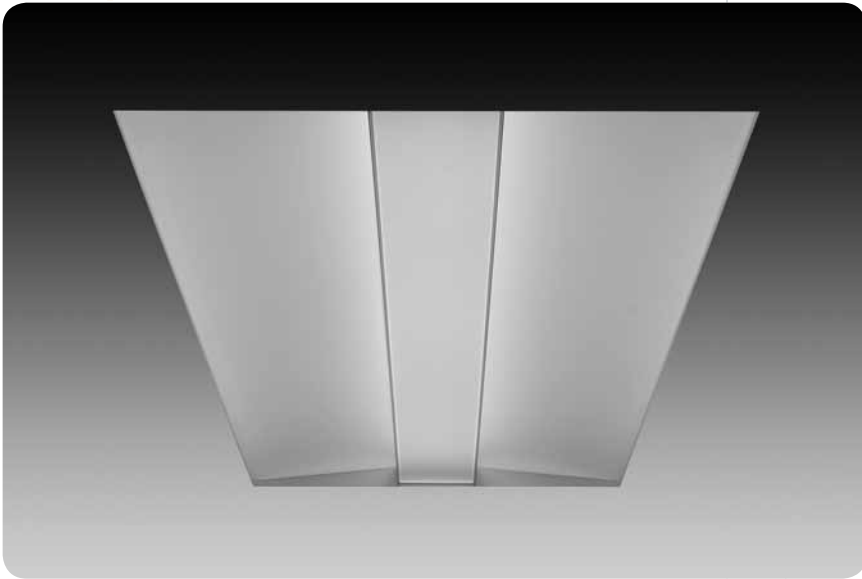


equation™ 2x4



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

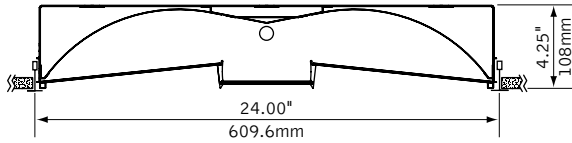
companion luminaire



twelve with MicroGlow™

avenue b with MicroGlow™

dimensional data

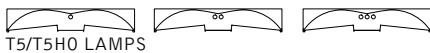


Overall height for luminaire with Air Return is 4.90"

lampping options



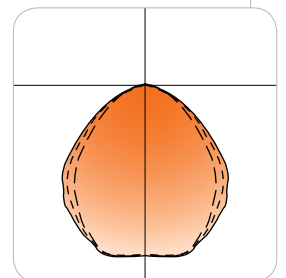
T8 LAMPS



T5/T5H0 LAMPS

performance

1-Lamp T5H0
83% Efficiency
1703 cd @ 10°



Visit focalpointlights.com for complete photometric data.

march 2010 C

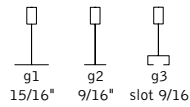
fixture:

project:

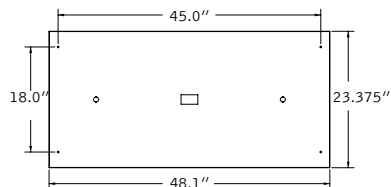
mounting information

grid

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

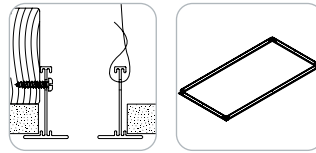


surface mount/suspended



drywall frame kit

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



Use tie-wire or screws to secure frame kit.

cut out dimensions:
2': Min: 24.25"
Max: 24.563"
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: 29 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

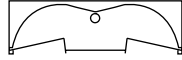
Polyester powder coat applied over a 5-stage pre-treatment.

ordering

luminaire series	FEQ
Equation	FEQ
nominal size	24
2' x 4'	24
distribution	B
Bi-Directional	B
lamp quantity	
One Lamp	1
Two Lamp	2
Three Lamp	3
lamp type	
T5	T5
T5H0	T5H0
T8	T8
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 (Overall height with Air Return is 4.90")	AR
Chicago Plenum	CP
Drywall Frame Kit (Cut out dimensions: Min: 24.25"/Max: 24.563" Min: 48.25"/Max 48.563")	DF
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*	W01
finish	WH
Matte Satin White	WH

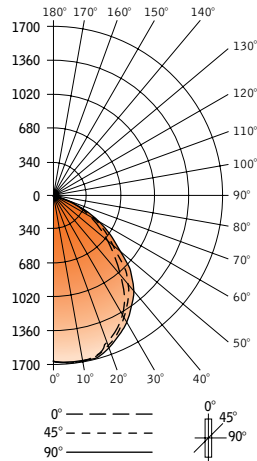
* for more information see Reference section.

high performance white side rails
equation™ 2x4



Filename: FEQ241T5HWP.IES
Catalog #: FEQ-24-B-1T5H0-S-120-G1-WP-WH
Efficiency: 83%
Test #: 13287.0

CANDLEPOWER DISTRIBUTION



Vertical Angle	0°	22.5°	45°	67.5°	90°	Zonal Lumens
0°	1681	1681	1681	1681	1681	
5°	1691	1689	1689	1691	1689	161
15°	1672	1677	1682	1688	1692	477
25°	1498	1511	1534	1555	1567	710
35°	1243	1259	1318	1364	1372	824
45°	932	967	1040	1100	1127	801
55°	549	569	632	691	705	565
65°	333	336	377	415	423	374
75°	171	165	180	187	189	188
85°	42	42	37	35	35	42
90°	0	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

Spacing 1.2
Criterion: 1.3

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0°-30°	1348	27.0	32.5
0°-40°	2172	43.4	52.4
0°-60°	3538	70.8	85.4
0°-90°	4142	82.8	100.0
Total Luminaire	4142	82.8	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	1898	2118	2296
55°	1379	1587	1770
65°	1135	1285	1442
75°	952	1002	1052
85°	694	611	578

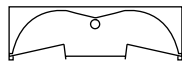
CO-EFFICIENTS OF UTILIZATION

Floor	80	70	50	30	10	00
Ceiling	70	50	30	10	50	10
Wall	99	99	99	99	92	88
RCR 0	92	88	85	83	89	86
1	85	79	74	70	83	77
2	78	71	65	60	76	69
3	72	63	57	52	70	62
4	66	57	50	45	65	56
5	61	51	44	39	60	50
6	57	46	39	35	55	46
7	52	41	35	30	51	41
8	48	37			40	30
9						
10						

Numbers indicate percentage values of reflectivity.

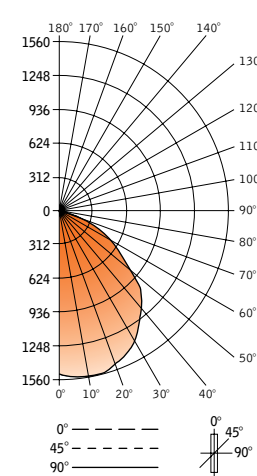
Go to www.focalpointlights.com for additional photometric data.

natural anodized side rails
equation™ 2x4



Filename: FEQ241T5HAL.IES
Catalog #: FEQ-24-B-1T5H0-S-120-G1-AL-WH
Efficiency: 75%
Test #: 13286.0

CANDLEPOWER DISTRIBUTION



Vertical Angle	0°	22.5°	45°	67.5°	90°	Zonal Lumens
0°	1530	1530	1530	1530	1530	
5°	1541	1541	1541	1541	1539	147
15°	1535	1539	1545	1549	1555	438
25°	1368	1379	1402	1423	1440	649
35°	1131	1142	1204	1250	1257	752
45°	839	873	945	1009	1040	729
55°	490	507	569	619	639	507
65°	297	298	336	367	379	332
75°	151	143	152	159	162	162
85°	91	33	28	25	25	32
90°	0	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

Spacing 1.2
Criterion: 1.3

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0°-30°	1234	24.7	32.9
0°-40°	1986	39.7	53.0
0°-60°	3222	64.4	86.0
0°-90°	3748	75.0	100.0
Total Luminaire	3748	75.0	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	1709	1925	2118
55°	1230	1429	1605
65°	1012	1145	1292
75°	840	846	902
85°	611	463	413

CO-EFFICIENTS OF UTILIZATION

Floor	80	70	50	30	10	00
Ceiling	70	50	30	10	50	10
Wall	89	89	89	89	83	83
RCR 0	83	80	77	75	81	78
1	77	72	67	64	75	70
2	71	64	59	55	69	63
3	66	58	52	47	64	57
4	60	51	45	41	59	51
5	56	46	40	36	54	46
6	51	42	36	32	50	41
7	47	38	32	28	46	37
8	44	34	28	24	43	33
9	41	31	25	21	40	30
10						

Numbers indicate percentage values of reflectivity.

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