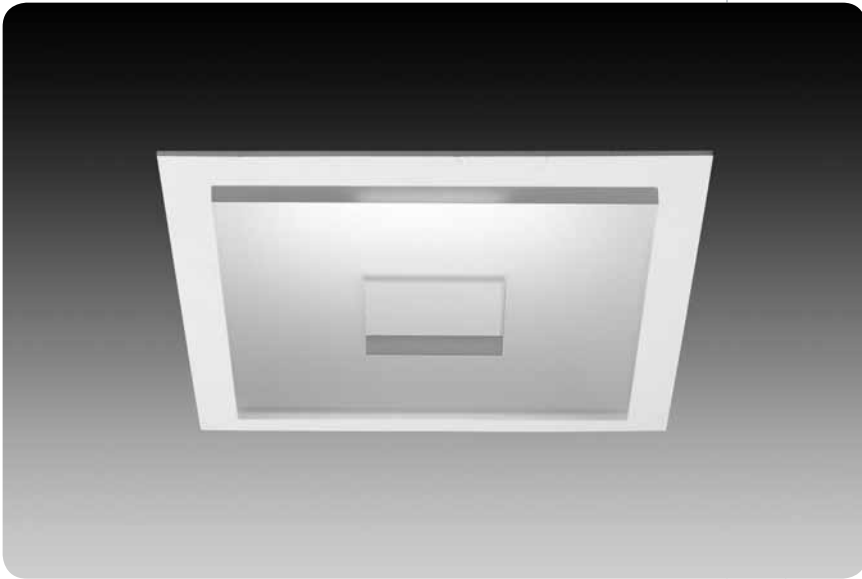


4.5" x 4.5" aperture
id®



Patent Pending

features

Solid Frosted Lens provides a soft glow while the Open Frosted Lens with polished edge provides a unique visual aesthetic.

Housing design allows die-cast trim flange to rotate to align with architecture and adjacent luminaires, a fixed option is also available.

LED module features remote phosphor technology enabling a high system efficacy and minimum 80 CRI.

Future-proof LED system design maintains form factor, lumen output, and thermal characteristics of module and driver as technology advances, allows for easy replacement and upgrades.

Intelligent driver delivers specified lumen output regardless of color temperature.

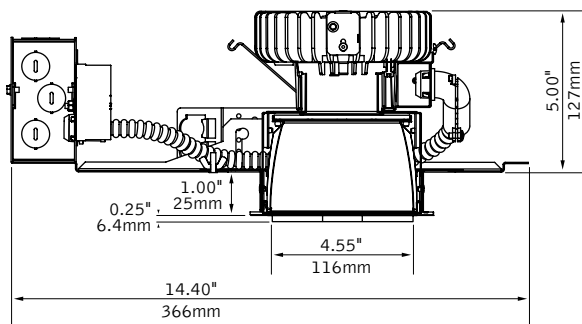
Flicker-free 0-10V analog dimming capability standard.

Rated life is 50,000 hours at 70% lumen maintenance (L70).

5 year limited warranty.

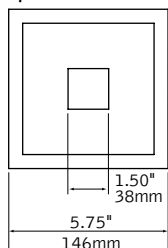
dimensional data

S decorative lens downlight

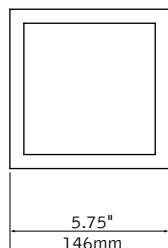


note: FL44F housing height is 5.68".

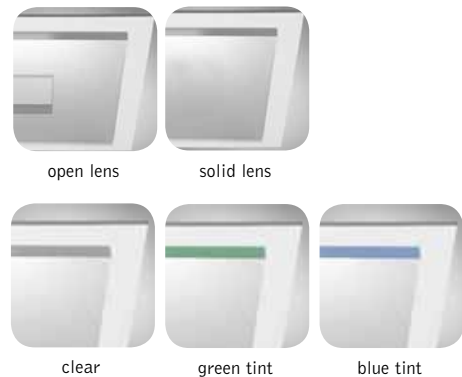
trim open lens



solid lens



lens options

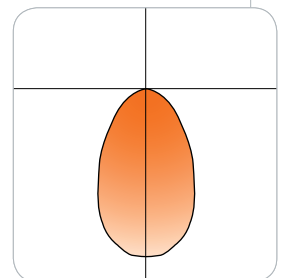


performance

3500K, 1300 Lumen LED Module
Lens with 1.5" Opening, Clear
Total Luminaire Output: 1006lms
Photometric performance is measured in accordance with IESNA LM-79.



Use 1300 lumen LED downlight in place of a 6" 32W compact fluorescent



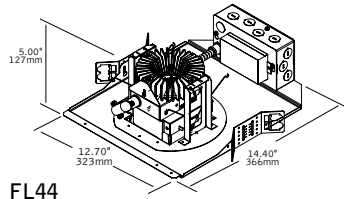
Visit focalpointlights.com for complete photometric data.

april 2012 K

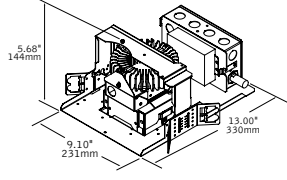
fixture:

project:

details



FL44



FL44F

housing specifications

led system

Powered by Philips' Fortimo™ LED DLM, Advance Xitanium LED driver and communication cable. Aluminum heat sink provides appropriate thermal management. System is future-proof, allowing for easy replacement and upgrades as LED technology advances.

led module

Philips' Fortimo™ LED DLM features patented remote phosphor technology for superior efficacy and color consistency. Module may be specified in 3000K, 3500K or 4000K, CRI>80.

construction

Thermally protected housing for new construction applications. Insulation to be kept 3" away from housing. Butterfly brackets allow mounting to ½ 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. Accommodates ceiling thicknesses up to 1" (FL44) or 2" (FL44F). For thicker ceiling consult factory. Fixture will not exceed 5 lb.

electrical

Advance Xitanium multi-volt 120V-277V constant current driver includes standard 0-10V analog dimming. Power factor >.9 typical, 50/60Hz., 200-700mA, input power range, 17-23.5w. "Thermal Guard" offers protection from overheating in abnormal conditions; driver will dim DLM if necessary. Voltage specific thermal protectors included standard.

Color Temp	Rated System Watts	Delivered Lumens/ Lumens	Delivered Lumens/ Watts	Color Temp	Rated System Watts	Delivered Lumens/ Lumens	Delivered Lumens/ Watts
Open Lens				Solid Lens			
1300 Lumen Module				1300 Lumen Module			
3000K	19.0	1005.7	42.8	3000K	23.5	998.8	42.5
3500K	18.0	1005.7	43.7	3500K	23.0	998.8	43.4
4000K	17.0	1005.7	47.9	4000K	21.0	998.8	47.6

*Lumen rating based on Clear Diffuse reflector cone

*Lumen output may vary +/- 5%

*Actual wattage may vary +/- 5%

*Module output is identical for all available color temperatures.

dimming

0-10V DC low voltage dimming capability is included with the standard Advance Xitanium driver. Dimming range is to 10% light output, some dimmers may require high and/or low end trim adjustment for proper function. Consult the [ID LED Technical Guide](#) for compatible dimmers and control systems.

labels

UL and cUL Listed. Lensed trims suitable for Wet Location.

lifetime & warranty

LED System rated for 50,000 hours at 70% lumen output (L70). Rated life and lumen output based on maximum temperature of 65°C at Tc point on LED module. If Tc temperature rises above rated maximum due to end use conditions, lifetime and lumen output may decrease. 5 year limited warranty on LED system provided by Philips.

trim specifications

aesthetics

High reflectance white lower reflector fastened to frosted .220" thick acrylic. Available colors include clear, green or blue. Reflector attaches to die-cast, seamless flange that may be removed for field painting. Torsion springs pull trim tight to the ceiling. Trim position rotates up to 110° for alignment with architecture and adjacent fixtures (FL44).

housing ordering

housing series		
ID LED Square with rotating trim alignment feature	FL44	_____
ID LED Square with fixed aperture	FL44F	_____

led module		
1100 Lumen LED Module	11LED	_____
1300 Lumen LED Module	13LED	_____

color temperature		
3000K	L30	_____
3500K	L35	_____
4000K	L40	_____

voltage		
120V	120	_____
277V	277	_____

trim type		S0
Square Overlap	S0	_____

housing type		T
Thermally Protected, Non-IC	T	_____

factory options		
Bar Hangers	BH	_____
Chicago Plenum	CP	_____
Lutron EcoSystem Translator	TVE	_____

trim ordering

aperture		L44
4.5" Square Reflector	L44	_____

trim type		S0
Square Overlap	S0	_____

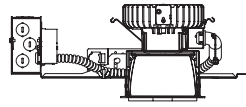
optic		
Solid Lens, Clear	C	_____
Solid Lens, Green Edge Tint	G	_____
Solid Lens, Blue Edge Tint	B	_____
Lens with 1.5" Opening, Clear	OC	_____
Lens with 1.5" Opening, Green Edge Tint	OG	_____
Lens with 1.5" Opening, Blue Edge Tint	OB	_____

flange finish		
White	WH	_____
Black	BK	_____
Titanium Silver	TS	_____
Aluminum Raw	AL	_____

a complete unit consists of two line items, housing and trim
example: FL44-13LED-L30-120-S0-T | L44-S0-C-WH

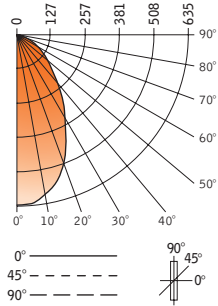


4.5" x 4.5" – open lens
id®



Filename: FL440C13LEDL35.IES
Catalog #: FL44-13LED-L35-120-S0-T, D44-S0-0C-WH
Photometric Report #: 21563

CANDLEPOWER DISTRIBUTION



Vertical Angle	0°	Zonal Lumens
0°	642	
5°	638	60
15°	572	161
25°	433	209
35°	297	200
45°	188	154
55°	121	111
65°	68	68
75°	30	33
85°	8	10
90°	1	

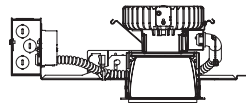
Spacing Criteria:
1.0

LUMEN SUMMARY

	Zone Lumens	% Fixt
0°-30°	430	42.8
0°-40°	630	62.6
0°-60°	894	88.9
0°-90°	1005.7	100.0
Total Luminaire	0°-90°	1005.7 100.0

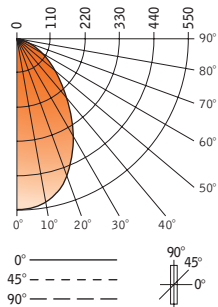
Go to www.focalpointlights.com for additional photometric data.

4.5" x 4.5" – solid lens
id®



Filename: FL44C13LEDL35.IES
Catalog #: FL44-13LED-L35-120-S0-T, D44-S0-C-WH
Photometric Report #: 21562

CANDLEPOWER DISTRIBUTION



Vertical Angle	0°	Zonal Lumens
0°	553	
5°	550	52
15°	511	144
25°	422	196
35°	305	196
45°	203	163
55°	128	119
65°	74	76
75°	36	40
85°	10	13
90°	2	

Spacing Criteria:
0.9

LUMEN SUMMARY

	Zone Lumens	% Fixt
0°-30°	391	39.2
0°-40°	588	58.8
0°-60°	870	87.1
0°-90°	999	100.0
Total Luminaire	0°-90°	999 100.0

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