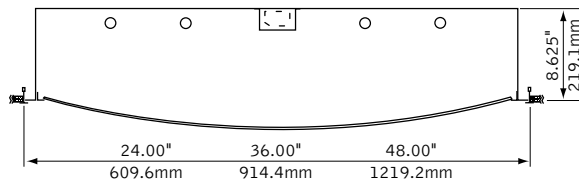


surface/pendant  
mount companion

## DIMENSIONAL DATA



### lamping options

#### 2' diameter



BIAx LAMPS

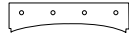


T8 LAMPS



T5/T5HO LAMPS

#### 3' diameter

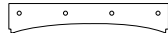


T8 LAMPS

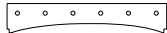


T5/T5HO LAMPS

#### 4' diameter



T8 LAMPS



T5/T5HO LAMPS

## FEATURES

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

Lens options include textured concave, convex, or smooth 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.

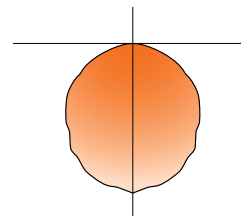
## PERFORMANCE

### PRODUCT OVERVIEW

Lumen Output: 850-18400lm

Wattage: 32-245W

Lamping: Biax, T5, T5HO, T8



4' Diameter  
6-Lamp T8  
Concave Lens

49% Efficient

3055 cd @ 10°

Visit [focalpointlights.com](http://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.

Luminaire 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.

**Labels**

UL and cUL listed.

**Finish**

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

**ORDERING**

		<b>FSD</b>
<b>Luminaire Series</b>		
Skydome	FSD	_____
<b>Nominal Size</b>		_____
2' Diameter	22	
3' Diameter	33	
4' Diameter	44	
<b>Shielding</b>		_____
Concave Lens	CR	
Convex Lens	CX	
High Performance Flat Lens	FLXP	
<b>Lamp Quantity</b>		_____
Two Lamp	2	
<small>(2' Diameter Only)</small>		
Four Lamp	4	
<small>(Not recommended for 4' luminaires with Concave Lens due to lamp image)</small>		
Six Lamp	6	
Eight Lamp	8	
<small>(4' Diameter Only)</small>		
<b>Lamp Type</b>		_____
40 Watt Biax	BX40	
<small>(2' Diameter Only)</small>		
T8	T8	
T5	T5	
T5HO	T5HO	
<b>Circuit</b>		_____
Single Circuit	1C	
Dual Circuit	2C	
<small>(May cause loss of uniformity)</small>		
<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 EM option)</small>		
<b>Ballast</b>		_____
Electronic Program Start <10% THD	S	
0-10V	D7	
Lutron 1% 3-wire	DH	
<small>(5% for Biax)</small>		
Lutron 1% H-Series	DK	
<small>(5% Hi-Lume 3D for Biax)</small>		
<b>Mounting</b>		<b>U</b>
Universal	U	
<b>Factory Options</b>		_____
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	
<b>Finish</b>		<b>WH</b>
Matte Satin White	WH	

# Skydome™

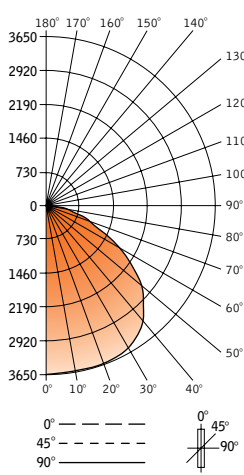
FLUORESCENT

## FSD-44-D-6-T8-E-120-U-CR-WH

Filename: FSD446T8CR.IES  
 Test #: 14296.0

Lumens: 8739lm  
 Efficiency: 49%

### CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	3020	3020	3020	3020	3020	3020
5°	3036	3038	3036	3033	3029	290
15°	2690	2958	2958	2960	2960	839
25°	2716	2716	2717	2719	2717	1258
35°	2377	2380	2380	2382	2382	1495
45°	1992	1990	1992	1995	1993	1543
55°	1579	1579	1582	1582	1582	1418
65°	1086	1087	1091	1092	1091	1082
75°	589	589	591	593	594	625
85°	174	174	174	172	174	189
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

### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
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
<b>Total Luminaire 0-180°</b>	<b>8739</b>	<b>49.4</b>	<b>100.0</b>

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

Numbers indicate percentage values of reflectivity.

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

# Skydome™

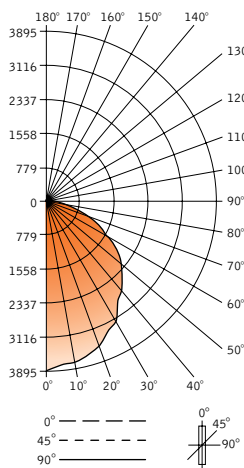
FLUORESCENT

## FSD-44-D-6-T8-E-120-U-FLXP-WH

Filename: FSD446T8FLXP.IES  
 Test #: 15279.0

Lumens: 10370lm  
 Efficiency: 59%

### CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	3895	3895	3895	3895	3895	3895
5°	3788	3787	3787	3784	3784	361
15°	3651	3654	3659	3665	3666	1037
25°	3305	3311	3325	3331	3331	1537
35°	2807	2817	2833	2847	2846	1778
45°	2397	2411	2427	2441	2440	1878
55°	1889	1902	1917	1932	1931	1718
65°	1255	1265	1279	1288	1287	1267
75°	604	606	615	620	622	649
85°	129	129	132	134	137	144
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

### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	2936	16.6	28.3
0-40°	4714	26.6	45.5
0-60°	8310	46.9	80.1
0-90°	10370	58.6	100.0
<b>Total Luminaire 0-180°</b>	<b>10370</b>	<b>58.6</b>	<b>100.0</b>

### LUMINANCE DATA (cd/m²)

Vertical Angle	0°	45°	90°
45°	2740	2774	2788
55°	2662	2701	2720
65°	2401	2446	2461
75°	1885	1919	1941
85°	1196	1221	1272

### 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	00
RCR 0	70	70	70	70	68	68	68	65	65	62	62	60	60	59
1	64	62	59	57	63	60	56	58	55	56	53	54	52	50
2	59	55	51	48	57	53	47	51	46	49	45	48	44	43
3	54	48	44	40	53	47	40	46	39	44	39	43	38	37
4	50	43	38	34	48	42	34	41	34	39	33	38	33	32
5	45	38	33	29	44	37	29	36	29	35	28	34	28	27
6	42	34	29	25	41	33	25	31	25	31	25	31	24	23
7	38	31	25	22	37	30	22	29	22	28	22	28	21	20
8	35	27	22	19	34	27	19	26	19	25	19	25	19	17
9	33	25	20	16	32	24	16	24	16	23	16	22	16	15
10	30	22	18	15	29	22	14	21	14	21	14	20	14	13

Numbers indicate percentage values of reflectivity.

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