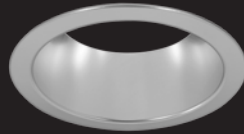


# ID+ 4.5"

LED ADJUSTABLE



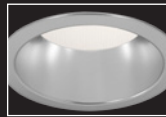
clear diffuse



warm diffuse

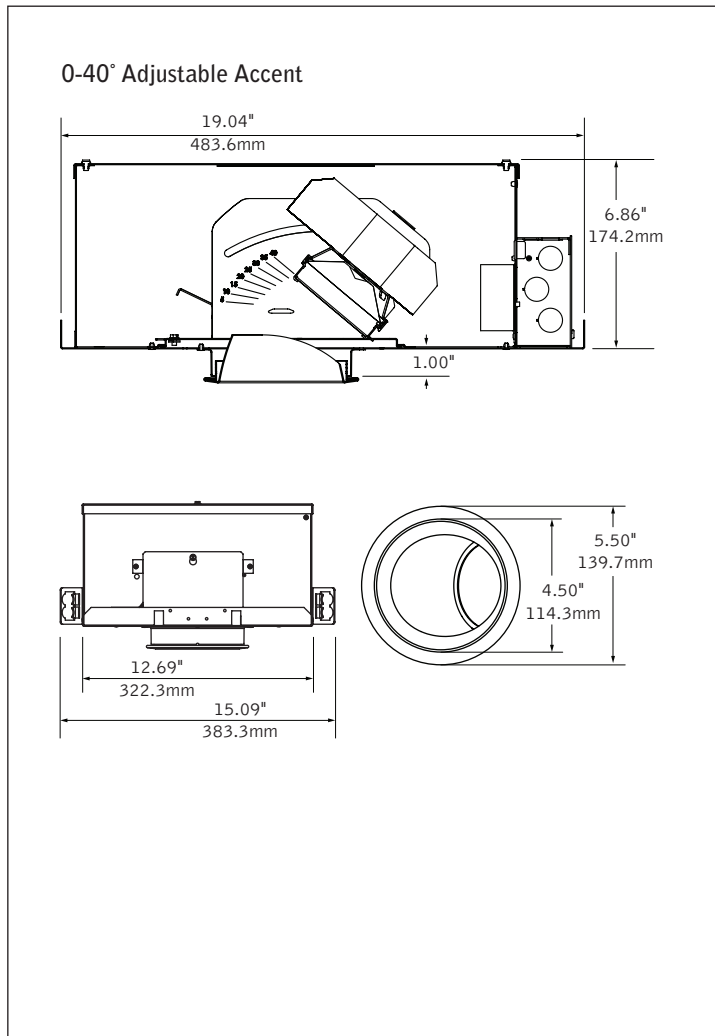


white painted



downlight with solite lens

## DIMENSIONAL DATA



## FEATURES

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

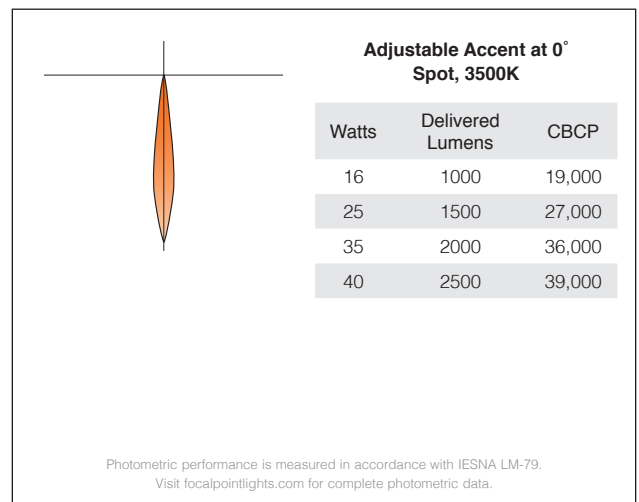
Allows for aiming with locking 40° vertical tilt and 360° rotation of light module.

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

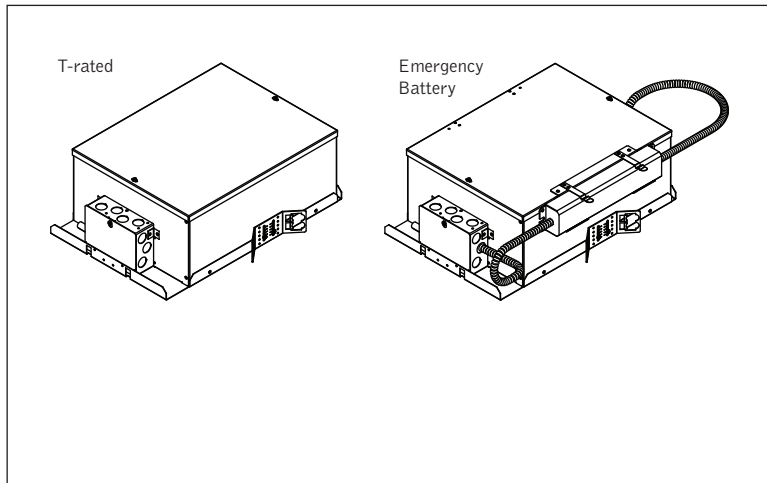
Selection of dimming drivers available.

Self-flanged Clear Diffuse reflector cone features superior brightness control.

## 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 0.5" standard, field adjustable up to 2.5" thickness. For thicker ceiling consult factory. 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**

Calculated: L80 at 102,000 hours      Reported: L80 at >36,000 hours  
 Derived from EPA TM-21 calculator

**Warranty**

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

**TRIM SPECIFICATIONS**

**Aesthetics**

Parabolic reflector cone ensures glare free optics. Reflector is .040 spun aluminum. Torsion springs pull trim tight to the ceiling with no visible fasteners within the trim. Overlap trims are self-flanged. Non-painted trim matches reflector finish. White painted flange may also be specified.

**Optics**

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

**PERFORMANCE CHART**

See Page 3

**HOUSING ORDERING**

<b>Housing Series</b>	ID+ 4.5" Round Housing	<b>FLCS4</b>
<b>Trim Type</b>	Round Flush Round Overlap	RF RO
<b>Lumen Output</b>	1000 Lumens 1500 Lumens 2000 Lumens 2500 Lumens	1000L 1500L 2000L 2500L
<b>Color Temperature</b>	2700K 2700K, 90 CRI 3000K 3000K, 90 CRI 3500K 3500K, 90 CRI 4000K 4000K, 90 CRI	27K 927K 30K 930K 35K 935K 40K 940K
<small>(Not available with 2000 or 2500 lumens)</small>		
<b>Distribution</b>	Spot	SP
<small>(Soft focus lens standard. Remove to achieve 10° beam.)</small>		
<b>Spot with Solite Lens</b>	SPA	
<small>(Not available with Regress Lens Optics CL &amp; SL)</small>		
<b>Narrow Flood</b>	NFL	
<b>Flood</b>	FL	
<b>Linear Spread Lens</b>	LS	
<b>Voltage</b>	120V 277V	
<b>Driver</b>	0-10V - 1% Dimming 0-10V - 10% Dimming Lutron A-Series - 1% EcoSystem Digital <small>(Not available with 2500L. Consult factory for 3-wire control)</small> Lutron H-Series - 1% Dimming <small>(Not available with 2500L)</small> Lutron 5-Series - 5% EcoSystem Digital <small>(Available with 1000L &amp; 1500L)</small> DALI - 1% Dimming DMX - 3-Channel, 0% Dimming	L11 LD1 L3D LH1 LU5 D11 MZ3
<b>Housing Type</b>	Thermally Protected, Non-IC	T
<b>Factory Options</b>	Bar Hangers Chicago Plenum / National Plenum Emergency Battery with Remote Test Switch <small>(Above ceiling access only. Not available with 2500L, RF trim or Chicago Plenum / National Plenum)</small>	BH CP EMR
<b>TRIM ORDERING</b>		<b>LCS4</b>
<b>Aperture</b>	4.5" Round Aperture	LCS4
<b>Trim Type</b>	Round	RD
<b>Optic</b>	Adjustable Accent Downlight Downlight - Regress Clear Lens Downlight - Regress Solite Lens	AA DN CL SL
<b>Reflector Color</b>	Clear Diffuse Warm Diffuse	CD WD
<b>Flange Finish</b>	Non-Painted White Painted	NP WP
<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>		
<b>Spot Kit</b>	FLCS4-SPK	
<b>Spot with Solite Lens Kit</b>	FLCS4-SPAK	
<b>Narrow Flood Kit</b>	FLCS4-NFLK	
<b>Flood Kit</b>	FLCS4-FLK	

**PERFORMANCE CHART AT 0°**

Lumen Output	Distribution	Delivered Lumens	System Watts	Beamspread	Center Beam Candlepower (CBCP)
1000 Lumens	Spot	1000	16	10°	19,000
	Narrow Flood	850	16	25°	4,500
	Flood	750	16	40°	1,700
1500 Lumens	Spot	1500	25	10°	27,000
	Narrow Flood	1200	25	25°	7,000
	Flood	1100	25	40°	2,500
2000 Lumens	Spot	2000	36	10°	36,000
	Narrow Flood	1500	36	25°	10,000
	Flood	1500	36	40°	3,400
2500 Lumens	Spot	2500	42	10°	39,000
	Narrow Flood	2100	42	25°	12,000
	Flood	2000	42	40°	4,500

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

# ID+ 4.5"

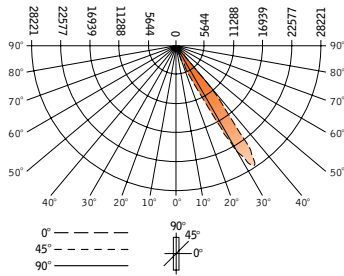
LED ADJUSTABLE ACCENT - SPOT

## FLCS4-RO-2000L-35K-SP-LD1-T / LCS4-RD-AA-CD-NP

Filename: FLCS4RO2000L35KSPAACD.IES  
Test #: 1056478

Lumens: 1674lm  
System Watts: 36W  
LPW: 47

### CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	45°	90°	135°	180°
0°	135	135	135	135	135
5°	276	225	148	196	203
15°	261	273	233	258	235
25°	6055	348	143	111	98
35°	28221	238	39	36	35
45°	1247	41	9	10	10
55°	43	4	1	3	2
65°	4	0	0	0	0
75°	0	0	0	0	0
85°	0	0	0	0	0
90°	0	0	0	0	0

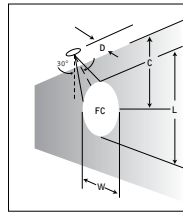
### LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30°	476	28.4
0-40°	1540	92.0
0-60°	1673	99.9
0-90°	1674	100.0
<b>Total Luminaire 0-90°</b>	<b>1674</b>	<b>100.0</b>

### FOOTCANDLE VALUES

30° aiming angle - vertical surface

D	C	FC	L	W
18"	2.2'	1181	0.8'	1.0'
24"	2.7'	761	1.2'	1.1'
30"	3.8'	579	1.4'	1.2'
36"	4.3'	428	1.7'	1.3'



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"

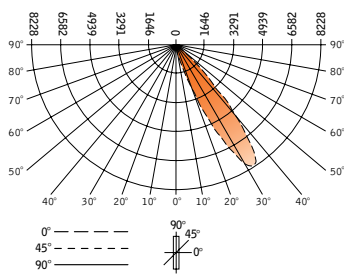
LED ADJUSTABLE ACCENT - NARROW FLOOD

## FLCS4-RO-2000L-35K-NFL-LD1-T / LCS4-RD-AA-CD-NP

Filename: FLCS4RO2000L35KNFLAACD.IES  
Test #: 1056475

Lumens: 1355lm  
System Watts: 36W  
LPW: 38

### CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	45°	90°	135°	180°
0°	178	178	178	178	178
5°	309	259	176	145	141
15°	1284	485	189	174	170
25°	5677	639	142	104	91
35°	8228	405	57	42	39
45°	2213	102	16	14	13
55°	265	20	3	4	3
65°	7	0	0	0	0
75°	0	0	0	0	0
85°	0	0	0	0	0
90°	0	0	0	0	0

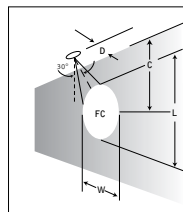
### LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30°	543	40.0
0-40°	1104	81.5
0-60°	1353	99.8
0-90°	1355	100.0
<b>Total Luminaire 0-90°</b>	<b>1355</b>	<b>100.0</b>

### FOOTCANDLE VALUES

30° aiming angle - vertical surface

D	C	FC	L	W
18"	2.2'	397	1.5'	1.2'
24"	2.7'	274	1.8'	1.3'
30"	3.2'	186	2.2'	1.5'
36"	4.3'	134	2.6'	1.8'



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

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# ID+ 4.5"

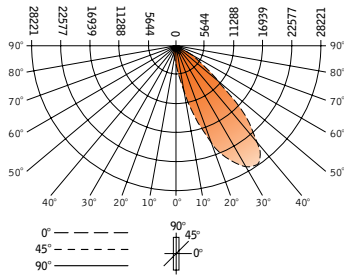
LED ADJUSTABLE ACCENT - FLOOD

## FLCS4-RO-2000L-35K-FL-LD1-T / LCS4-RD-AA-CD-NP

Filename: FLCS4RO2000L35KFLAACD.IES  
Test #: 1056476

Lumens: 1263lm  
System Watts: 36W  
LPW: 35

### CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	45°	90°	135°	180°
0°	405	405	405	405	405
5°	642	541	399	311	289
15°	1502	869	364	241	223
25°	2478	1031	249	165	152
35°	2860	769	132	95	94
45°	1805	339	46	37	34
55°	574	86	9	9	8
65°	42	2	2	2	2
75°	0	0	0	0	0
85°	0	0	0	0	0
90°	0	0	0	0	0

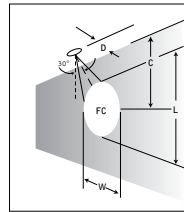
### LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30°	528	41.8
0-40°	911	72.1
0-60°	1254	99.2
0-90°	1263	100.0
<b>Total Luminaire 0-90°</b>	<b>1263</b>	<b>100.0</b>

### FOOTCANDLE VALUES

30° aiming angle - vertical surface

D	C	FC	L	W
18"	1.8'	208	1.6'	1.4'
24"	2.2'	126	2.1'	1.9'
30"	2.7'	83	2.7'	2.3'
36"	3.3'	59	3.1'	2.7'



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

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# ID+ 4.5"

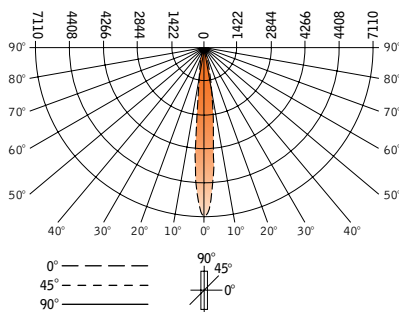
LED DOWNLIGHT - SPOT

## FLCS4-RO-2000L-35K-SP-LD1-T / LCS4-RD-DN-CD-NP

Filename: FLCS4RO2000L35KSPDNCD.IES  
Test #: 1055570

Lumens: 1952lm  
System Watts: 36W  
LPW: 54

### CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle
	0°
0°	27415
5°	33662
15°	2833
25°	197
35°	22
45°	6
55°	2
65°	0
75°	0
85°	0
90°	0

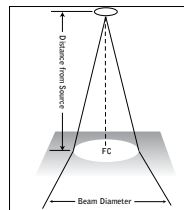
### LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30°	1927	98.8
0-40°	1947	99.8
0-60°	1951	100.0
0-90°	1952	100.0
<b>Total Luminaire 0-90°</b>	<b>1952</b>	<b>100.0</b>

### FOOTCANDLE VALUES

0° aiming angle - horizontal surface

Distance from source	Beam Diameter	Center Beam (FC)
4'	0.7'	2213
6'	1.0'	984
8'	1.4'	553
10'	1.7'	354
12'	2.1'	246



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

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