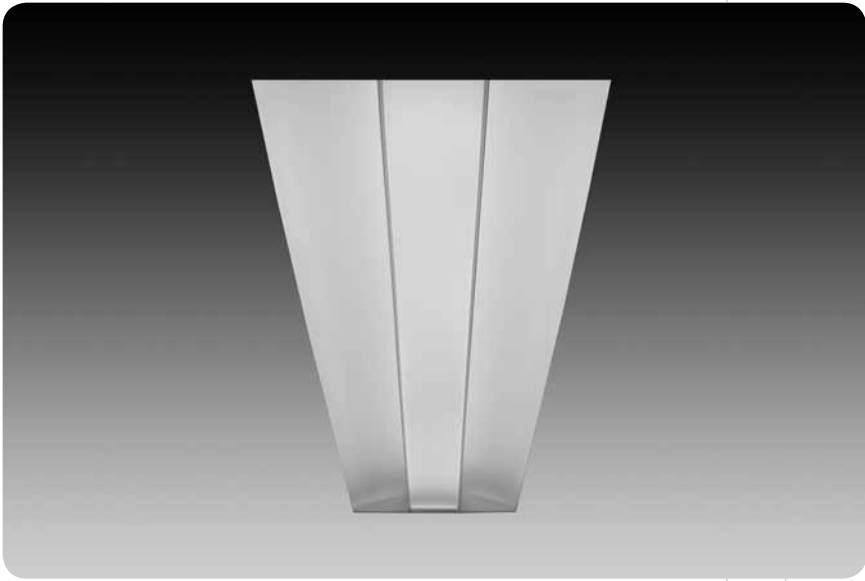


equation™ 1x4



Patent Pending

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.

Patent pending QuickLatch™ hinged diffuser system makes relamping easy.

mounting & shielding options



suspended or surface mount

natural anodized side rails

white painted side rails

details & options



QuickLatch™

air return

daylight/occupancy sensor

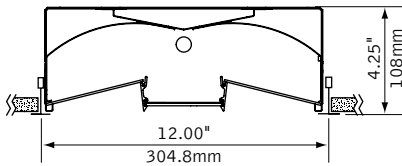
companion luminaire



twelve with MicroGlow™

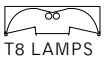
avenue b with MicroGlow™

dimensional data



Overall height for luminaire with Air Return is 4.90"

lampping options



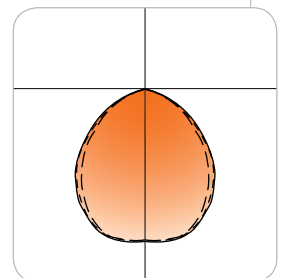
T8 LAMPS



T5/T5HO LAMPS

performance

1-Lamp T5H0
75% Efficiency
1560 cd @ 10°



Visit focalpointlights.com for complete photometric data.

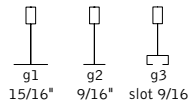
fixture:

project:

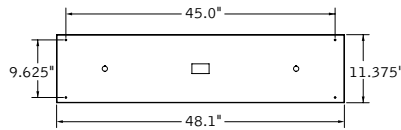
mounting information

grid

for lay-in grid, specify G1, G2 or G3.

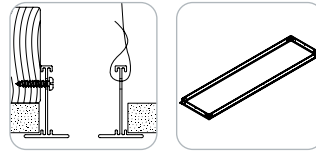


surface mount/suspended



drywall frame kit

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



Use tie-wire or screws to secure frame kit.

cut out dimensions:
1': Min: 12.25"
Max: 12.563"
4': Min: 48.25"
Max: 48.563"

specifications

construction

One piece 20 Ga. Steel reflector and housing.
20 Ga. Steel ends form finishing housing.
Bottom access 20 Ga. Steel ballast compartment.
Earthquake 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.
UL and cUL listed.

sensors

Philips Luxsense daylight sensor measures reflected light from the surface below and dims lamp output when the light level exceeds required level. Output may be adjusted by turning the dial. A 0-10V dimming ballast is required (T5/T8 - DS, T5H0 - D7 standard).

Wattstopper daylight sensor is a closed loop system that measures total light level from daylight and electric light. A 0-10V dimming ballast is required (T5/T8 - DS, T5H0 - D7 standard).

Wattstopper occupancy sensor is a passive infrared sensor designed for cubicles and small offices. It has built-in daylight sensing that will hold lights off when adequate ambient light exists. One sensor controls multiple fixtures.

finish

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

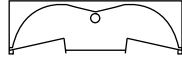
ordering

luminaire series	FEQ
Equation	FEQ
nominal size	14
1' x 4'	14
distribution	B
Bi-Directional	B
lamp quantity	
One Lamp	1
Two Lamps	2
lamp type	
T8	T8
(two lamp only)	
T5H0	T5H0
T5	T5
ballast	
Electronic Instant Start <20% THD (T8 only)	E
Electronic Program Start <10% THD	S
Electronic Dimming Ballast*	D
Electronic Step Dimming	DA
voltage	
120 Volt	120
277 Volt	277
347 Volt	347
mounting	
24" Aircraft Cable	C24
48" Aircraft Cable	C48
96" Aircraft Cable	C96
15/16" Grid	G1
9/16" Grid	G2
9/16" Slot Tee	G3
Surface Mount	SM
shielding	
Natural Anodized Side Rails	AL
White Painted Side Rails	WP
factory options	
Air Return	AR
(Overall height with Air Return is 4.90")	
Chicago Plenum	CP
Drywall Frame Kit	DF
Cut out dimensions: Min: 12.25"/Max: 12.563" Min: 48.25"/Max: 48.563"	
Emergency Battery Pack*	EM
HLR/GLR Fuse	FU
Flex Whip*	FW
Include 3000K Lamp*	L830
Include 3500K Lamp*	L835
Include 4100K Lamp*	L841
Separate Circuit*	SC
Master Satellite*	MS
Tandem Wiring*	TW
Lutron™ Sensor Feed* (EcoSystem ballast required)	SF
Philips® Daylight Sensor* (0-10V dimming ballast required)	PY1
WattStopper™ Daylight Sensor* (0-10V dimming ballast required)	WY1
WattStopper™ Occupancy Sensor*	WO1
finish	WH
Matte Satin White	WH

* for more information see Reference section.

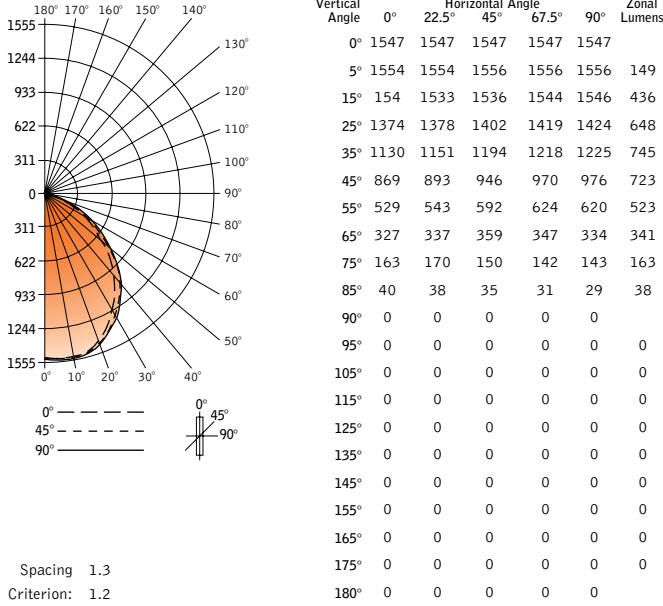
Focal Point LLC | 4141 S. Pulaski Rd, Chicago, IL 60632 | F: 773.247.9494 | T: 773.247.8484 | info@focalpointlights.com | www.focalpointlights.com. Focal Point LLC reserves the right to change specifications for product improvement without notification.

high performance white side rails
equation™ 1x4



Filename: FEQ141T5HWP.IES
Catalog #: FEQ-14-B-1T5H0-S-120-G1-WP-WH
Efficiency: 75%
Test #: 13281.0

CANDLEPOWER DISTRIBUTION



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0°-30°	1232	24.6	32.7
0°-40°	1977	39.5	52.5
0°-60°	3223	64.5	85.6
0°-90°	3764	75.3	100.0
Total Luminaire	3764	75.3	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	3735	4065	4194
55°	2803	3136	3285
65°	2351	2581	2402
75°	1914	1761	1679
85°	1395	1220	1011

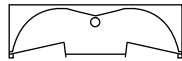
CO-EFFICIENTS OF UTILIZATION

Floor	80	70	20	30	10	00
Ceiling	70	50	30	10	50	10
Wall	70	50	30	10	50	10
RCR 0	90	90	90	90	88	88
1	83	80	78	75	81	79
2	77	72	67	64	75	70
3	71	64	59	55	69	63
4	66	58	52	47	64	57
5	60	52	45	41	59	51
6	56	47	40	36	54	46
7	52	42	36	31	50	41
8	48	38	32	27	46	37
9	44	34	28	24	43	33
10	41	31	25	21	40	30

Numbers indicate percentage values of reflectivity.

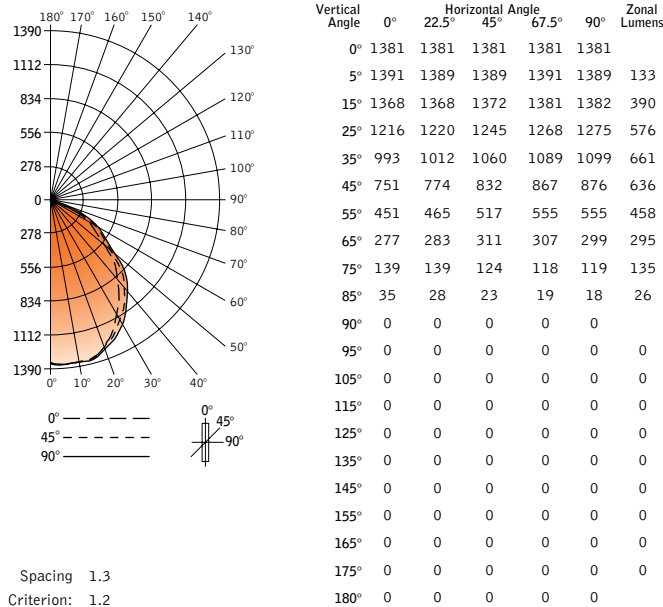
Go to www.focalpointlights.com for additional photometric data.

natural anodized side rails
equation™ 1x4



Filename: FEQ141T5HAL.IES
Catalog #: FEQ-14-B-1T5H0-S-120-G1-AL-WH
Efficiency: 66%
Test #: 13280.0

CANDLEPOWER DISTRIBUTION



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0°-30°	1098	22.0	33.2
0°-40°	1759	35.2	53.2
0°-60°	2853	57.1	86.2
0°-90°	3309	66.2	100.0
Total Luminaire	3309	66.2	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	3227	3576	3765
55°	2389	2739	2940
65°	1992	2236	2150
75°	1632	1456	1397
85°	1220	802	628

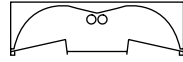
CO-EFFICIENTS OF UTILIZATION

Floor	80	70	20	30	10	00
Ceiling	70	50	30	10	50	10
Wall	70	50	30	10	50	10
RCR 0	79	79	79	79	77	77
1	73	71	68	66	72	69
2	68	63	59	56	66	62
3	63	57	52	48	61	56
4	58	51	46	42	57	50
5	53	46	40	36	52	45
6	49	41	36	32	48	41
7	45	37	32	28	44	37
8	42	33	28	24	41	33
9	39	30	25	21	38	30
10	36	27	22	19	35	27

Numbers indicate percentage values of reflectivity.

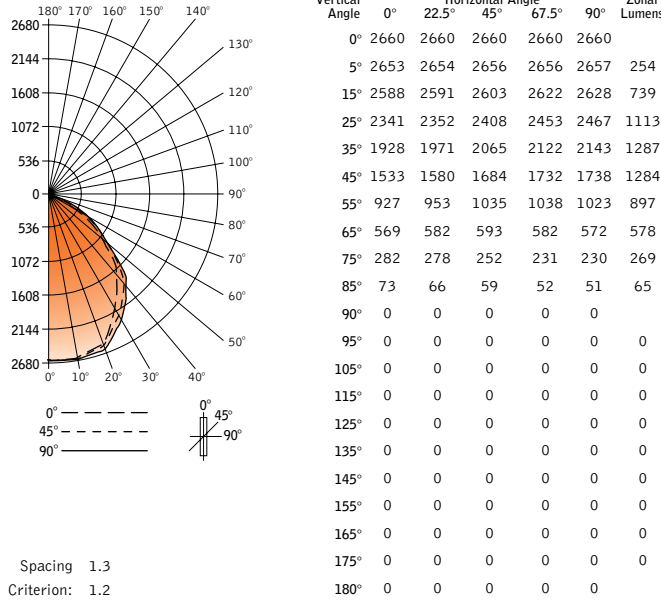
Go to www.focalpointlights.com for additional photometric data.

high performance white side rails
equation™ 1x4



Filename: FEQ142T5HWP.IES
 Catalog #: FEQ-14-B-2T5H0-S-120-G1-WP-WH
 Efficiency: 65%
 Test #: 13283.0

CANDLEPOWER DISTRIBUTION



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0°-30°	2105	21.1	32.5
0°-40°	3392	33.9	52.3
0°-60°	5573	55.7	85.9
0°-90°	6485	64.8	100.0
Total Luminaire	6485	64.8	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	6588	7237	7469
55°	4911	5483	5420
65°	4091	4264	4113
75°	3311	2959	2700
85°	2545	2057	1778

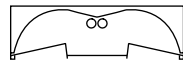
CO-EFFICIENTS OF UTILIZATION

Floor	80	70	20	50	30	10	00
Ceiling	70	50	30	10	50	10	00
Wall	70	50	30	10	50	10	00
RCR 0	77	77	77	77	72	72	69
1	72	69	67	65	70	68	64
2	66	62	58	55	65	61	54
3	61	55	51	47	60	54	47
4	57	50	45	41	55	49	41
5	52	44	39	35	51	44	35
6	48	40	35	31	47	39	31
7	44	36	31	27	43	36	27
8	41	32	27	24	40	32	24
9	38	29	24	21	37	29	20
10	35	27	21	18	34	26	18

Numbers indicate percentage values of reflectivity.

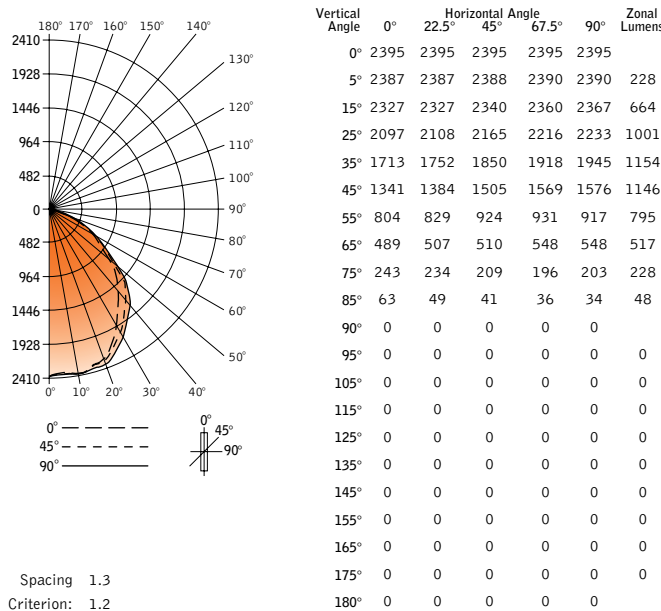
Go to www.focalpointlights.com for additional photometric data.

natural anodized side rails
equation™ 1x4



Filename: FEQ142T5HAL.IES
 Catalog #: FEQ-14-B-2T5H0-S-120-G1-AL-WH
 Efficiency: 58%
 Test #: 13282.0

CANDLEPOWER DISTRIBUTION



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0°-30°	1894	18.9	32.8
0°-40°	3048	30.5	52.7
0°-60°	4988	49.9	86.3
0°-90°	5781	57.8	100.0
Total Luminaire	5781	57.8	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	5763	6468	6773
55°	4260	4895	4858
65°	3516	3667	3940
75°	2853	2454	2383
85°	2197	1430	1185

CO-EFFICIENTS OF UTILIZATION

Floor	80	70	20	50	30	10	00
Ceiling	70	50	30	10	50	10	00
Wall	70	50	30	10	50	10	00
RCR 0	69	69	69	69	67	67	67
1	64	62	60	58	63	60	57
2	59	55	52	49	58	54	49
3	55	50	46	42	53	49	42
4	51	44	40	37	49	44	36
5	46	40	35	32	45	39	31
6	43	36	31	28	42	35	28
7	40	32	28	24	39	32	24
8	37	29	24	21	36	29	21
9	34	26	22	18	33	26	18
10	31	24	19	16	31	23	16

Numbers indicate percentage values of reflectivity.

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