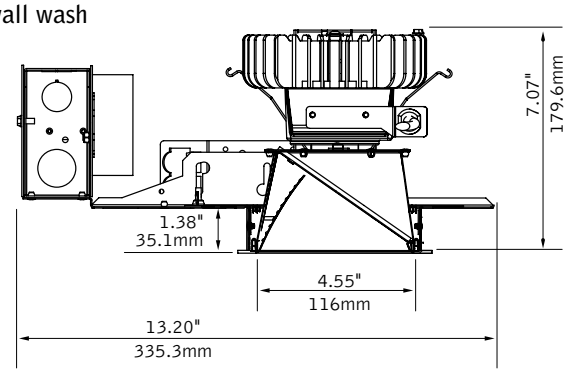
id® 4.5" x 4.5"

LED - REMOTE PHOSPHOR WALL WASH

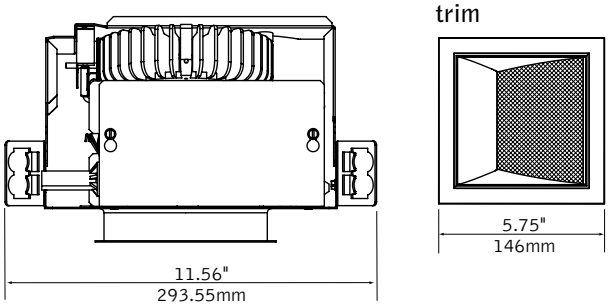
DIMENSIONAL DATA

wall wash



note: FL44FT housing height is 7.96".

trim



FEATURES

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

Intelligent driver delivers specified lumen output regardless of color temperature.

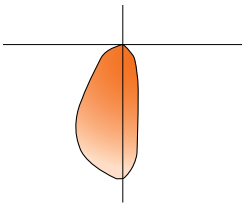
Flicker-free 0-10V analog dimming capability standard.

Low profile housing.

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

Angled MicroGlow lens redirects light to deliver asymmetric distribution.

PERFORMANCE



Clear Diffuse Reflector
3000k, 1500 Lumen LED Module

Delivered Lumens: 966lm

Total System Watts: 21W

PRODUCT OVERVIEW

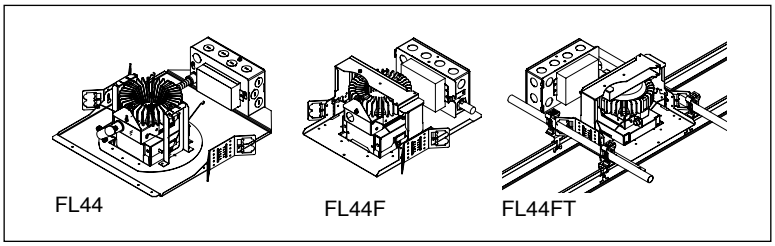
Lumen Output:	751-1308lm
Wattage:	16-29W
LPW:	46
SDCM:	3
Lumen Maintenance:	L70 @ 50,000hrs

ENERGY STAR

Photometric performance is measured in accordance with IESNA LM-79.
Visit focalpointlights.com for complete photometric data.

fixture: project:

HOUSING TYPES (Note: Wall wash must be positioned perpendicular to length of technical zone.)



HOUSING SPECIFICATIONS

LED System

Powered by Philips' Fortimo™ LED DLM, Advance Xitanium LED driver and communication cable. Aluminum heat sink provides appropriate thermal management.

LED Module

Philips' Fortimo™ LED DLM features patented remote phosphor technology for superior efficacy and color consistency. Module may be specified in 3000K or 3500K, 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) ½" pry outs. Accommodates ceiling thicknesses up to 1" (FL44) or 2" (FL44F/FL44FT). FL44FT housing includes mounting clips to integrate between 6" on center tees. Fixture will not exceed 5 lb. 18" O.C. fixture to wall and 36" O.C. fixture to fixture spacing required.

Electrical

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

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.

Labels

UL and cUL listed. Suitable for Dry or Damp Locations, indoor use only. Lensed trims suitable for Wet Location.

Lumen Maintenance

L70 at 50,000 hours

Warranty

LED System rated for operation in ambient environments up to 25°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.Torsion springs pull trim tight to the ceiling with no visible fasteners within the trim. Trim position rotates up to 110° for fine adjustment (FL44).

Optics

Wall wash features high reflectance white kicker reflector and micro prism tempered glass diffuser to provide smooth illumination down the wall.

PERFORMANCE CHART

Nominal Output	Color Temp	System Watts	Delivered Lumens	LPW
11LED	3000K	16	751	46.0
15LED	3000K	21	966	46.1
20LED	3000K	29	1308	45.6

*Based on Clear Diffuse reflector cone. Rated Output is the same for all color temps. Wattage reduction with other color temps. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

HOUSING ORDERING

Housing Series		_____
ID LED Square with rotating trim alignment feature	FL44	
ID LED Square with fixed aperture	FL44F	
ID LED Square for mounting between 6" on center tees (Not recommended with single-tile spacing between fixtures due to ceiling tile interference)	FL44FT	
Trim Type		_____
Square Overlap	SO	
Square Flush (FL44 & FL44F only)	SF	
Nominal Output		_____
1100 Lumen LED Module	11LED	
1500 Lumen LED Module	15LED	
2000 Lumen LED Module	20LED	
Color Temperature		_____
3000K	30K	
3500K	35K	
Voltage		_____
120V	120	
277V	277	
Driver		_____
0-10V Dimming	LD1	
Lutron A-Series - 1% EcoSystem Digital (consult factory for 3-wire control)	L3D	
Housing Type		**T**
Thermally Protected, Non-IC	T	
Factory Options		
Bar Hangers (FL44, FL44F only)	BH	_____
Chicago Plenum	CP	
Emergency Battery Consult EM specific cutsheet		

TRIM ORDERING

Aperture		**L44**
4.5" Square Reflector	L44	
Trim Type		**SQ**
Square (Compatible with SO and SF housings)	SQ	
Optic		**WWMG**
Wall Wash with MicroGlow Lens (Wet location)	WWMG	
Color		_____
Clear Diffuse	CD	
Warm Diffuse	WD	
Silver Talc Diffuse	TD	
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-SO-15LED-30K-120-LD1-T | L44-SQ-WWMG-CD-WH

QS 10 DAY*

POWERED BY PHILIPS QUALITY COMPONENTS

Focal Point LLC reserves the right to change specifications for product improvement without notification.

*For more information visit focalpointlights.com/reference or consult factory.
Quickship is a limited offering, visit focalpointlights.com/quickship for specifics.

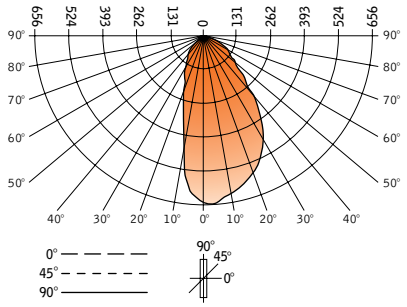
id® 4.5" x 4.5"

LED WALL WASH

FL44-SO-11LED-L30-120-LD1-T / L44-SQ-WWMG-CD

Filename: FL44WWCD11LEDL30.IES
Test #: 101418870CHI-021
Lumens: 750lm
System Watts: 16W
LPW: 47

CANDELPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle 0°	22.5°	45°	67.5°	90°
0°	653	653	653	653	653
5°	651	654	656	655	648
15°	600	605	612	611	584
25°	531	534	528	495	400
35°	384	411	390	312	206
45°	516	558	557	179	106
55°	147	140	130	88	62
65°	99	90	72	46	32
75°	47	40	25	19	12
85°	5	5	4	3	2
90°	0	0	0	0	0

LUMEN SUMMARY

	Zone	Lumens	% Fixture
Total Luminaire	0-30°	364.1	48.5
	0-40°	513.3	68.4
	0-60°	688.4	91.7
	0-90°	750.4	100.0
	0-180°	750.5	100.0

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

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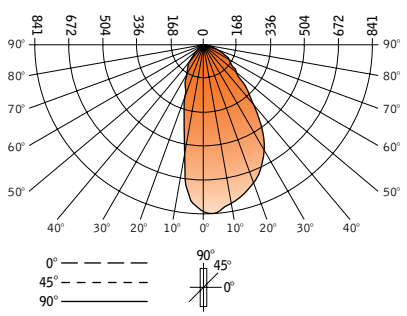
LED WALL WASH

FL44-SO-15LED-L30-120-LD1-T / L44-SQ-WWMG-CD

Filename: FL44WWCD15LEDL30.IES
Test #: 101418870CHI-022
Lumens: 966lm
System Watts: 21W
LPW: 46

CANDELPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle 0°	22.5°	45°	67.5°	90°
0°	837	837	837	837	837
5°	835	839	841	840	831
15°	770	776	786	784	748
25°	683	686	678	636	512
35°	498	529	502	403	264
45°	280	294	293	229	139
55°	189	180	168	116	79
65°	128	115	92	60	41
75°	61	52	32	24	16
85°	7	6	5	4	3
90°	0	0	0	0	0

LUMEN SUMMARY

	Zone	Lumens	% Fixture
Total Luminaire	0-30°	467.5	48.4
	0-40°	659.8	68.3
	0-60°	885.8	91.7
	0-90°	965.9	100.0
	0-180°	965.9	100.0

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id® 4.5" x 4.5"

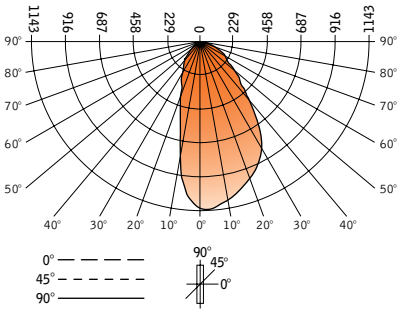
LED WALL WASH

FL44-SO-20LED-L30-120-LD1-T / L44-SQ-WWMG-CD

Filename: FL44WWCD20LEDL30.IES
Test #: 101418870CHI-022

Lumens: 1308lm
System Watts: 29W
LPW: 45

CANDELPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle 0°	22.5°	45°	67.5°	90°
0°	1133	1133	1133	1133	1133
5°	1131	1139	1143	1139	1125
15°	1112	1123	1130	1131	1112
25°	929	939	926	862	687
35°	676	726	686	544	354
45°	380	402	399	309	185
55°	255	245	227	155	107
65°	172	157	125	80	56
75°	80	70	44	33	21
85°	9	9	6	5	3
90°	1	1	1	1	1

LUMEN SUMMARY

	Zone	Lumens	% Fixture
Total Luminaire	0-30°	632.8	48.4
	0-40°	893.5	68.3
	0-60°	1199	91.7
	0-90°	1307.1	100.0
	0-180°	1307.6	100.0

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