



# RECESSED LED

## GHL320 (2X2) SERIES (2X4 AVAILABLE)

HINGE AND LATCH DOOR FRAME GRID LUMINAIRE

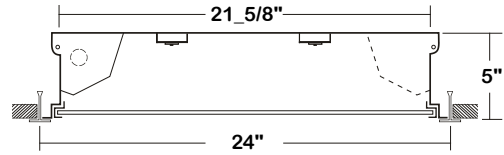
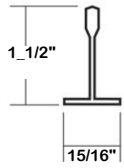


DATE	
JOB	

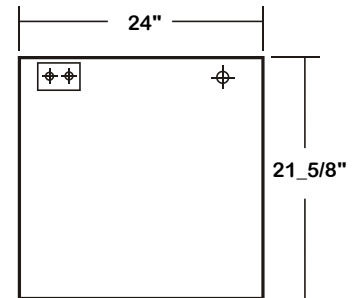
WWW.LALIGHTING.COM  
626-454-8300

### RECESSED MOUNTED LED LUMINAIRE FOR INVERTED T-BAR CEILINGS

### DIMENSIONS



ACCESS PLATE  
7/8" K.O.



### APPLICATIONS

- Commercial, Office

### FEATURES

- 0-10V dimming driver standard *for other dimming types*
- Supports California Title 24 compliance

### OPTIONS

- Full customization available upon request
- Additional lumen packages and color temperatures available
- Wireless control options available *for wireless controls*
- Variety of lenses available
- Emergency battery pack available *for battery pack options*

### 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

#### 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)  $\geq 0.9$
- Total Harmonic Distortion (THD)  $\leq 20\%$

#### 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.

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Revised: 06/28/24



ORDERING INFORMATION

EXAMPLE: GHL320-4-2L-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
<b>GHL320</b>			<b>2L</b>					<b>DRDM</b>	<b>UNV</b>		
<b>GHL320</b> Hinge and Latch Door Frame Grid 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  <b>HE</b> High Efficacy (Only 2000 / 3000 / 4000 / 6000 / 12000 lumens Systems)	<b>2L</b> 2X2	<b>FSW</b> Flat Steel White Enamel	<b>PA</b> Clear Prismatic Acrylic  <b>PA2</b> Clear Prismatic Acrylic 0.125  <b>FPA2</b> Frosted Prismatic Acrylic 0.125  <b>FFWA</b> Flat Frosted White Acrylic	<b>GSKNx</b> Neoprene Gasket  <i>*Leave Blank if Not Specified</i>  <i>Additional Mechanical Options</i>	<b>BPL1.5</b> 1500lm Emergency Battery Pack  <b>WLC(xxxxx)</b> Wireless Control  <i>*Leave Blank if Not Specified</i>  <i>Additional Electrical Options</i>	<b>DRDM</b> 0-10V Dimming Driver	<b>UNV</b> 120V-277V	<b>2</b> Two LED Rows (Only 2000 / 3000 / 4000 / 6000 / 8000 lumens Systems)  <b>4</b> Four LED Rows (Only 12000 lumens System)	<b>830</b> 80+CRI / 3000K Color Temp.  <b>835</b> 80+CRI / 3500K Color Temp.  <b>840</b> 80+CRI / 4000K Color Temp.  <b>850</b> 80+CRI / 5000K Color Temp.  <i>*Additional Color Temp. Available</i>
Standard options for GHL320 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit <a href="http://www.lalighting.com/resources">www.lalighting.com/resources</a> 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)	GHL320-2-2L-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	<a href="#">LA-T3111</a>
3000 Lumens (Nominal)	GHL320-3-2L-FSW-PA-DRDM-UNV-2/840	2519 lm	24.3 W	103.6 lm/W	-20°C / 35°C	3-F17T8, 1-BX55	<a href="#">LA-T3112</a>
4000 Lumens (Nominal)	GHL320-4-2L-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	<a href="#">LA-T3113</a>
6000 Lumens (Nominal)	GHL320-6-2L-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	<a href="#">LA-T3109</a>
8000 Lumens (Nominal)	GHL320-8-2L-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	<a href="#">LA-T3114</a>
12000 Lumens (Nominal)	GHL320-12-2L-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	<a href="#">LA-T3115</a>

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)	GHL320-2HE-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	<a href="#">LA-T3116</a>
3000 Lumens (Nominal)	GHL320-3HE-2L-FSW-PA-DRDM-UNV-2/840	2442 lm	19.2 W	126.9 lm/W	-20°C / 35°C	3-F17T8, 1-BX55	<a href="#">LA-T3117</a>
4000 Lumens (Nominal)	GHL320-4HE-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	<a href="#">LA-T3118</a>
6000 Lumens (Nominal)	GHL320-6HE-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	<a href="#">LA-T3119</a>
12000 Lumens (Nominal)	GHL320-12HE-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	<a href="#">LA-T3120</a>

**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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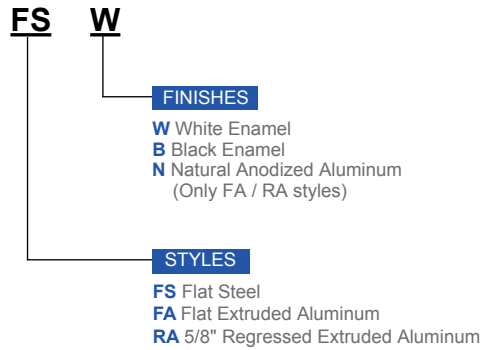
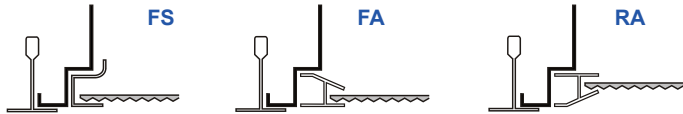
**OPTICAL OPTIONS**

**STANDARD LENSES FOR GHL320**

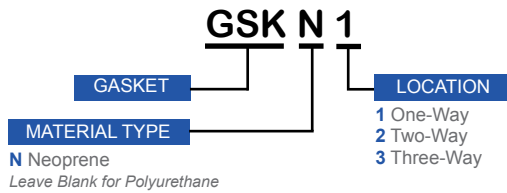
<b>PA</b>	Clear Prismatic Acrylic, No Thickness Specified, Female Prisms 3/16 Square Base
<b>PA2</b>	Clear Prismatic Acrylic, Nom. 0.125 OA Thickness, Female Prisms 3/16 Square Base
<b>FFWA</b>	Flat Frosted White Acrylic
<b>FPA2</b>	Frosted Prismatic Acrylic, Nom. 0.125 OA Thickness, Female Prisms 3/16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

**DOOR FRAME**

CROSS SECTION



**GASKET**



	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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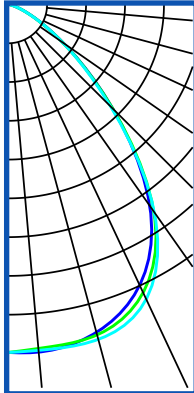
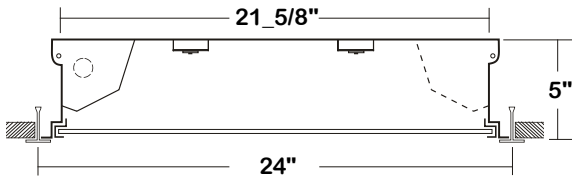
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**PHOTOMETRIC DATA - GHL320 SERIES - 2FT**

**GHL320-2-2L-FSW-PA-DRDM-UNV-2/840**

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



**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	% FIXTURE
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

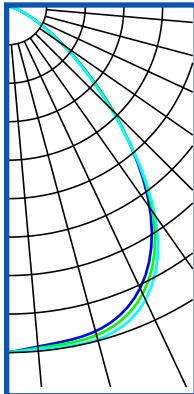
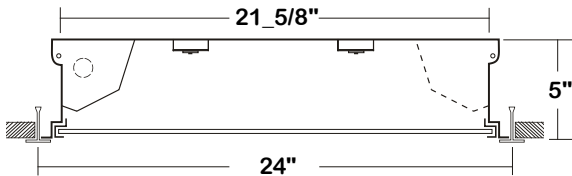
Luminaire Output = 1716.5 lm  
 Luminaire Efficacy = 107.3 lm/W

**SPACING CRITERION**

ALONG	ACROSS
1.15	1.19

**GHL320-3-2L-FSW-PA-DRDM-UNV-2/840**

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



**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	% FIXTURE
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

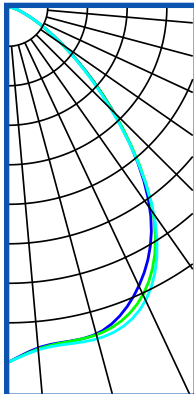
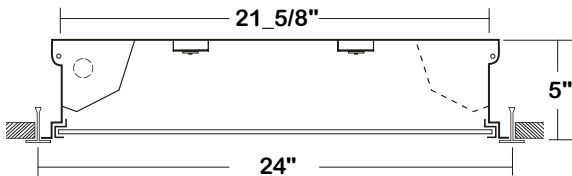
Luminaire Output = 2518.3 lm  
 Luminaire Efficacy = 104.1 lm/W

**SPACING CRITERION**

ALONG	ACROSS
1.17	1.20

**GHL320-4-2L-FSW-PA-DRDM-UNV-2/840**

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



**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	% FIXTURE
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

