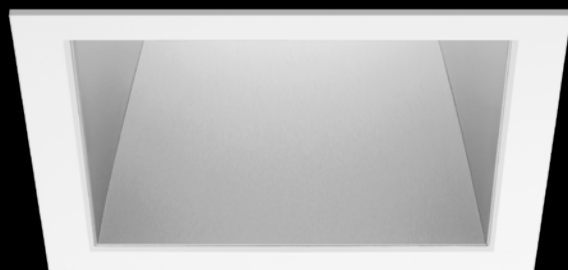


# id+ 4.5" x 4.5"

LED DOWNLIGHT



white flange



black flange



titanium silver flange

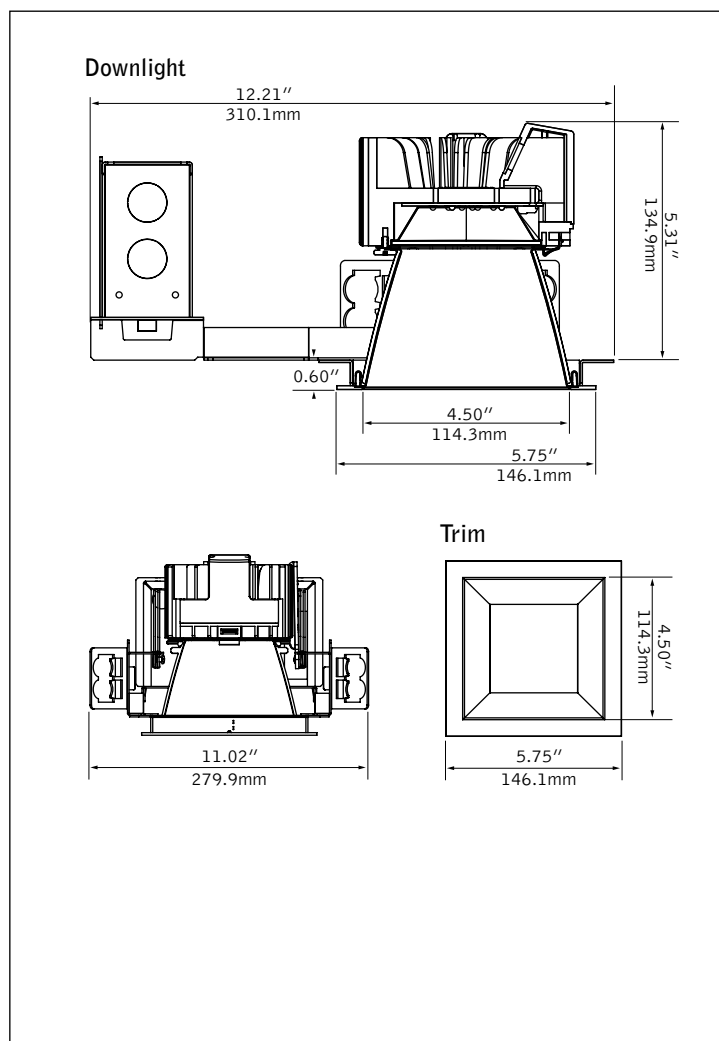


clear diffuse



warm diffuse

## DIMENSIONAL DATA



## FEATURES

ChromaSure: Color consistency resulting in a 2-step MacAdam ellipse across the entire ID+ product line.

Field adjustability of ceiling thickness from 0.5" - 2.5".

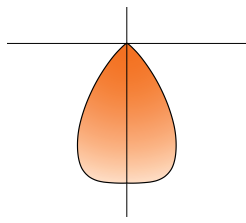
Shallow housing.

50 degree cutoff to light source and its image.

Selection of dimming drivers available.

Right Light: Standard delivered lumen outputs 1000, 1500, 2000, 2500 and 3000.

## PERFORMANCE



**PRODUCT OVERVIEW**

Lumen Output: 1000-3000lm

Wattage: 13-45W

LPW: 67-78

Spacing Criteria: 1.07- 1.11

SDCM: 2

Lumen Maintenance: L70 @ 63,000hrs

Clear Diffuse Reflector  
3500k, 2000 Lumens

**Delivered Lumens: 2000lm**

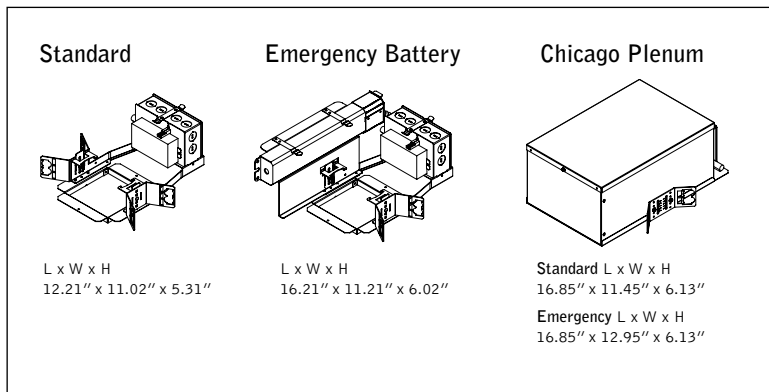
**Total System Watts: 26W**

Photometric performance is measured in accordance with IESNA LM-79.  
Visit [focalpointlights.com](http://focalpointlights.com) for complete photometric data.

fixture:

project:

## HOUSING DETAILS



## HOUSING SPECIFICATIONS

### Construction

Thermally protected housing for new construction applications. Insulation to be kept 3" away from housing. Butterfly brackets allow mounting to 1/2 emt. Order bar hangers as an accessory. Die-cast aluminum heat sink designed for maximum thermal dissipation. Die-formed housing and integral junction box with (7) 1/2" pry outs. UL & cUL listed for (6) #14 AWG (3 in, 3 out) 90°C conductors and feed through-branch wiring. Accommodates ceiling thicknesses up to 0.5" standard, field adjustable up to 2.5" thickness. For thicker ceiling consult factory. Fixture will not exceed 5 lb.

### Electrical

Choice of constant current dimming drivers. Power factor > .9 typical.

### Emergency

Emergency Battery Pack: Bodine BSL17C-C2. Emergency output —7W for 90 minutes. Maximum mounting height: 23.3ft

### Labels

UL and cUL listed. Wet Location listed, indoor use only.

### Lumen Maintenance

Reported: L70 at >63,000 hours  
Derived from EPA TM-21 calculator

### Warranty

LED System rated for operation in ambient environments up to 25°C. 5 year limited warranty.

## TRIM & LED SPECIFICATIONS

### LED System

Proprietary array incorporates premium LEDs on a robust platform. May be specified in 2700K, 3000K, 3500K or 4000K, CRI>80. Color accuracy within 2 SDCM. Aluminum heat sink provides appropriate thermal management.

### Aesthetics

Die-formed aluminum reflector ensures glare free optics. Reflector attaches to die-cast, seamless flange and may be removed for field painting. Torsion springs pull trim tight to the ceiling with no visible fasteners within the trim.

### Optics

55-degree cut-off to light source and its image.

## PERFORMANCE CHART

Delivered Lumens	System Watts	LPW
1000	13	76
1500	21	73
2000	26	78
2500	36	69
3000	45	67

\*Based on 3500/4000K, Clear Diffuse reflector cone. 2700K multiplier: 0.84. 3000K multiplier: 0.92. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

## HOUSING ORDERING

<b>Housing Series</b>	ID+ 4.5" Square Downlight	FLC44D	<b>FLC44D</b>
<b>Trim Type</b>	Square Flush	SF	
	Square Overlap	SO	
<b>Lumen Output</b>	1000 Lumens	1000L	
	1500 Lumens	1500L	
	2000 Lumens	2000L	
	2500 Lumens	2500L	
	3000 Lumens	3000L	
<b>Voltage</b>	120V	120	
	277V**	277	
<b>Driver</b>	0-10V - 1% Dimming	L11	
	0-10V - 10% Dimming	LD1	
	Lutron A-Series	L3D	
	1% EcoSystem Digital <small>(Consult factory for 3-wire control)</small>		
	DALI - 1% Dimming	D11	
<b>Housing Type</b>	Thermally Protected, Non-IC	T	<b>T</b>
<b>Factory Options</b>	Bar Hangers	BH	
	Chicago Plenum / National Plenum	CP	
	Emergency Battery <small>(Must order LC44EM trim)</small>	EM	
<b>TRIM &amp; LED MODULE</b>			
<b>Aperture</b>	4.5" Square Reflector	LC44	
	4.5" Square Reflector - Emergency <small>(Required for "EM" option)</small>	LC44EM	
<b>Trim Type</b>	Square	SQ	<b>SQ</b>
<b>Lumen Output</b>	1000 Lumens	1000L	
	1500 Lumens	1500L	
	2000 Lumens	2000L	
	2500 Lumens	2500L	
	3000 Lumens	3000L	
<b>Color Temperature</b>	2700K	27K	
	3000K	30K	
	3500K	35K	
	4000K	40K	
<b>Optic</b>	Downlight	DN	<b>DN</b>
<b>Color</b>	Clear Diffuse	CD	
	Warm Diffuse	WD	
<b>Flange Finish</b>	White	WH	
	Black	BK	
	Titanium Silver	TS	
	Aluminum Raw	AL	

A complete unit consists of two line items, housing and trim  
Example: FLC44D-SO-1500L-120-LD1-T | LC44-SQ-1500L-35K-DN-CD-WH

# id<sup>+</sup> 4.5" x 4.5"

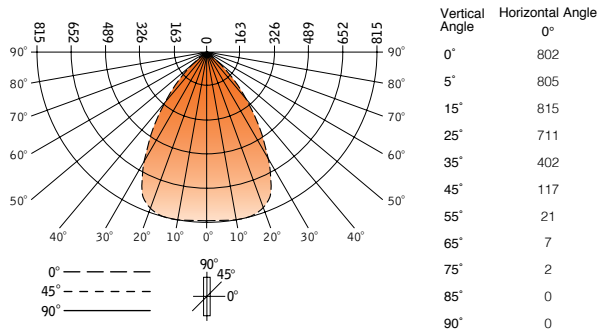
LED DOWNLIGHT

## FLC44D-SO-1000L-120-L11-T / LC44-SO-1000L-35K/40K-DN-CD-NP

Filename: FLC44DSO1000L\_35K\_40K\_DNCD.IES  
Test #: 1100918

Lumens: 1004lm  
System Watts: 13W  
LPW: 77

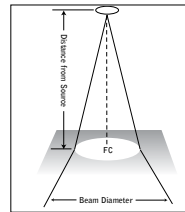
### CANDELPWER DISTRIBUTION



### LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30°	628	62.5
0-40°	877	87.3
0-60°	994	99.0
0-90°	1004	100.0
<b>Total Luminaire</b>	<b>0-180°</b>	<b>1004</b>

### FOOTCANDLE VALUES



0° aiming angle - horizontal surface

Distance from source	Beam Diameter	Center Beam (FC)
4'	5.0'	50
6'	7.5'	22
8'	10.0'	13
10'	12.5'	8

Footcandle results based on AGI32; Reflectances=0/0/0; LLF=1

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

# id<sup>+</sup> 4.5" x 4.5"

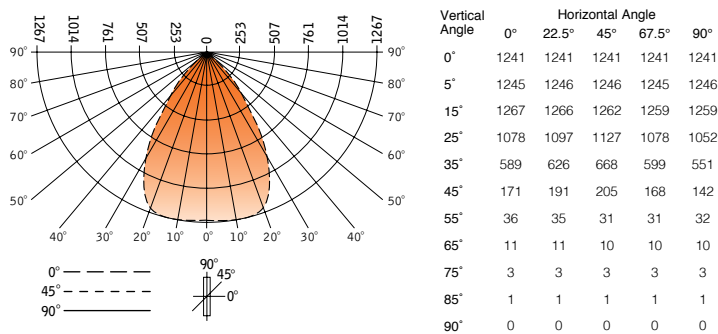
LED DOWNLIGHT

## FLC44D-SO-1500L-120-L11-T / LC44-SO-1500L-35K/40K-DN-CD-NP

Filename: FLC44DSO1500L\_35K\_40K\_DNCD.IES  
Test #: 1100920

Lumens: 1545lm  
System Watts: 21W  
LPW: 74

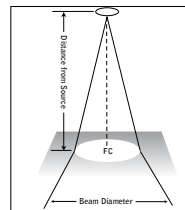
### CANDELPWER DISTRIBUTION



### LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30°	968	62.7
0-40°	1350	87.4
0-60°	1530	99.0
0-90°	1545	100.0
<b>Total Luminaire</b>	<b>0-180°</b>	<b>1545</b>

### FOOTCANDLE VALUES



0° aiming angle - horizontal surface

Distance from source	Beam Diameter	Center Beam (FC)
4'	5.4'	78
6'	8.2'	34
8'	10.9'	19
10'	13.6'	12

Footcandle results based on AGI32; Reflectances=0/0/0; LLF=1

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

# id<sup>+</sup> 4.5" x 4.5"

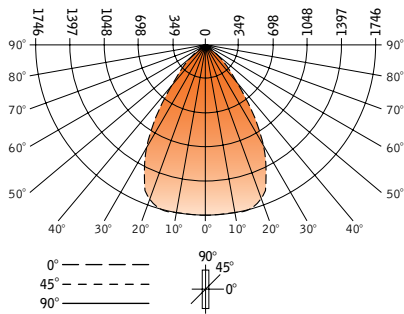
LED DOWNLIGHT

## FLC44D-SO-2000L-120-L11-T / LC44-SO-2000L-35K/40K-DN-CD-NP

Filename: FLC44DSO2000L\_35K\_40K\_DNCD.IES  
Test #: 1117173

Lumens: 2078  
System Watts: 27W  
LPW: 77

### CANDELPower DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	22.5°	45°	67.5°	90°
0°	1740	1740	1740	1740	1740
5°	1744	1741	1742	1742	1746
15°	1743	1733	1728	1730	1737
25°	1443	1466	1515	1456	1428
35°	775	823	880	803	745
45°	210	240	269	225	190
55°	46	44	40	42	44
65°	15	14	13	14	14
75°	4	4	4	4	4
85°	1	2	1	2	1
90°	0	0	0	0	0

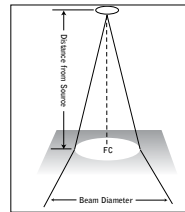
### LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30°	1318	63.4
0-40°	1824	87.8
0-60°	2058	99.0
0-90°	2078	100.0
<b>Total Luminaire 0-180°</b>	<b>2078</b>	<b>100.0</b>

### FOOTCANDLE VALUES

0° aiming angle - horizontal surface

Distance from source	Beam Diameter	Center Beam (FC)
4'	5.3'	109
6'	8.0'	48
8'	10.6'	27
10'	13.3'	17



Footcandle results based on AGI32; Reflectances=0/0/0; LLF=1

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

# id<sup>+</sup> 4.5" x 4.5"

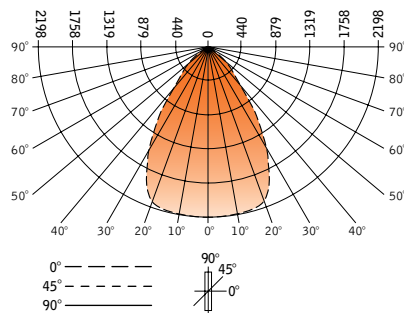
LED DOWNLIGHT

## FLC44D-SO-2500L-120-L11-T / LC44-SO-2500L-35K/40K-DN-CD-NP

Filename: FLC44DSO2500L\_35K\_40K\_DNCD.IES  
Test #: 1117171

Lumens: 2617  
System Watts: 38W  
LPW: 69

### CANDELPower DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	22.5°	45°	67.5°	90°
0°	2191	2191	2191	2191	2191
5°	2198	2193	2194	2194	2198
15°	2197	2184	2176	2179	2188
25°	1822	1848	1908	1835	1798
35°	981	1036	1104	1011	937
45°	262	302	337	283	238
55°	58	56	50	53	55
65°	18	18	17	18	18
75°	5	5	6	5	5
85°	1	2	1	2	1
90°	0	0	0	0	0

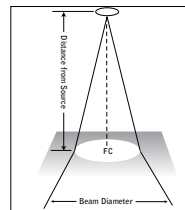
### LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30°	1660	63.4
0-40°	2297	87.8
0-60°	2591	99.0
0-90°	2617	100.0
<b>Total Luminaire 0-180°</b>	<b>2617</b>	<b>100.0</b>

### FOOTCANDLE VALUES

0° aiming angle - horizontal surface

Distance from source	Beam Diameter	Center Beam (FC)
4'	5.4'	137
6'	8.2'	61
8'	10.9'	34
10'	13.6'	22



Footcandle results based on AGI32; Reflectances=0/0/0; LLF=1

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

# id<sup>+</sup> 4.5" x 4.5"

LED DOWNLIGHT

## FLC44D-SO-3000L-120-L11-T / LC44-SO-3000L-35K/40K-DN-CD-NP

Filename: FLC44DSO3000L\_35K\_40K\_DNCD.IES

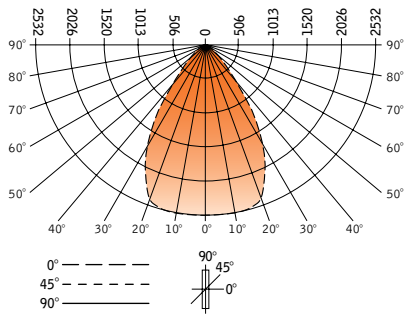
Lumens: 3014

Test #: 1117172

System Watts: 45W

LPW: 67

### CANDELPower DISTRIBUTION

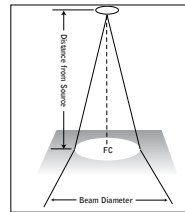


Vertical Angle	Horizontal Angle				
	0°	22.5°	45°	67.5°	90°
0°	2523	2523	2523	2523	2523
5°	2528	2526	2527	2527	2532
15°	2527	2516	2506	2510	2519
25°	2097	2127	2198	2115	2072
35°	1127	1189	1269	1166	1082
45°	301	346	389	327	275
55°	66	65	58	61	63
65°	21	21	19	20	21
75°	6	6	6	6	6
85°	1	2	1	3	2
90°	0	0	0	0	0

### LUMEN SUMMARY

Zone	Lumens	% Fixture	
0-30°	1912	63.4	
0-40°	2645	87.7	
0-60°	2984	99.0	
0-90°	3014	100.0	
<b>Total Luminaire</b>	<b>0-180°</b>	<b>3014</b>	<b>100.0</b>

### FOOTCANDLE VALUES



0° aiming angle - horizontal surface

Distance from source	Beam Diameter	Center Beam (FC)
4'	5.4'	158
6'	8.2'	70
8'	10.9'	39
10'	13.6'	25

Footcandle results based on AGI32; Reflectances=0/0/0; LLF=1

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