

2', 3' and 4' diameter skydome™



features

2', 3' and 4' diameter recessed direct fluorescent with frosted acrylic lens.

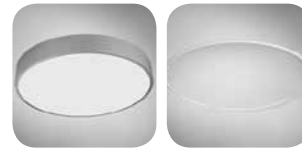
Lens options include concave, convex, or high performance flat.

Frosted acrylic lens provides smooth distribution and eliminates lamp image.

Universal ceiling trim rings are suitable for both grid & drywall applications.

Skydome™ is an excellent choice for open public spaces such as airport concourses, large lobbies, reception areas and meeting rooms.

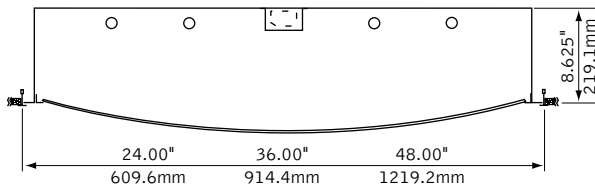
companion luminaire



surface/pendant mount

5' and 6' recessed

dimensional data



lamping options

2' diameter



BIAx LAMPS

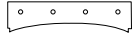


T8 LAMPS



T5/T5HO LAMPS

3' diameter

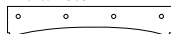


T8 LAMPS

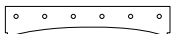


T5/T5HO LAMPS

4' diameter



T8 LAMPS

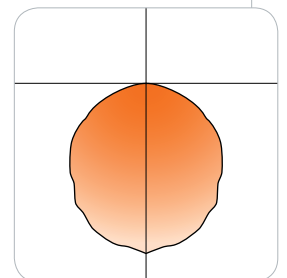


T5/T5HO LAMPS

performance

4' Diameter
6-Lamp T8
Concave Lens
49% Efficiency
3055 cd @ 10°

4' Diameter
6-Lamp T8
High Performance
Flat Lens
59% Efficiency
2839 cd @ 0°

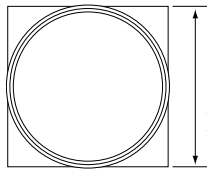


Visit focalpointlights.com for complete photometric data.

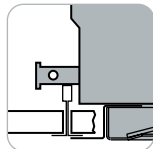
fixture:

project:

mounting information



housing dimensions:
2': 23.5"
3': 35.5"
4': 47.5"



square housing installs easily into grid ceiling.

fixture must be installed prior to drywall ceiling.

specifications

construction

Two-piece 20 Ga. steel reflector and housing.
Spun steel trim ring and doorframe.
Bottom access 20 Ga. steel ballast compartment.

2' unit weight: 37 lbs.
3' unit weight: 53 lbs.
4' unit weight: 78 lbs.

optic

One-piece 20 Ga. steel reflector finished in High Reflectance White powder coat.
.125" white acrylic is held by one-piece spun steel doorframe and secured to the housing by torsion springs.
Lens available in concave, convex or high performance flat.

electrical

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

finish

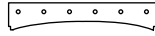
Polyester powder coat applied over a 5-stage pre-treatment.

ordering

luminaire series		<u>FSD</u>
Skydome	FSD	
nominal size		
2' Diameter	22	
3' Diameter	33	
4' Diameter	44	
distribution		<u>D</u>
Direct Symmetrical	D	
lamp quantity		
Two Lamp (2' Diameter Only)	2	
Four Lamp (Not recommended for 4' luminaires with Concave Lens due to lamp image)	4	
Six Lamp	6	
Eight Lamp (4' Diameter Only)	8	
lamp type		
40 Watt Biax (2' Diameter Only)	BX40	
50 Watt Biax (2' Diameter Only)	BX50	
55 Watt Biax (2' Diameter Only)	BX55	
T8	T8	
T5	T5	
T5H0	T5H0	
ballast		
Electronic Instant Start <20% THD	E	
Electronic Program Start <10% THD	S	
Electronic Dimming Ballast*	D	
voltage		
120 Volt	120	
277 Volt	277	
347 Volt	347	
mounting		<u>U</u>
Universal	U	
shielding		
Concave Lens	CR	
Convex Lens	CX	
High Performance Flat Lens	FLXP	
factory options		
Chicago Plenum	CP	
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* (may cause loss of uniformity)	SC	
Lutron™ Sensor Feed* (EcoSystem ballast required)	SF	
finish		<u>WH</u>
Matte Satin White	WH	

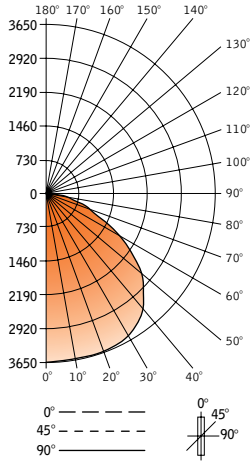
* for more information see Reference section.

skydome™



Filename: FSD446T8CR.IES
 Catalog #: FSD-44-D-6-T8-E-120-U-CR-WH
 Efficiency: 49%
 Test #: 14296.0

CANDLEPOWER DISTRIBUTION



Spacing 1.2
 Criterion: 1.2

Vertical Angle	Horizontal Angle				Zonal Lumens
	0°	22.5°	45°	67.5°	
0°	3020	3020	3020	3020	3020
5°	3036	3038	3036	3033	3029
15°	2690	2958	2958	2960	2960
25°	2716	2716	2717	2719	2717
35°	2377	2380	2380	2382	2382
45°	1992	1990	1992	1995	1993
55°	1579	1579	1582	1582	1418
65°	1086	1087	1091	1092	1091
75°	589	589	591	593	594
85°	174	174	174	172	174
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	% Lamp	% Fixt
0°-30°	2386	13.5	27.3
0°-40°	3881	21.9	44.4
0°-60°	6843	38.7	78.3
0°-90°	8739	49.4	100.0
Total Luminaire	8739	49.4	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	2882	2882	2884
55°	2817	2822	2822
65°	2629	2641	2641
75°	2328	2336	2348
85°	2043	2043	2043

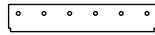
CO-EFFICIENTS OF UTILIZATION

Floor	80			70			20					
Ceiling	70	50	30	10	50	10	50	10	30	10	00	
Wall	70	50	30	10	70	50	10	50	10	50	10	00
RCR 0	59	59	59	59	57	57	57	55	55	53	53	49
1	54	52	50	48	53	51	47	49	46	47	44	42
2	49	45	42	40	48	45	39	43	38	41	37	35
3	45	40	36	33	44	40	33	38	35	37	34	30
4	41	36	32	28	40	35	28	34	28	33	27	26
5	38	32	27	24	37	31	24	30	24	29	23	22
6	35	28	24	21	34	28	21	27	20	26	20	19
7	32	25	21	18	31	25	18	24	18	23	18	17
8	30	23	19	16	29	22	16	22	15	21	15	14
9	27	20	16	13	26	20	13	20	13	19	13	12
10	25	19	15	12	25	18	12	18	12	17	12	11

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

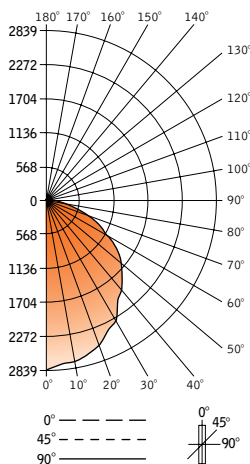
Numbers indicate percentage values of reflectivity.

skydome™



Filename: FSD446T8FLXP.IES
 Catalog #: FSD-44-D-6-T8-E-120-U-FLXP-WH
 Efficiency: 59%
 Test #: 15279.0

CANDLEPOWER DISTRIBUTION



Spacing 1.2
 Criterion: 1.2

Vertical Angle	Horizontal Angle				Zonal Lumens
	0°	22.5°	45°	67.5°	
0°	2839	2839	2839	2839	2839
5°	2761	2760	2760	2758	2758
15°	2661	2663	2667	2671	2672
25°	2409	2413	2423	2428	2428
35°	2046	2053	2065	2075	2074
45°	1747	1757	1769	1779	1778
55°	1377	1386	1397	1408	1407
65°	915	922	932	939	938
75°	440	442	448	452	453
85°	94	94	96	98	100
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	% Lamp	% Fixt
0°-30°	2140	16.6	28.3
0°-40°	3436	26.6	45.5
0°-60°	6056	46.9	80.1
0°-90°	7558	58.6	100.0
Total Luminaire	7558	58.6	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	0°	45°	90°
45°	1997	2022	2032
55°	1940	1968	1983
65°	1750	1782	1794
75°	1374	1399	1415
85°	872	890	927

CO-EFFICIENTS OF UTILIZATION

Floor	80			70			20					
Ceiling	70	50	30	10	50	10	50	10	30	10	00	
Wall	70	50	30	10	70	50	10	50	10	50	10	00
RCR 0	70	70	70	70	68	68	68	65	65	62	62	59
1	64	62	59	57	63	60	56	58	55	56	53	50
2	59	55	51	48	57	53	47	51	46	49	45	43
3	54	48	44	40	53	47	40	46	39	44	39	37
4	50	43	38	34	48	42	34	41	34	39	33	32
5	45	38	33	29	44	37	29	36	29	35	28	27
6	42	34	29	25	41	33	25	31	25	31	25	23
7	38	31	25	22	37	30	22	29	22	28	22	20
8	35	27	22	19	34	27	19	26	19	25	19	17
9	33	25	20	16	32	24	16	24	16	23	16	15
10	30	22	18	15	29	22	14	21	14	21	14	13

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Numbers indicate percentage values of reflectivity.