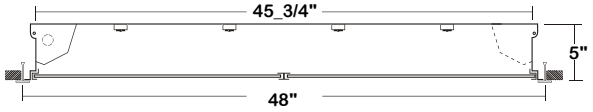
RECESSED LED
GHL340 (4X4) SERIES
HINGE AND LATCH DOOR FRAME GRID LUMINAIRE

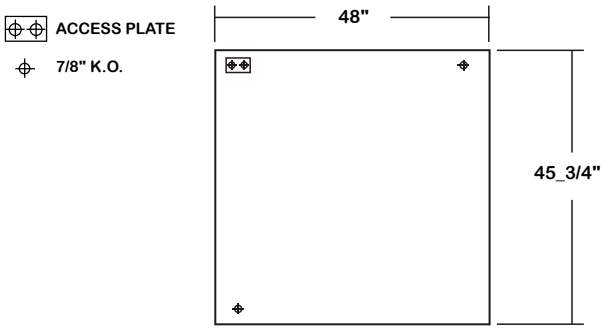
DATE	
JOB	

WWW.LALIGHTING.COM
626-454-8300

RECESSED MOUNTED LED LUMINAIRE FOR INVERTED T-BAR CEILINGS

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
- Wireless control options available
- Variety of lenses available
- Emergency battery pack available
- Tamper proof screws 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
- One way polyurethane gasket (additional options available)

FINISH
- Baked white polyester finish (powder coated finish available) / minimum reflectance 86%
- 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) ≤ 20%

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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MADE IN THE U.S.A.

Revised 07/05/23

ORDERING INFORMATION"

EXAMPLE: GHL340-8-4L-FSW-PA-TP-BPL1.5-DRDM-UNV-4/840

SERIES	LED LUMEN PACKAGE	EFFICACY	NOMINAL LENGTH	DOOR FRAME	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
GHL340			**4L**					**DRDM**	**UNV**	**4**	
GHL340 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	**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 *Additional Mechanical Options*	**BPL1.5** 1500lm Emergency Battery Pack **WLC(xxxxx)** Wireless Control *Leave Blank if Not Specified *Additional Electrical Options*	**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. *Additional Color Temp. Available

Standard options for GHL340 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 EQUIVALENT	IES FILES
6000 Lumens (Nominal)	GHL340-6-4L-FSW-PA-DRDM-UNV-4/840	4837 lm	41.0 W	118.0 lm/W	-20°C / 35°C	3-F32T8	*
8000 Lumens (Nominal)	GHL340-8-4L-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)	GHL340-12-4L-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)	GHL340-16-4L-FSW-PA-DRDM-UNV-4/840	12879 lm	124.2 W	103.7 lm/W	-20°C / 35°C	4-F54T5HO	*
24000 Lumens (Nominal)	GHL340-24-4L-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)	GHL340-6HE-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)	GHL340-8HE-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)	GHL340-12HE-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)	GHL340-16HE-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)	GHL340-24HE-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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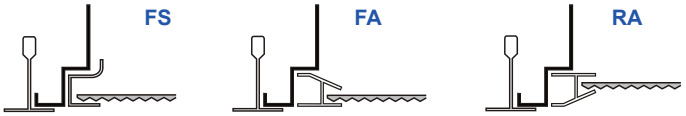
OPTICAL OPTIONS

STANDARD LENSES FOR GHL340

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)
FFA	Flat Frosted 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 / styles)

STYLES

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

GASKET

GSK N 1

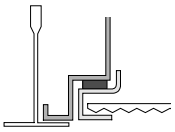
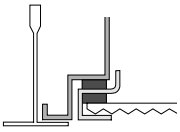
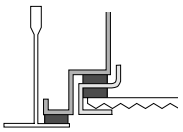
GASKET

MATERIAL TYPE

N Neoprene
Leave Blank for Polyurethane

LOCATION

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

	1- WAY	2 - WAY	3 - WAY
T- BAR			
	Only with FS / FA / RA style door frames.	*Only with FS style door frame.*	*Only with FS style door frame.*

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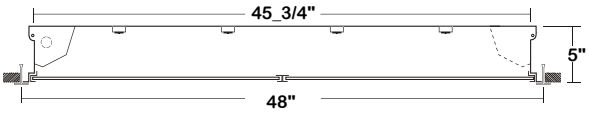
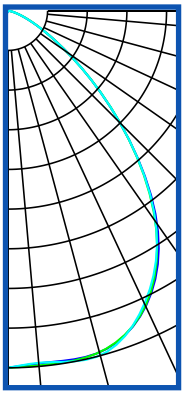
PHOTOMETRIC DATA - GHL340

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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