



RECESSED LED

FHL340 (4X4) SERIES

4X4 TRIM FLANGED RECESSED LED LUMINAIRE RECESSED

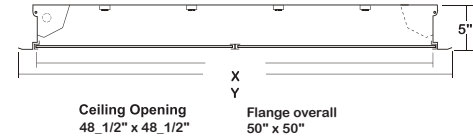
DATE	
JOB	

WWW.LALIGHTING.COM
626-454-8300

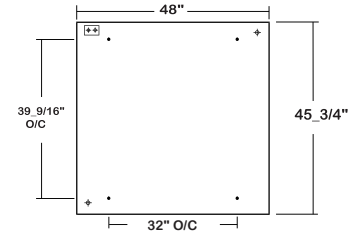
RECESSED MOUNTED LED LUMINAIRE



DIMENSIONS



- ⊕ ACCESS PLATE
- ⊕ 7/8" K.O.
- 3/8" K.O.



APPLICATIONS

- Commercial, Office

FEATURES

- 0-10V dimming drivers standard
- Supports California Title compliance

OPTIONS

- Full customization available upon request
- Additional lumen packages and color temperatures available
- Controls and sensors available
- Variety of lenses available
- Emergency battery pack available
- Hanger yokes available
- Swing-out jacks available
- Tamper proof screws available

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
- 18ga. 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

- PA Clear prismatic acrylic, thickness not specified. 2-piece lenses standard.
- PA2 Clear prismatic acrylic, Nominal .125 thickness. 2-piece lenses
- PA8 (1pc) Clear prismatic acrylic, Nominal .187 thickness. 1-piece lens
- FPA2 Frosted prismatic acrylic, Nominal .125 thickness. 2-piece lenses
- FFA Frosted flat acrylic, thickness not specified, 2-piece lens

ELECTRICAL

- BPL Standard emergency battery pack
- WLC(LED RU) EnOcean control relay
- MSHx Microwave sensor (behind lens) with 1-piece lens door only.

LISTING

- UL USA and Canada listed / suitable for damp locations

WARRANTY

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



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Revised 07-19-23

WARNING

FHL340 (4X4 SERIES 4X4 TRIM FLANGED RECESSED LED LUMINAIRE RECESSED LED RECESSED

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
FHL340			4L					DRDM	UNV	4	
FHL340 Hinge and Latch Door Frame Grid LED Luminaire	6 Nom. 6000 Lumens 8 Nom. 8000 Lumens 12 Nom. 12000 Lumens 16 Nom. 16000 Lumens 24 Nom. 24000 Lumens *Additional Lumen Packages Available	(Blank) Standard HE High Efficacy	4L 4' x 4'	FSW Flat Steel White Enamel See DOOR FRAME for Options	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 FFA Frosted Flat Acrylic	TP Tamper Proof Screws (Hex Socket with Post) GSKNx Neoprene Gasket *Leave Blank if Not Specified <i>Additional Mechanical Options</i>	BPL1.5 1500lm Emergency Battery Pack WLC(xxxxx) Wireless Control *Leave Blank if Not Specified <i>Additional Electrical Options</i>	DRDM 0-10V Dimming Driver	UNV 120V-277V	4 Four LED Rows	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>
<p>Standard options for FHL340 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit www.lalighting.com/resources or contact customer service.</p>											

SYSTEM DATA

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
6000 Lumens (Nominal)	FHL340-6-4L-FSW-PA-DRDM-UNV-4/840	4837 lm	41.0 W	118.0 lm/W	-20°C / 35°C	3-F32T8	*
8000 Lumens (Nominal)	FHL340-8-4L-FSW-PA-DRDM-UNV-4/840	6578 lm	57.3 W	114.7 lm/W	-20°C / 35°C	4-F32T8, 2-F54T5HO	*
12000 Lumens (Nominal)	FHL340-12-4L-FSW-PA-DRDM-UNV-4/840	9665 lm	85.5 W	113.0 lm/W	-20°C / 35°C	6-F32T8, 3-F54T5HO	LA-T3357
16000 Lumens (Nominal)	FHL340-16-4L-FSW-PA-DRDM-UNV-4/840	12879 lm	124.2 W	103.7 lm/W	-20°C / 35°C	4-F54T5HO	*
24000 Lumens (Nominal)	FHL340-24-4L-FSW-PA-DRDM-UNV-4/840	19521 lm	209.3 W	93.3 lm/W	-20°C / 35°C	6-F54T5HO	*

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
6000 Lumens (Nominal)	FHL340-6-4L-FSW-PA-DRDM-UNV-4/840	4997 lm	34.8 W	143.8 lm/W	-20°C / 35°C	3-F32T8	*
8000 Lumens (Nominal)	FHL340-8-4L-FSW-PA-DRDM-UNV-4/840	6453 lm	45.0 W	143.3 lm/W	-20°C / 35°C	4-F32T8, 2-F54T5HO	*
12000 Lumens (Nominal)	FHL340-12-4L-FSW-PA-DRDM-UNV-4/840	9654 lm	68.7 W	140.6 lm/W	-20°C / 35°C	6-F32T8, 3-F54T5HO	*
16000 Lumens (Nominal)	FHL340-16-4L-FSW-PA-DRDM-UNV-4/840	12750 lm	92.8 W	137.5 lm/W	-20°C / 35°C	4-F54T5HO	*
24000 Lumens (Nominal)	FHL340-24-4L-FSW-PA-DRDM-UNV-4/840	19262 lm	147.2 W	130.9 lm/W	-20°C / 35°C	6-F54T5HO	*

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

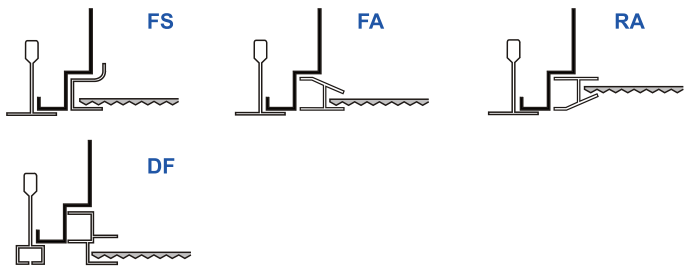
STANDARD LENSES FOR FHL330

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)
FPA2	Frosted Prismatic Acrylic, Nom. 0.125 OA Thickness, Female Prisms 3/16 Square Base (2-Piece Lens)
FFA	Flat Frosted Acrylic (2-Piece Lens)

[CLICK HERE FOR FULL OPTICAL OPTIONS LIST](#)

DOOR FRAME

CROSS SECTION



FS **W**

FINISHES

- W** White Enamel
- B** Black Enamel
- N** Natural Anodized Aluminum (Only FA / RA / DF styles)

STYLES

- FS** Flat Steel
- FA** Flat Extruded Aluminum
- RA** 5/8" Regressed Extruded Aluminum
- DF** Extruded Aluminum Frame for Don Fine Line® T-Bar

GASKET

GSK N 1

GASKET

MATERIAL TYPE

- N** Neoprene
- Leave Blank for Polyurethane

LOCATION

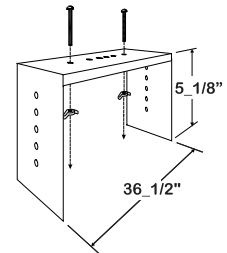
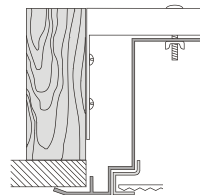
- One-Way
- Two-Way
- Three-Way

	1 - WAY	2 - WAY	3 - WAY
TRIM FLANGE			
	Only with FS / FA / RA / R2 style door frames.	Only with FS style door frame.	Only with FS style door frame.

ACCESSORIES

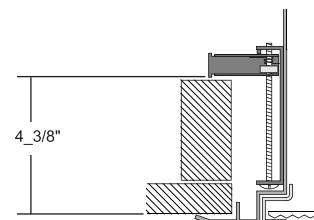
HS-36_1/2

- 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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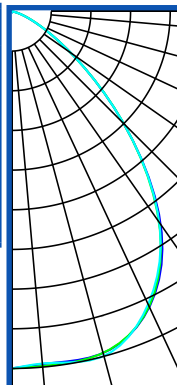
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PHOTOMETRIC DATA - GHL340

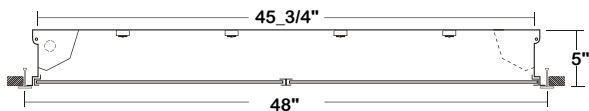
GHL340-12-4L-FSW-PA-DRDM-UNV-4/840

TEST NO.=LA-T3357
 LED TYPE= 24 LED MODULE
 NO. OF MODULE=8
 SYSTEM WATT (W)=85.5
 CRI ≥ 80
 L70(Hrs.) ≥ 50,000 hours
 PHOTOMETRY TYPE=C



CANDLEPOWER			
ANGLE	END	45	CROSS
0	5224	5224	5224
5	5211	5184	5205
15	5111	5122	5135
25	4709	4701	4631
35	3755	3696	3728
45	2295	2293	2301
55	1040	1049	1042
65	375	381	376
75	106	105	103
85	14	13	13
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	4117	34	43
0-40	6453	53	67
0-60	9169	76	95
0-90	9665	80	100
90-120	0	0.0	0.0
90-150	0	0.0	0.0
90-180	0	0.0	0.0
0-180	9665	80	100



Luminaire Output= 9665.4 lumens
 Luminaire Efficacy = 113.0 lm/W

SPACING CRITERION	
ALONG	ACROSS
1.19	1.18

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