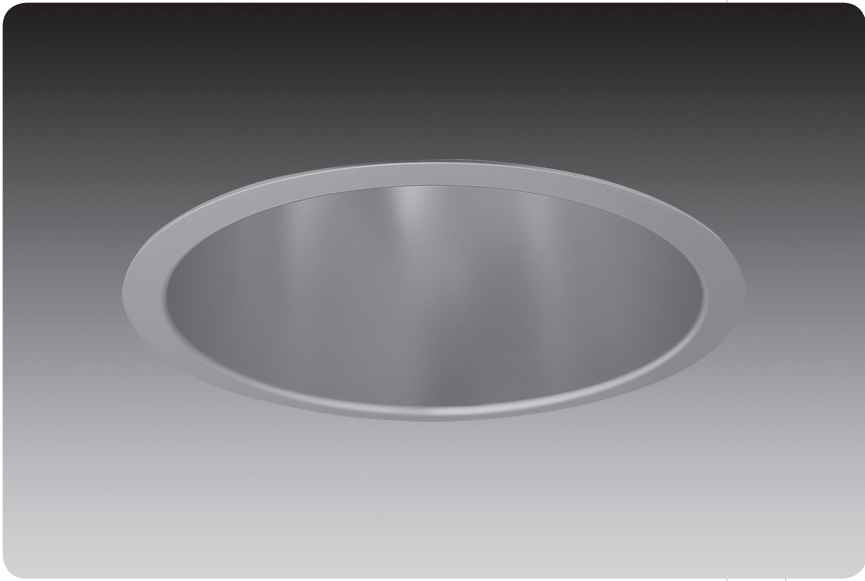


6" – led downlight

id®



features

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

1100, 1300 & 2000 lumen LED modules available.

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

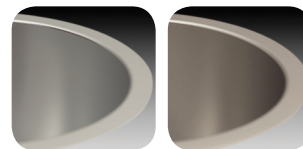
5 year limited warranty.

Constant current driver senses LED module characteristics and delivers the designed output regardless of color temperature

Flicker-free 0-10V analog dimming capability standard

Self-flanged Clear Diffuse reflector cone features superior brightness control and 50 degree cutoff to light source and its image

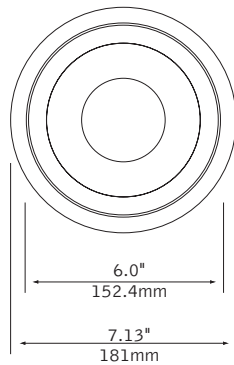
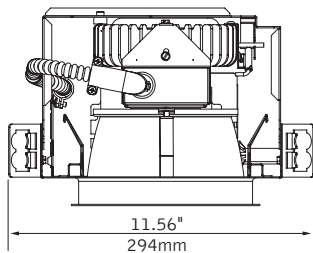
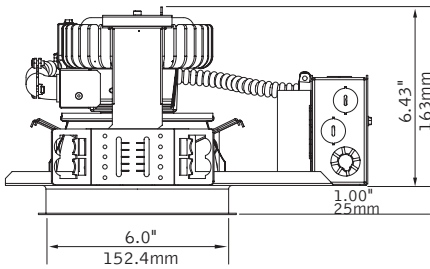
reflector options



clear diffuse

warm diffuse

dimensional data



performance

38W, 3000K, 2000 Lumen LED Module

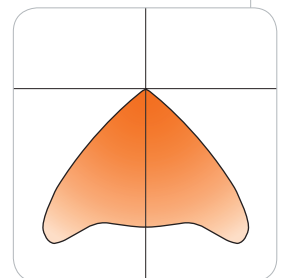
Clear Diffuse Reflector

Total Luminaire Output: 1684lms

Photometric performance is measured in accordance with IESNA LM-79.



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

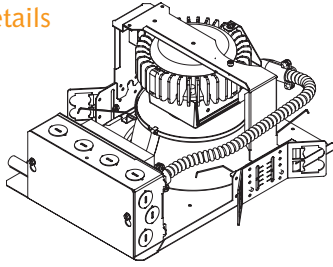


Visit focalpointlights.com for complete photometric data.

fixture:

project:

details



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". 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, 19.9—37.7w. 120-277v<15% THD @ 100% power <20% THD when dimming. "Thermal Guard" offers protection from overheating in abnormal conditions; driver will dim DLM if necessary. Voltage specific thermal protectors included standard. 2000 lumen versions integrate fanless active cooling solution designed for operation by the Fortimo LED system.

1100 Lumen Module

Color Temp	Rated System		Delivered Lumens/ Watt
	Watts	Lumens	
3000K	19.0	947	49.8
3500K	18.0	947	52.6
4000K	17.0	947	55.7

1300 Lumen Module

Color Temp	Rated System		Delivered Lumens/ Watt
	Watts	Lumens	
3000K	23.5	1114	47.4
3500K	23.0	1114	48.4
4000K	21.0	1114	53.0

2000 Lumen Module

Color Temp	Rated System		Delivered Lumens/ Watt
	Watts	Lumens	
3000K	36.5	1684	46.1
3500K	34.5	1684	48.8
4000K	33.5	1684	50.3

*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

Parabolic reflector cone ensures glare free optics. Reflector is .050 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

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

housing ordering

housing series		<u>FL6D</u>
ID LED Round	FL6D	
lamp		
1100 Lumen LED Module	11LED	
1300 Lumen LED Module	13LED	
2000 Lumen LED Module	20LED	
color temperature		
3000K	L30	
3500K	L35	
4000K	L40	
voltage		
120V	120	
277V	277	
trim type		<u>R0</u>
Round Overlap	R0	
housing type		<u>T</u>
Thermally Protected, Non-IC	T	
factory options		
Chicago Plenum (not available with 2000 Lumen Module)	CP	
trim ordering		
aperture		<u>L6</u>
6" Round Reflector	L6	
trim type		<u>R0</u>
Round Overlap	R0	
optic		
Downlight	DN	
Regress Frosted Lens (wet location)	RL	
color		
Clear Diffuse	CD	
Warm Diffuse	WD	
flange finish		
Non-Painted	NP	
White Painted	WP	

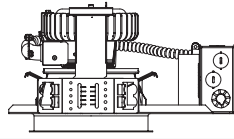
a complete unit consists of two line items, housing and trim

example:

FL6D-13LED-L30-120-R0-T
L6-R0-DN-CD-NP

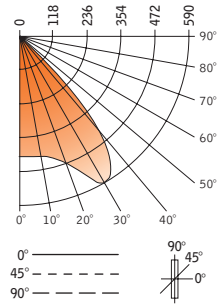


6" – led downlight
id®



Filename: FL6DNCD11LEDL30.IES
Catalog #: FL6D-11LED-L30-R0-T, L6-R0-DN-CD
Photometric Report #: 15865

CANDLEPOWER DISTRIBUTION



Vertical Angle	0°	Zonal Lumens
0°	417	
5°	420	40
15°	436	124
25°	533	247
35°	551	346
45°	208	161
55°	24	21
65°	6	6
75°	2	2
85°	0	0
90°	0	0

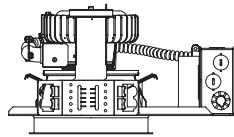
LUMEN SUMMARY

Zone	Lumens	% Fixt
0°-30°	411	43.4
0°-40°	756	79.9
0°-60°	938	99.1
0°-90°	947	100.0
Total Luminaire	0°-90° 947	100.0

Spacing Criteria:
1.6

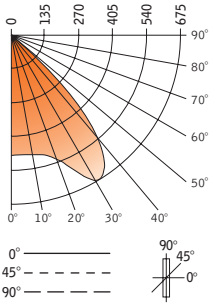
Go to www.focalpointlights.com for additional photometric data.

6" – led downlight
id®



Filename: FL6DNCD13LEDL30.IES
Catalog #: FL6D-13LED-L30-R0-T, L6-R0-DN-CD
Photometric Report #: 15866

CANDLEPOWER DISTRIBUTION



Vertical Angle	0°	Zonal Lumens
0°	483	
5°	483	46
15°	498	141
25°	599	277
35°	649	408
45°	267	206
55°	28	25
65°	8	8
75°	2	3
85°	0	0
90°	0	0

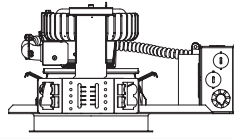
LUMEN SUMMARY

Zone	Lumens	% Fixt
0°-30°	464	41.7
0°-40°	872	78.3
0°-60°	1104	99.1
0°-90°	1114	100.0
Total Luminaire	0°-90° 1114	100.0

Spacing Criteria:
1.7

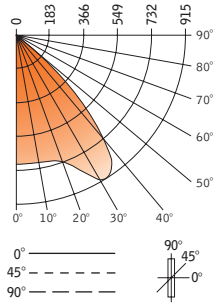
Go to www.focalpointlights.com for additional photometric data.

6" – led downlight
id®



Filename: FL6DNCD20LEDL30.IES
Catalog #: FL6D-20LED-L30-R0-T, L6-R0-DN-CD
Photometric Report #: 21561

CANDLEPOWER DISTRIBUTION



Vertical Angle	Zonal Lumens
0°	714
5°	714 68
15°	721 206
25°	820 385
35°	917 561
45°	492 371
55°	69 72
65°	17 17
75°	4 5
85°	0 0
90°	0

LUMEN SUMMARY

Zone	Lumens	% Fixt
0°-30°	686	39.1
0°-40°	1219	72.4
0°-60°	1662	98.7
0°-90°	1684	100.0
Total Luminaire	0°-90° 1684	100.0

Spacing Criteria:
1.4