



RECESSED LED

FHL320 (2X2) SERIES (2X4 AVAILABLE)

TRIM FLANGED WITH HINGE AND LATCH DOOR FRAME LUMINAIRE

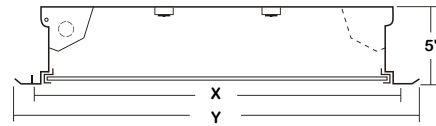


DATE	
JOB	

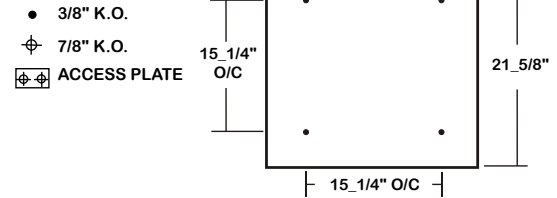
WWW.LALIGHTING.COM
626-454-8300

RECESSED MOUNTED LED LUMINAIRE

DIMENSIONS



Ceiling Opening Overall Width By Length X - 24_1/2" x 24_1/2"
Y - 26" x 26"



• 3/8" K.O.

⊕ 7/8" K.O.

⊕ ACCESS PLATE

APPLICATIONS

- Commercial, Office

FEATURES

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

OPTIONS

- Continuous row mounting available upon request
- Full customization available upon request
- Additional lumen packages and color temperatures available
- Wireless control options available
- Variety of lenses available
- Emergency battery pack available
- Hanger yokes available
- Swing-out jacks available

SPECIFICATIONS

CONSTRUCTION

- 22 ga. cold-rolled steel housing (20 ga. housing available as specified)
- 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 (additional options available)

FINISH

- Baked white polyester finish (powder coated finish available) / minimum reflectance 86%
- Trim flange: painted after fabrication
- Door frame: painted after fabrication

OPTICAL

- Clear prismatic acrylic 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) ≤ 20%

LISTING

- UL USA and Canada listed / suitable for damp locations

WARRANTY

- 5-Year limited warranty standard. 10-Year limited warranty also available



Los Angeles Lighting Mfg. Co.

Contact Us
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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: FHL320-4-2L-FSW-PA-TP-BPL1.5-DRDM-UNV-2/840

SERIES	LED LUMEN PACKAGE	EFFICACY	NOMINAL LENGTH	DOOR FRAME	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
FHL320			2L					DRDM	UNV		
FHL320 Trim Flanged with Hinge and Latch Door Frame LED Luminaire	2 Nom. 2000 Lumens 3 Nom. 3000 Lumens 4 Nom. 4000 Lumens 6 Nom. 6000 Lumens 8 Nom. 8000 Lumens 12 Nom. 12000 Lumens <i>*Additional Lumen Packages Available</i>	(Blank) Standard HE High Efficacy (Only 2000 / 3000 / 4000 / 6000 / 12000 lumens Systems)	2L 2X2	FSW Flat Steel White Enamel	PA Clear Prismatic Acrylic PA2 Clear Prismatic Acrylic 0.125 FPA2 Frosted Prismatic Acrylic 0.125 FFWA Flat Frosted White Acrylic	GSKNx Neoprene Gasket <i>*Leave Blank if Not Specified</i> <u>Additional Mechanical Options</u>	BPL1.5 1500lm Emergency Battery Pack WLC(LED RU) EnOcean Wireless Control <i>*Leave Blank if Not Specified</i> <u>Additional Electrical Options</u>	DRDM 0-10V Dimming Driver	UNV 120V-277V	2 Two LED Rows (Only 2000 / 3000 / 4000 / 6000 / 8000 lumens Systems) 4 Four LED Rows (Only 12000 lumens System)	830 80+CRI / 3000K Color Temp. 835 80+CRI / 3500K Color Temp. 840 80+CRI / 4000K Color Temp. 850 80+CRI / 5000K Color Temp. <i>*Additional Color Temp. Available</i>
Standard options for FHL320 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit www.lalighting.com/resources or contact customer service.											

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 / HID / CFL EQUIVALENT	IES FILES
2000 Lumens (Nominal)	FHL320-2-2L-FSW-PA-DRDM-UNV-2/840	1718 lm	15.7 W	109.2 lm/W	-20°C / 35°C	2-F17T8, 1-F24T5HO, 1-BX40	LA-T3111-1
3000 Lumens (Nominal)	FHL320-3-2L-FSW-PA-DRDM-UNV-2/840	2519 lm	24.3 W	103.6 lm/W	-20°C / 35°C	3-F17T8, 1-BX55	LA-T3112-1
4000 Lumens (Nominal)	FHL320-4-2L-FSW-PA-DRDM-UNV-2/840	3281 lm	33.3 W	98.4 lm/W	-20°C / 35°C	4-F17T8, 2-F24T5HO, 2-BX40	LA-T3113-1
6000 Lumens (Nominal)	FHL320-6-2L-FSW-PA-DRDM-UNV-2/840	4690 lm	52.3 W	89.6 lm/W	-20°C / 35°C	6-F17T8, 3-F24T5HO, 2-BX55	LA-T3109-1
8000 Lumens (Nominal)	FHL320-8-2L-FSW-PA-DRDM-UNV-2/840	6336 lm	53.8 W	117.8 lm/W	-20°C / 35°C	4-F24T5HO, 175 W (MH), 4-BX40	LA-T3114-1
12000 Lumens (Nominal)	FHL320-12-2L-FSW-PA-DRDM-UNV-4/840	9406 lm	104.6 W	89.9 lm/W	-20°C / 35°C	6-F24T5HO, 250 W (MH), 4-BX55	LA-T3115-1

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT / HID / CFL EQUIVALENT	IES FILES
2000 Lumens (Nominal)	FHL320-2HE-2L-FSW-PA-DRDM-UNV-2/840	1629 lm	12.7 W	128.4 lm/W	-20°C / 35°C	2-F17T8, 1-F24T5HO, 1-BX40	LA-T3116-1
3000 Lumens (Nominal)	FHL320-3HE-2L-FSW-PA-DRDM-UNV-2/840	2442 lm	19.2 W	126.9 lm/W	-20°C / 35°C	3-F17T8, 1-BX55	LA-T3117-1
4000 Lumens (Nominal)	FHL320-4HE-2L-FSW-PA-DRDM-UNV-2/840	3244 lm	25.9 W	125.1 lm/W	-20°C / 35°C	4-F17T8, 2-F24T5HO, 2-BX40	LA-T3118-1
6000 Lumens (Nominal)	FHL320-6HE-2L-FSW-PA-DRDM-UNV-2/840	4812 lm	39.6 W	121.4 lm/W	-20°C / 35°C	6-F17T8, 3-F24T5HO, 2-BX55	LA-T3119-1
12000 Lumens (Nominal)	FHL320-12HE-2L-FSW-PA-DRDM-UNV-4/840	9484 lm	79.3 W	119.6 lm/W	-20°C / 35°C	6-F24T5HO, 250 W (MH), 4-BX55	LA-T3120-1

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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OPTICAL OPTIONS

STANDARD LENSES FOR FHL320

PA	Clear Prismatic Acrylic, No Thickness Specified, Female Prisms 3/16 Square Base
PA2	Clear Prismatic Acrylic, Nom. 0.125 OA Thickness, Female Prisms 3/16 Square Base
FFWA	Flat Frosted White Acrylic
FPA2	Frosted Prismatic Acrylic, Nom. 0.125 OA Thickness, Female Prisms 3/16 Square Base

DOOR FRAME

CROSS SECTION



FS W

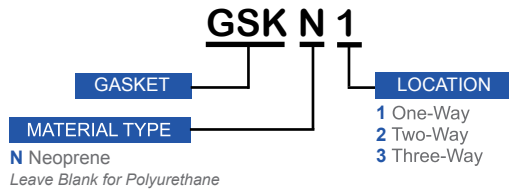
FINISHES

- 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

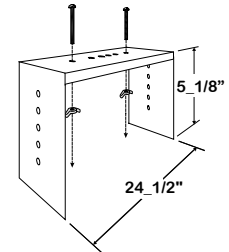
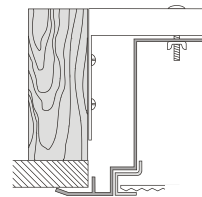


	1 - WAY	2 - WAY	3 - WAY
TRIM FLANGE			
	Only with FS / FA / RA style door frames.	Only with FS style door frame.	Only with FS style door frame.

ACCESSORIES

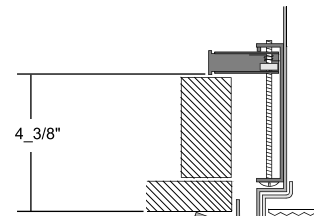
HS-24_1/2

- 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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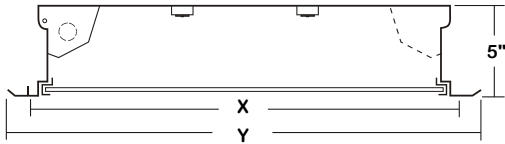
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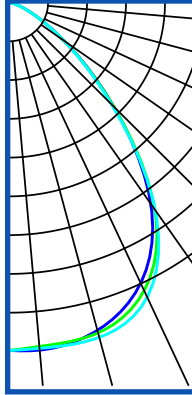
PHOTOMETRIC DATA - FHL320 SERIES - 2FT

FHL320-2-2L-FSW-PA-DRDM-UNV-2/840

TEST NO. = LA-T3111-1
 LED TYPE = 48 LED MODULE
 NO. OF MODULE = 2
 SYSTEM WATT (W) = 16.0
 CRI ≥ 80
 L70(Hrs.) ≥ 50,000
 PHOTOMETRY TYPE = C



Ceiling Opening X - 24_1/2" x 24_1/2"
 Overall Width By Length Y - 26" x 26"



CANDLEPOWER

ANGLE	END	45	CROSS
0	969	969	969
5	948	948	941
15	928	937	948
25	844	865	883
35	656	676	679
45	388	388	384
55	174	176	173
65	63	63	63
75	18	18	18
85	2	2	2
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	% FIXT
0-30	756	34	44
0-40	1178	53	69
0-60	1634	73	95
0-90	1717	77	100
90-120	0	0.0	0.0
90-150	0	0.0	0.0
90-180	0	0.0	0.0
0-180	1717	77	100

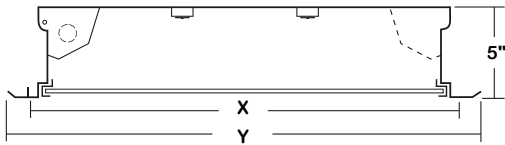
Luminaire Output = 1716.5 lm
 Luminaire Efficacy = 107.3 lm/W

SPACING CRITERION

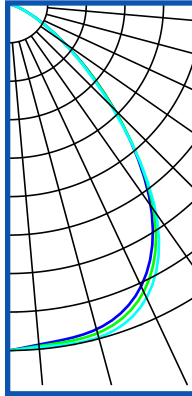
ALONG	ACROSS
1.15	1.19

FHL320-3-2L-FSW-PA-DRDM-UNV-2/840

TEST NO. = LA-T3112-1
 LED TYPE = 48 LED MODULE
 NO. OF MODULE = 2
 SYSTEM WATT (W) = 24.2
 CRI ≥ 80
 L70(Hrs.) ≥ 50,000
 PHOTOMETRY TYPE = C



Ceiling Opening X - 24_1/2" x 24_1/2"
 Overall Width By Length Y - 26" x 26"



CANDLEPOWER

ANGLE	END	45	CROSS
0	1398	1398	1398
5	1372	1393	1400
15	1365	1379	1392
25	1237	1266	1302
35	963	990	1001
45	568	570	560
55	257	256	253
65	93	91	92
75	25	26	26
85	3	3	3
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	% FIXT
0-30	1110	34	44
0-40	1730	53	69
0-60	2398	73	95
0-90	2518	77	100
90-120	0	0.0	0.0
90-150	0	0.0	0.0
90-180	0	0.0	0.0
0-180	2518	77	100

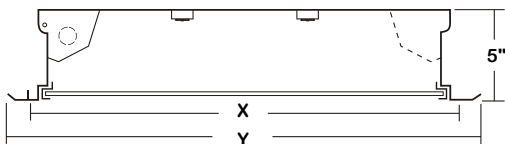
Luminaire Output = 2518.3 lm
 Luminaire Efficacy = 104.1 lm/W

SPACING CRITERION

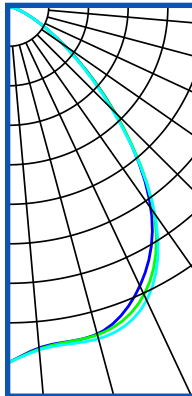
ALONG	ACROSS
1.17	1.20

FHL320-4-2L-FSW-PA-DRDM-UNV-2/840

TEST NO. = LA-T3113-1
 LED TYPE = 48 LED MODULE
 NO. OF MODULE = 2
 SYSTEM WATT (W) = 33.1
 CRI ≥ 80
 L70(Hrs.) ≥ 50,000
 PHOTOMETRY TYPE = C



Ceiling Opening X - 24_1/2" x 24_1/2"
 Overall Width By Length Y - 26" x 26"



CANDLEPOWER

ANGLE	END	45	CROSS
0	1803	1803	1803
5	1807	1824	1807
15	1773	1792	1810
25	1612	1651	1693
35	1250	1291	1304
45	740	741	729
55	337	332	330
65	120	120	121
75	33	33	34
85	4	4	4
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	% FIXT
0-30	1446	34	44
0-40	2252	53	69
0-60	3122	73	95
0-90	3280	77	100
90-120	0	0.0	0.0
90-150	0	0.0	0.0
90-180	0	0.0	0.0
0-180	3280	77	100

Luminaire Output = 3280.5 lm
 Luminaire Efficacy = 99.1 lm/W

SPACING CRITERION

ALONG	ACROSS
1.18	1.21

