

# ID+ 4.5" x 4.5"

LED ADJUSTABLE



white



black



titanium silver

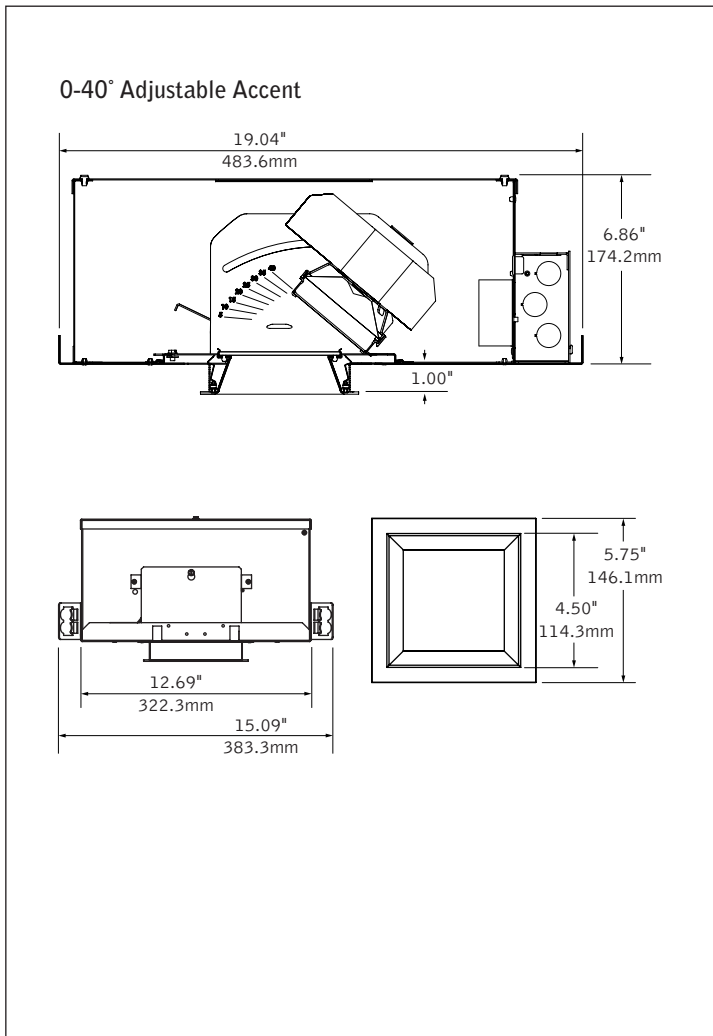


clear diffuse



warm diffuse

## DIMENSIONAL DATA



## FEATURES

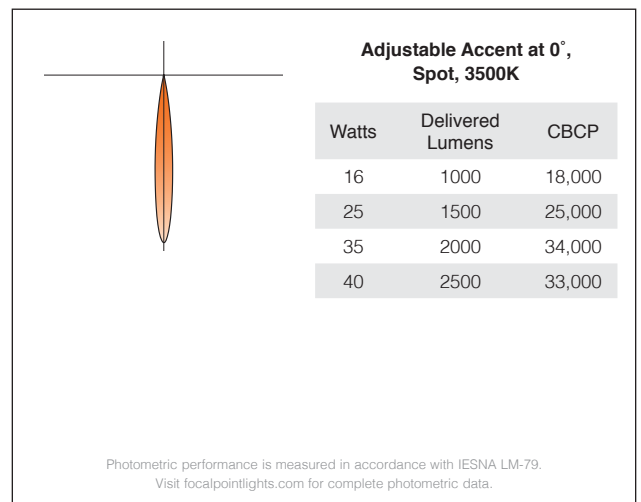
10° beam is ideal for art and object accenting, additional beamreads up to 40° complement any application.

Allows for aiming with locking 40° vertical tilt and 360° rotation of light module.

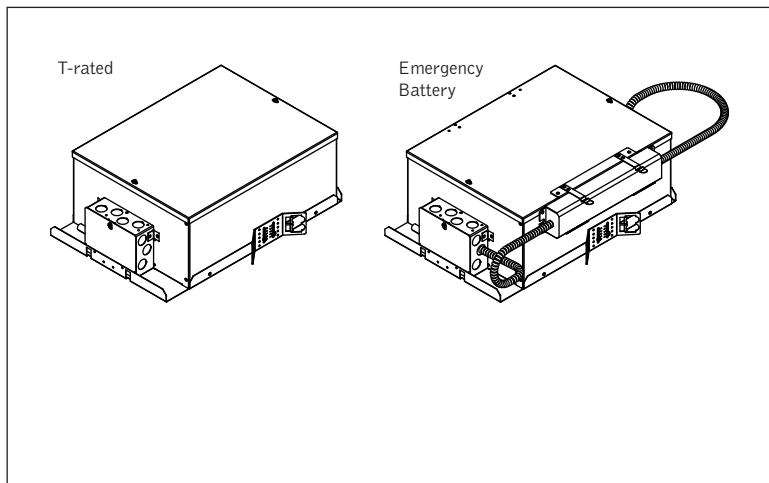
Center Beam Optic allows maximum light output at all tilt angles.

Selection of dimming drivers available.

## PERFORMANCE



**HOUSING DETAILS**



**HOUSING SPECIFICATIONS**

**LED System**

Proprietary LED module with single light emitting source. May be specified in 2700K, 3000K, 3500K or 4000K in CRI>80 or CRI>90. Color accuracy within 2 SDCM. Aluminum heat sink provides appropriate thermal management.

**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. Extruded aluminum heat sink designed for maximum thermal dissipation. Die-formed housing and integral junction box with (9) 1/2" pry outs. UL & cUL listed for (8) #12 AWG (4 in, 4 out) 90°C conductors and feed through—branch wiring. Accommodates ceiling thicknesses up to 1.85" maximum. Fixture will not exceed 15 lb.

**Adjustment**

Manual locking 40° vertical tilt and 360° rotation of light module.

**Electrical**

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

**Emergency Battery**

Bodine BSL17-C2. Emergency output—7W for 90 minutes. Maximum mounting height: 20ft. Above ceiling access only.

**Labels**

UL and cUL listed. Suitable for Dry or Damp Locations, indoor use only. Lensed options Wet Listed.

**Lumen Maintenance**

Reported: L80 at >36,000 hours      Calculated: L80 at 102,000 hours  
 Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.

**Reliability**

At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

**Warranty**

LED System rated for operation in ambient environments up to 35°C. 5-year limited warranty.

**TRIM SPECIFICATIONS**

**Aesthetics**

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

**Optics**

Beamspreads achieved with optical filters that may be easily changed in field.

**PERFORMANCE CHART**

See Page 3

**HOUSING ORDERING**

<b>Housing Series</b>	<b>FLCS44</b>
ID+ 4.5" Square Housing	FLCS44
<b>Trim Type</b>	
Square Flush	SF
Square Overlay	SO
<b>Lumen Output</b>	
1000 Lumens	1000L
1500 Lumens	1500L
2000 Lumens	2000L
2500 Lumens	2500L
<b>Color Temperature</b>	
2700K, 80+ CRI or 90+ CRI	27K or 927K
3000K, 80+ CRI or 90+ CRI	30K or 930K
3500K, 80+ CRI or 90+ CRI	35K or 935K
4000K, 80+ CRI or 90+ CRI*	40K or 940K*
(*Not available with 2000 or 2500 lumens)	
<b>Distribution</b>	
Spot	SP
Narrow Flood	NFL
Flood	FL
Linear Spread Lens	LS
<b>Voltage</b>	
120V	120
277V	277
<b>Driver</b>	
0-10V - 1% Dimming	L11
<small>(Not available with 2500L)</small>	
0-10V - 10% Dimming	LD1
Lutron Hi-Lume EcoSystem (LDE1)	
- 1% Dimming	LH1
<small>(Not available with 2500L)</small>	
Lutron 5-Series EcoSystem (LDE5)	
- 5% Dimming	LU5
<small>(Available with 1000L &amp; 1500L)</small>	
DALI - 1% Dimming	D11
DMX - 3-Channel, 0% Dimming	MZ3
<b>Housing Type</b>	<b>T</b>
Thermally Protected, Non-IC	T
<b>Factory Options</b>	
Bar Hangers	BH
Chicago Plenum / National Plenum	CP
Emergency Battery with Remote Test Switch	EMR
<small>(Above ceiling access only, Not available with 2500L, SF trim or Chicago Plenum / National Plenum)</small>	
<b>TRIM ORDERING</b>	<b>LCS44</b>
<b>Aperture</b>	
4.5" Square Aperture	LCS44
<b>Trim Type</b>	<b>SQ</b>
Square	SQ
<b>Optic</b>	
Adjustable Accent	AA
<small>(Solite lens standard)</small>	
Downlight	DN
Downlight - Regress Clear Lens	CL
Downlight - Regress Solite Lens	SL
<b>Color</b>	
Clear Diffuse	CD
Warm Diffuse	WD
<b>Flange Finish</b>	
White	WH
Black	BK
Titanium Silver	TS
<b>ACCESSORIES</b>	
<small>(One kit included per order as indicated in Distributor above. Order additional kits to change distribution in the field as needed.)</small>	
Spot Kit	FLCS44-SPK
Narrow Flood Kit	FLCS44-NFLK
Flood Kit	FLCS44-FLK
Linear Spread Kit	FLCS44-LSK

**PERFORMANCE CHART - VARIABLE BEAM DOWNLIGHT AT 0°**

Lumen Output	Distribution	Delivered Lumens	System Watts	Beamspread	Center Beam Candlepower (CBCP)
1000 Lumens	Spot	1000	16	10°	18,000
	Narrow Flood	850	16	25°	4,500
	Flood	800	16	40°	1,500
1500 Lumens	Spot	1500	25	10°	25,000
	Narrow Flood	1200	25	25°	6,500
	Flood	1000	25	40°	2,500
2000 Lumens	Spot	2000	36	10°	34,000
	Narrow Flood	1500	36	25°	9,000
	Flood	1500	36	40°	3,200
2500 Lumens	Spot	2500	42	10°	33,000
	Narrow Flood	2000	42	25°	8,500
	Flood	1900	42	40°	3,000

Lumen output may vary +/- 5%. 3500K & 4000K Color Temperature. 2700K & 3000K multiplier: 0.9344

**PERFORMANCE CHART - ADJUSTABLE ACCENT AT 30°**

Lumen Output	Distribution	Delivered Lumens	System Watts	Beamspread	Center Beam Candlepower (CBCP)
1000 Lumens	Spot	750	16	10°	9,000
	Narrow Flood	600	16	25°	3,000
	Flood	500	16	40°	1,000
1500 Lumens	Spot	950	25	10°	10,400
	Narrow Flood	800	25	25°	3,500
	Flood	700	25	40°	1000
2000 Lumens	Spot	1,400	36	10°	17,300
	Narrow Flood	1,100	36	25°	5,700
	Flood	1,100	36	40°	1,600
2500 Lumens	Spot	1,800	42	10°	18,000
	Narrow Flood	1,400	42	25°	6,400
	Flood	1,200	42	40°	2,500

Lumen output may vary +/- 5%. 3500K & 4000K Color Temperature. 2700K & 3000K multiplier: 0.9344 .

# ID+ 4.5" x 4.5"

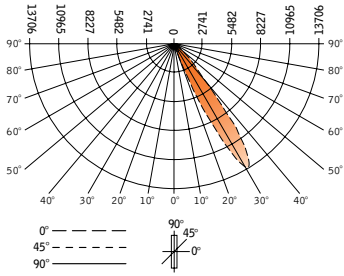
LED ADJUSTABLE ACCENT - SPOT

## FLCS44-SO-2000L-35K-SP-LD1-T / LCS44-SQ-AA-CD-NP

Filename: FLCS44SO2000L35KSPAACD.IES  
Test #: 1056493

Lumens: 1413lm  
System Watts: 36W  
LPW: 39

### CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	45°	90°	135°	180°
0°	394	394	394	394	394
5°	277	318	322	264	241
15°	561	201	96	106	122
25°	9455	207	43	42	58
35°	13706	181	17	19	35
45°	2003	45	6	10	18
55°	239	11	2	5	8
65°	26	2	0	2	8
75°	0	0	0	0	6
85°	0	0	0	0	2
90°	0	0	0	0	0

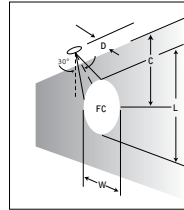
### LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30°	545	38.6
0-40°	1220	86.4
0-60°	1407	99.6
0-90°	1413	100.0
<b>Total Luminaire 0-90°</b>	<b>1413</b>	<b>100.0</b>

### FOOTCANDLE VALUES

30° aiming angle - vertical surface

D	C	FC	L	W
18"	2.3'	626	1.2'	1.1'
24"	2.8'	407	1.7'	1.2'
30"	3.3'	300	2.0'	1.3'
36"	4.8'	214	2.4'	1.5'



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+ 4.5" x 4.5"

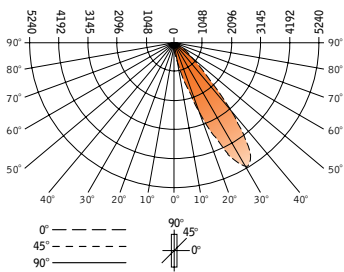
LED ADJUSTABLE ACCENT - NARROW FLOOD

## FLCS44-SO-2000L-35K-NFL-LD1-T / LCS44-SQ-AA-CD-NP

Filename: FLCS44SO2000L35KNFLAACD.IES  
Test #: 1056490

Lumens: 1144lm  
System Watts: 36W  
LPW: 32

### CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	45°	90°	135°	180°
0°	271	271	271	271	271
5°	322	284	252	238	227
15°	1424	478	148	125	126
25°	4667	623	75	56	65
35°	5240	371	30	25	34
45°	1677	114	10	11	17
55°	310	29	2	4	7
65°	36	3	0	1	5
75°	0	0	0	0	3
85°	0	0	0	0	0
90°	0	0	0	0	0

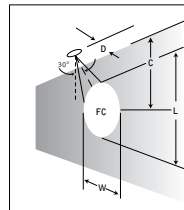
### LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30°	486	42.4
0-40°	908	79.4
0-60°	1137	99.4
0-90°	1144	100.0
<b>Total Luminaire 0-90°</b>	<b>1144</b>	<b>100.0</b>

### FOOTCANDLE VALUES

30° aiming angle - vertical surface

D	C	FC	L	W
18"	2.2'	274	1.6'	1.3'
24"	2.8'	177	2.1'	1.5'
30"	3.3'	118	2.6'	1.9'
36"	4.2'	86	3.0'	2.1'



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

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# ID+ 4.5" x 4.5"

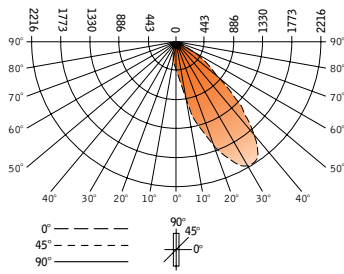
LED ADJUSTABLE ACCENT - FLOOD

## FLCS44-SO-2000L-35K-FL-LD1-T / LCS44-SQ-AA-CD-NP

Filename: FLCS44SO2000L35KFLAACD.IES  
Test #: 1056491

Lumens: 1066lm  
System Watts: 36W  
LPW: 30

### CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	45°	90°	135°	180°
0°	430	430	430	430	430
5°	618	533	417	354	335
15°	1351	825	323	214	197
25°	2053	946	184	104	104
35°	2216	674	76	43	49
45°	1375	308	24	16	23
55°	460	90	4	6	10
65°	63	9	0	3	7
75°	0	0	0	0	3
85°	0	0	0	0	0
90°	0	0	0	0	0

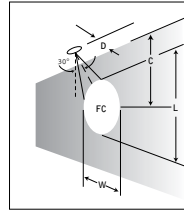
### LUMEN SUMMARY

Zone	Lumens	% Fixture	
0-30°	462	43.3	
0-40°	767	71.9	
0-60°	1051	98.5	
0-90°	1066	100.0	
<b>Total Luminaire</b>	<b>0-90°</b>	<b>1066</b>	<b>100.0</b>

### FOOTCANDLE VALUES

30° aiming angle - vertical surface

D	C	FC	L	W
18"	1.8'	165	1.7'	1.6'
24"	2.2'	98	2.2'	2.0'
30"	2.8'	65	2.8'	2.5'
36"	3.3'	46	3.4'	3.1'



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

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# ID+ 4.5" x 4.5"

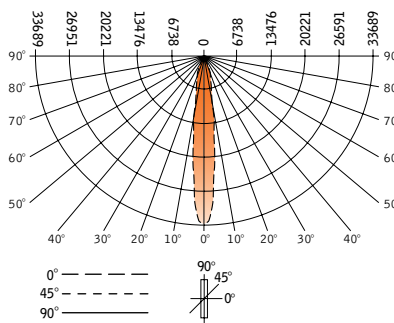
LED DOWNLIGHT - SPOT

## FLCS44-SO-2000L-35K-SP-LD1-T / LCS44-SQ-DN-CD-NP

Filename: FLCS44SO2000L35KSPDNCD.IES  
Test #: 1055576

Lumens: 1948lm  
System Watts: 36W  
LPW: 54

### CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle	
	0°	90°
0°	33689	
5°	23756	
15°	829	
25°	237	
35°	30	
45°	15	
55°	3	
65°	1	
75°	0	
85°	0	
90°	0	

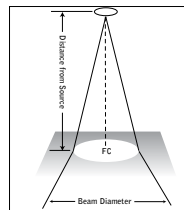
### LUMEN SUMMARY

Zone	Lumens	% Fixture	
0-30°	1873	69.2	
0-40°	1931	99.2	
0-60°	1947	100.0	
0-90°	1948	100.0	
<b>Total Luminaire</b>	<b>0-90°</b>	<b>1948</b>	<b>100.0</b>

### FOOTCANDLE VALUES

0° aiming angle - horizontal surface

Distance from source	Beam Diameter	Center Beam (FC)
4'	0.7'	2105
6'	1.0'	936
8'	1.4'	526
10'	1.7'	337
12'	2.1'	234



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

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