized side rails



white painted side rails

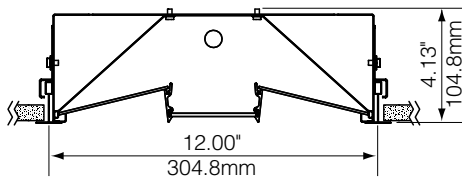


QuickLatch™



air return

## DIMENSIONAL DATA



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

### lamping options



T8 LAMPS



T5/T5HO LAMPS

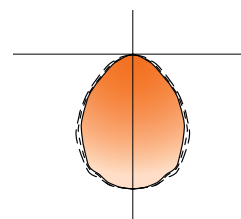
## FEATURES

Equation blends sleek aesthetics and uniform diffuse illumination while delivering high fixture efficiencies.

Center diffuser features MicroGlow™ prismatic lens technology. Precision molded conical prisms deliver 92% light transmission while controlling high angle brightness.

QuickLatch™ hinged diffuser system makes relamping easy.

## PERFORMANCE



2-Lamp T5  
White Painted Rails

**81% Efficient**

**2186 cd @ 0°**

### PRODUCT OVERVIEW

Lumen Output: 1841-6882lm

Wattage: 33-120W

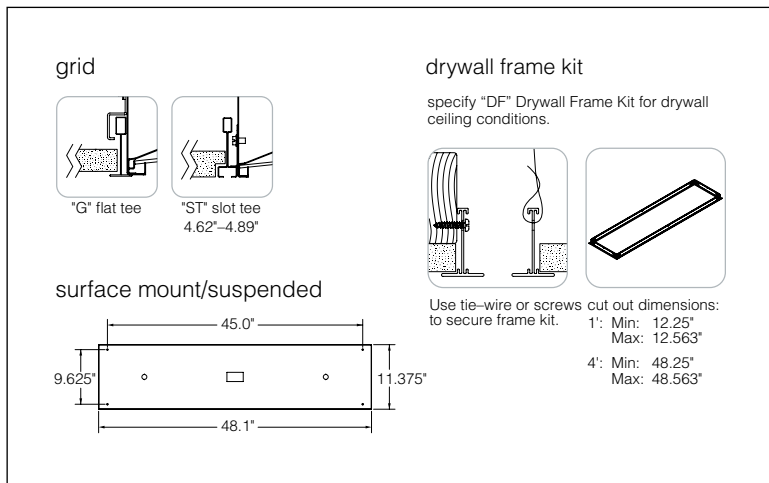
Lamping: T5, T5HO, T8

Visit [focalpointlights.com](http://focalpointlights.com) for complete photometric data.

fixture:

project:

**MOUNTING INFORMATION**



**SPECIFICATIONS**

**Construction**

One piece 20 Ga. steel reflector and housing. Bottom access 20 Ga. steel ballast 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. .125" thick MicroGlow™ miniature prism acrylic lens and .120" thick linear spread lens retained with side rails available in natural anodized aluminum or Matte Satin White.

**Electrical**

Electronic ballasts are thermally protected and have a Class "P" rating. Optional Stepped and other dimming ballasts available. Consult factory for dimming specifications and availability.

**Labels**

UL and cUL listed.

**Finish**

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

**ORDERING**

<b>Luminaire Series</b>	<b>FEQ</b>
Equation	FEQ
<b>Nominal Size</b>	<b>14</b>
1' x 4'	14
<b>Shielding</b>	
Natural Anodized Side Rails	AL
High Performance White Side Rails	WP
<b>Lamp Quantity</b>	
One Lamp	1
Two Lamps	2
<b>Lamp Type</b>	
T5	T5
T5HO	T5HO
T8	T8
<b>Circuit</b>	
Single Circuit	1C
Dual Circuit	2C
<b>Voltage</b>	
120 Volt	120
277 Volt	277
347 Volt	347
<small>(Consult factory for dimming options)</small>	
UNV Volt	UNV
<small>(Cannot be specified with 1-lamp T5HO dimming or EM option)</small>	
<b>Ballast</b>	
Electronic Program Start <10% THD	S
0-10V	D7
Lutron 1% 3-wire	DH
Lutron 1% H-Series	DK
<b>Mounting</b>	
24" Aircraft Cable	C24
48" Aircraft Cable	C48
96" Aircraft Cable	C96
Drywall Frame Kit	F
<small>(Cut out dimensions: Min: 12.25"/Max: 12.563" Min: 48.25"/Max: 48.563")</small>	
Grid	G
Slot Tee	ST
Surface Mount	SM
<b>Factory Options</b>	
Air Return	AR
<small>(Overall height with Air Return is 4.62"–4.89")</small>	
Chicago Plenum	CP
Emergency Battery Pack*	EM
HLR/GLR Fuse	FU
6' New York City Flex Whip	FNY
6' Flex Whip	FW
Include 3000K Lamp	L830
Include 3500K Lamp	L835
Include 4100K Lamp	L841
Ballast Saving Tandem*	BST
Labor Saving Master Satellite*	LS
Separate Circuit Tandem*	SCT
<small>(Sensor options available—consult factory)</small>	
<b>Finish</b>	<b>WH</b>
Matte Satin White	WH



# Equation™ 1x4

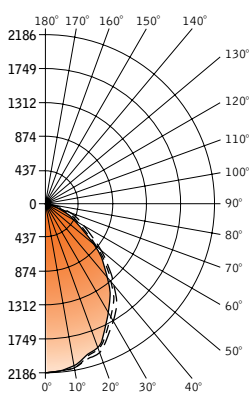
FLUORESCENT - HIGH PERFORMANCE WHITE SIDE RAILS

## FEQ-14-B-2T5-S-120-G1-WP-WH

Filename: FEQ142T5WP.IES  
Test #: 16558.0

Lumens: 4674lm  
Efficiency: 81%

### CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	2186	2186	2186	2186	2186	
5°	2176	217	2169	166	2166	207
15°	2075	2071	2052	2033	2029	582
25°	1893	1874	1938	1817	1809	854
35°	1600	1566	1534	1487	1458	961
45°	1155	1142	1104	1050	1038	850
55°	734	701	673	627	595	598
65°	470	428	388	349	333	389
75°	233	200	162	143	139	183
85°	64	52	45	39	39	51
90°	0	0	0	0	0	
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0

### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	1643	28.3	35.1
0-40°	603	44.9	55.7
0-60°	4052	69.9	86.7
0-90°	4674	80.6	100.0
<b>Total Luminaire 0-180°</b>	<b>4674</b>	<b>80.6</b>	<b>100.0</b>

### LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	4942	4723	4441
55°	3872	3550	3138
65°	3365	2778	2384
75°	2724	1894	1625
85°	2222	1562	1354

### CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70				20				50				30				10				00			
	70	50	30	10	70	50	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10					
RCR 0	96	96	96	96	94	94	94	90	90	86	86	85	85	81														
1	89	86	83	81	87	84	79	81	77	78	75	75	73	71														
2	83	77	73	69	81	76	68	73	66	71	65	68	64	62														
3	77	70	64	60	75	68	59	66	58	64	57	62	56	55														
4	71	63	56	52	69	62	51	60	51	58	50	56	50	48														
5	65	56	50	45	64	55	45	54	44	52	44	51	43	42														
6	61	51	44	40	59	50	40	49	39	47	39	46	39	37														
7	56	46	40	35	55	45	35	44	35	43	34	42	34	33														
8	52	42	35	31	51	41	31	40	31	39	30	38	30	29														
9	48	38	31	27	47	37	27	36	27	35	27	34	26	25														
10	45	34	28	24	43	34	24	33	24	32	24	31	24	22														

Numbers indicate percentage values of reflectivity.

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

# Equation™ 1x4

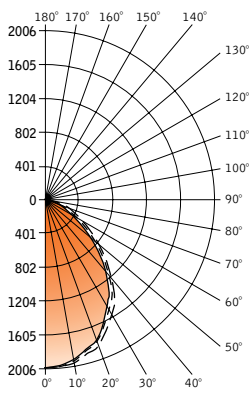
FLUORESCENT - NATURAL ANODIZED SIDE RAILS

## FEQ-14-B-2T5-S-120-G1-AL-WH

Filename: FEQ142T5AL.IES  
Test #: 16557.0

Lumens: 4222lm  
Efficiency: 73%

### CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	2006	2006	2006	2006	2006	
5°	2000	1997	1992	1989	1986	190
15°	1907	1898	1875	1860	1856	533
25°	1728	1700	1670	1657	1649	777
35°	1453	1417	1392	1355	1335	873
45°	1038	1020	997	954	945	767
55°	662	625	605	570	545	539
65°	421	377	342	311	300	345
75°	207	172	1398	121	120	158
85°	58	42	34	30	28	41
90°	0	0	0	0	0	
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0

### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	1500	25.9	35.5
0-40°	4373	40.9	56.2
0-60°	3679	63.4	87.1
0-90°	4222	72.8	100.0
<b>Total Luminaire 0-180°</b>	<b>4222</b>	<b>72.8</b>	<b>100.0</b>

### LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	4441	4266	4043
55°	3492	3191	2875
65°	3014	2448	2148
75°	2420	1625	1403
85°	2013	1180	972

### CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70				20				50				30				10				00			
	70	50	30	10	70	50	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10					
RCR 0	87	87	87	87	85	85	85	81	81	77	77	74	74	73														
1	81	78	75	73	79	76	72	73	70	71	68	68	66	64														
2	75	70	66	62	73	69	62	66	60	64	59	62	58	56														
3	69	63	58	54	66	62	54	60	53	58	52	56	51	50														
4	64	57	51	47	63	56	47	54	46	53	46	51	45	44														
5	59	51	45	41	58	50	41	49	40	47	40	46	39	38														
6	55	46	40	36	54	46	36	44	36	43	35	42	35	34														
7	51	42	36	32	50	41	32	40	32	39	31	38	31	30														
8	47	38	3	28	46	37	8	36	28	35	28	35	27	26														
9	43	34	28	25	42	34	25	33	24	32	24	31	24	23														
10	40	31	26	22	39	31	22	30	22	29	22	29	22	20														

Numbers indicate percentage values of reflectivity.

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