



RECESSED LED

FHL330 (3X3) SERIES

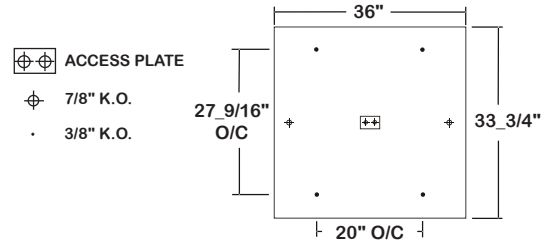
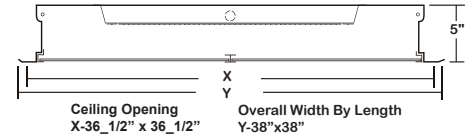
TRIM FLANGED HINGE AND LATCH DOOR FRAME LUMINAIRE

DATE	
JOB	

WWW.LALIGHTING.COM
626-454-8300

RECESSED MOUNTED LED LUMINAIRE

DIMENSIONS



APPLICATIONS

- Commercial, Office

FEATURES

- 0-10V dimming driver standard
- Supports California Title 24 compliance

OPTIONS

- Full customization available upon request
- Additional lumen packages and color temperatures available
- Controls and sensors available
- Wireless control options available
- Variety of lenses available
- Emergency battery pack available
- Hanger yokes available (*See ACCESSORIES for details*)
- Swing-out jacks available (*See ACCESSORIES for details*)
- Painted after fabrication available
- Tunable white available (2700K-6500K)

SPECIFICATIONS

CONSTRUCTION

- 22 ga. cold rolled steel housing
- 20 ga. cold rolled steel door frame (extruded aluminum in various finishes available) secured by T-hinges and positive spring loaded latches / screwed at each corner
- 18 ga. welded one piece trim flange
- One way polyurethane gasket standard (*See GASKET for gasket options*)

FINISH

- Baked white polyester finish / minimum reflectance 86%
- Trim flange: painted after fabrication
- Door frame: painted after fabrication

OPTICAL

- Clear prismatic acrylic lens (lenses supplied two-piece unless otherwise specified)
- Specify PA8(1PC) for a one-piece PA lens

ELECTRICAL

- High efficiency drivers coupled with long-life LEDs
- Service life greater than 50,000 hours (L70)
- Universal voltage 120V through 277V (347V / 480V available)
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) $\leq 20\%$

LISTING

- UL USA and Canada listed / suitable for damp locations

WARRANTY

- 5-year limited warranty



Los Angeles Lighting Mfg. Co.

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www.lalighting.com Made in the USA



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Revised: 06/27/24



MADE IN THE USA
BAA Compliant

ORDERING INFORMATION

EXAMPLE: FHL330-8-3L-FSW-PA-TP-BPL1.5-DRDM-UNV-SQ/840

SERIES	LED LUMEN PACKAGE	EFFICACY	NOMINAL LENGTH	DOOR FRAME	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
FHL330			3L					DRDM	UNV	SQ	
FHL330 Trim Flanged with Hinge and Latch Door Frame LED Luminaire	4 Nom. 4000 Lumens 6 Nom. 6000 Lumens 8 Nom. 8000 Lumens 12 Nom. 12000 Lumens 16 Nom. 16000 Lumens *Additional Lumen Packages Available	(Blank) Standard HE High Efficacy (Only 4000 / 6000 / 8000 / 12000 lumens Systems)	3L 3' x 3'	FSW Flat Steel White Enamel See <u>DOOR FRAME for Options</u>	PA Clear Prismatic Acrylic PA2 Clear Prismatic Acrylic 0.125 PA8(1PC) Clear Prismatic Acrylic 0.187 (One-Piece) FPA2 Frosted Prismatic Acrylic 0.125 FFWA Flat Frosted White Acrylic See <u>OPTICAL OPTIONS Below</u>	PAF Painted After Fabrication GSKNx Neoprene Gasket See <u>GASKET for Options</u> *Leave Blank if Not Specified <u>Additional Mechanical Options</u>	BPL1.5 Emergency Battery Pack, Nom. 1500 lm MSHx Motion Sensor (Only available with PA8(1PC) option) WLC(LED RU) EnOcean Wireless Control *Leave Blank if Not Specified <u>Additional Electrical Options</u>	DRDM 0-10V Dimming Driver	UNV 120V-277V	SQ 4 LED Modules Arranged in a Square Layout	830 80+CRI / 3000K Color Temp. 835 80+CRI / 3500K Color Temp. 840 80+CRI / 4000K Color Temp. 850 80+CRI / 5000K Color Temp. *Additional Color Temp. Available

SYSTEM DATA

THESE ARE THE MOST POPULAR LUMEN PACKAGES. PLEASE CONSULT FACTORY FOR ADDITIONAL SYSTEM DATA.

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
4000 Lumens (Nominal)	FHL330-4-3L-FSW-PA-DRDM-UNV-SQ/840	3254 lm	28.7 W	113.5 lm/W	-20°C / 35°C	2-F32T8	*
6000 Lumens (Nominal)	FHL330-6-3L-FSW-PA-DRDM-UNV-SQ/840	4916 lm	43.2 W	113.9 lm/W	-20°C / 35°C	4-F25T8, 3-F32T8	LA-T3453-1
8000 Lumens (Nominal)	FHL330-8-3L-FSW-PA-DRDM-UNV-SQ/840	6499 lm	63.6 W	102.2 lm/W	-20°C / 35°C	4-F32T8	*
12000 Lumens (Nominal)	FHL330-12-3L-FSW-PA-DRDM-UNV-SQ/840	9656 lm	104.6 W	92.3 lm/W	-20°C / 35°C	6-F32T8	*
16000 Lumens (Nominal)	FHL330-16-3L-FSW-PA-DRDM-UNV-SQ/840	12779 lm	103.3 W	123.7 lm/W	-20°C / 35°C	8-F32T8	*

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
4000 Lumens (Nominal)	FHL330-4HE-3L-FSW-PA-DRDM-UNV-SQ/840	3192 lm	22.5 W	141.7 lm/W	-20°C / 35°C	2-F32T8	*
6000 Lumens (Nominal)	FHL330-6HE-3L-FSW-PA-DRDM-UNV-SQ/840	4948 lm	35.7 W	138.8 lm/W	-20°C / 35°C	4-F25T8, 3-F32T8	*
8000 Lumens (Nominal)	FHL330-8HE-3L-FSW-PA-DRDM-UNV-SQ/840	6307 lm	46.4 W	136.0 lm/W	-20°C / 35°C	4-F32T8	*
12000 Lumens (Nominal)	FHL330-12HE-3L-FSW-PA-DRDM-UNV-SQ/840	8904 lm	68.1 W	130.7 lm/W	-20°C / 35°C	6-F32T8	*

NOTE:

System data is based on 120V input voltage. Actual performance may differ as a result of end-user environment and application.

This fixture has been tested and listed in accordance with UL Standards. L.A. Lighting certifies that it will operate safely when installed properly, and within an ambient temperature range noted in the system data table.

Additional lumen packages and color temperatures available.



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BAA Compliant

OPTICAL OPTIONS

STANDARD LENSES FOR FHL330

PA	Clear Prismatic Acrylic, No Thickness Specified, Female Prisms 3/16 Square Base (2-Piece Lens)
PA2	Clear Prismatic Acrylic, Nom. 0.125 OA Thickness, Female Prisms 3/16 Square Base (2-Piece Lens)
PA8(1PC)	Clear Prismatic Acrylic, Nom. 0.187 OA Thickness, Female Prisms 3/16 Square Base (1-Piece Lens)
FFWA	Flat Frosted White Acrylic (2-Piece Lens)
FPA2	Frosted Prismatic Acrylic, Nom. 0.125 OA Thickness, Female Prisms 3/16 Square Base (2-Piece Lens)

DOOR FRAME

CROSS SECTION



FS **W**

FINISHES
W White Enamel
B Black Enamel
N Natural Anodized Aluminum (Only FA / RA / R2 styles)

STYLES
FS Flat Steel
FA Flat Extruded Aluminum
RA 5/8" Regressed Extruded Aluminum

GASKET

GSK N 1

GASKET
MATERIAL TYPE
N Neoprene
 Leave Blank for Polyurethane

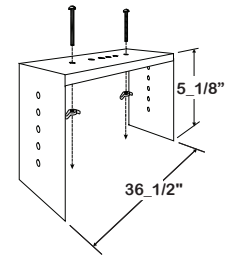
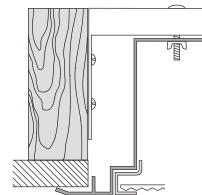
LOCATION
1 One-Way
2 Two-Way
3 Three-Way

	1 - WAY	2 - WAY	3 - WAY
TRIM FLANGE			
	Only with FS / FA / RA style door frames.	Only with FS style door frame.	Only with FS style door frame.

ACCESSORIES

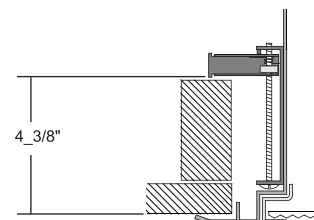
HS-36_1/2

- Hanger Yokes
- Compatible with all types of recessed flanged fixtures
- 1/4 - 20 x 3" machine screws locate into knockout on back of fixture housing
- Two (2) per fixture



SOJ

- Swing-Out Jacks
- Compatible with selected types of recessed flanged fixtures
- Spring loaded adjustable mounting bracket for mounting in drywall or plaster type ceiling
- Two (2) brackets on each side of fixture housing
- Four (4) per fixture



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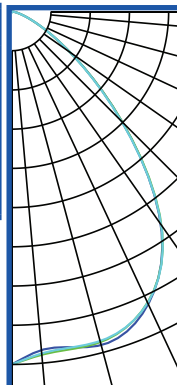
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PHOTOMETRIC DATA - FHL330

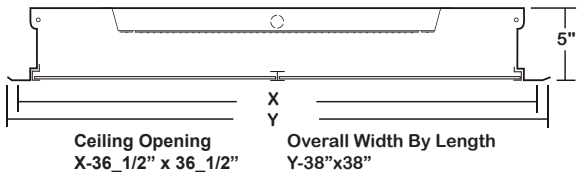
FHL330-6-3L-FSW-PA-DRDM-UNV-SQ/840

TEST NO.=LA-T3453-1
 LED TYPE=48 LED MODULE
 NO. OF MODULE=4
 SYSTEM WATT (W)=43.2
 CRI ≥ 80
 L70(Hrs.) ≥ 50,000 hours
 PHOTOMETRY TYPE=C



CANDLEPOWER			
ANGLE	END	45	CROSS
0	2621	2621	2621
5	2524	2559	2549
15	2565	2542	2533
25	2398	2385	2388
35	1928	1938	1936
45	1160	1163	1152
55	532	530	527
65	194	194	195
75	55	55	53
85	8	7	7
90	0	0	0
95	0	0	0
105	0	0	0
115	0	0	0
125	0	0	0
135	0	0	0
145	0	0	0
155	0	0	0
165	0	0	0
175	0	0	0
180	0	0	0

ZONAL LUMEN SUMMARY			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	2071	33	42
0-40	3287	53	67
0-60	4660	75	95
0-90	4917	79	100
90-120	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	4917	79	100



Luminaire Output= 4916.6 lumens
 Luminaire Efficacy = 113.8 lm/W
 Luminaire Efficiency = 78.84%

SPACING CRITERION	
ALONG	ACROSS
1.21	1.21

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