

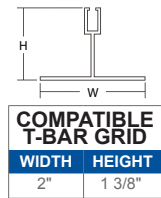


CLEANROOM GCR620

CLASS 1000/10000 CLEANROOM GRID LUMINAIRE

JOB	
TYPE	
DATE	

Grid-Mounted

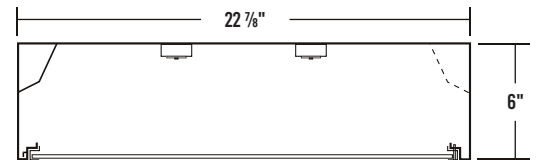


2' x 4'

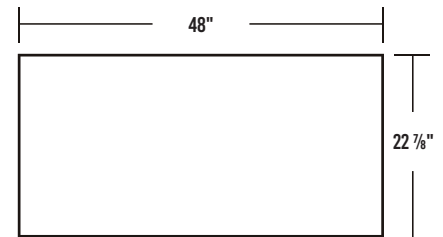


2' x 2'

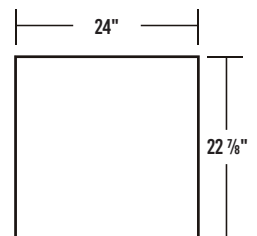
CROSS SECTION



4' BACKPLATE



2' BACKPLATE



* No Unused Holes or
KOs on Backplates

SPECIFICATIONS

Construction

- Class 1000/10,000 (ISO Class 6/7 Equivalent)
- 22 gauge cold-rolled steel welded housing
- 20 gauge cold-rolled steel door frame secured by T-hinges and spring-loaded latches
- Door frame sealed with closed cell neoprene gasket
- All parts fitted and sealed

Finish

- Painted after fabrication
- Baked white powder-coated finish
- Minimum reflectance 90%

Optical

- Inverted clear prismatic acrylic lens (nominal 0.125" thickness)

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

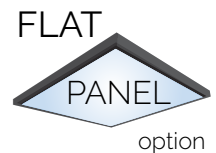
- UL USA and Canada listed / suitable for damp locations

Warranty

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

APPLICATIONS

- Cleanroom, Sealed Ceiling Areas, Commercial



FEATURES

- Made in America, BABA & BAA Compliant
- 0-10V dimming driver standard
- Supports California Title 24 compliance
- Suitable for 2" wide T-Bar grids

OPTIONS

- Range of lumen packages and color temperatures
- Flat panel optics
- Tunable white (2700K - 6500K)
- Colored LEDs, including True/Native Amber
- Sensors and controls
- Lens options
- Antimicrobial finish
- Emergency battery pack
- Customization available upon request



Los Angeles Lighting Mfg. Co.
Contact Us
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www.lalighting.com Made in the USA



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Revised: 09/26/25



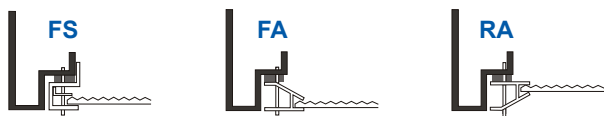
ORDERING INFORMATION

Visit www.lalighting.com/resources for additional options.**EXAMPLE: GCR620-4-4L-FSW-PA2-BPL1.5-DRDM-UNV-2/840**

SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	FINISH	DOOR FRAME	OPTICAL	ELECTRICAL	DRIVER	VOLTAGE	LED LAYOUT	CRI / CCT
GCR620										
GCR620 • Class 1000/10000 Cleanroom Grid LED Luminaire	2 - 2000 lm 4 - 4000 lm 6 - 6000 lm 8 - 8000 lm 12 - 12000 lm High Efficacy 2HE - 2000 lm 4HE - 4000 lm 6HE - 6000 lm 8HE - 8000 lm 2 - 2000 lm 4 - 4000 lm 6 - 6000 lm 8 - 8000 lm 12 - 12000 lm High Efficacy 2HE - 2000 lm 4HE - 4000 lm 6HE - 6000 lm 8HE - 8000 lm 12HE - 12000 lm	2L • 2' 4L • 4'	AMF • Antimicrobial Finish *Leave blank if not specified	FSW • Flat Steel White Enamel Door Frame	PA2 • Clear Prismatic Acrylic 0.125" FPA2 • Frosted Prismatic Acrylic 0.125" DRP8 • High-Impact Clear Prismatic Acrylic 0.187" FFWA • Flat Frosted White Acrylic	BPL1.5 • 1500 lm Emergency Battery Pack *Leave blank if not specified	DRDM • 0-10V Dimming Driver DRDM2C • 2-Channel 0-10V Dimming Driver (for Color Tunable White) DRSD • Step Dimming Driver DR2W • 120V 2-Wire Phase Dimming Driver (Must Specify 120V in Voltage Column)	UNV • 120V-277V 120V • 120 Volt 277V • 277 Volt	2 • Two Rows P4 • Flat Panel (Must specify FFWA in optical column)	827 • 80+CRI / 2700K 830 • 80+CRI / 3000K 835 • 80+CRI / 3500K 840 • 80+CRI / 4000K 850 • 80+CRI / 5000K 865 • 80+CRI / 6500K 8TW • 80+CRI Tunable White 2700K-6500K AM8¹ • PC Yellow 575 nm - 590 nm AM9¹ • PC Amber 586 nm - 593 nm AMT¹ • True Amber 585 nm - 595 nm
Standard options for GHL310 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit www.lalighting.com/resources or contact customer service.										90CRI Also available Contact customer service for additional CRI/CCT packages.
¹ For amber and other color LEDs, available lumen packages vary. Contact customer service for more information.										

DOOR FRAME

CROSS SECTION



FEATURES

- T-Hinges and Positive Spring Loaded Latches
- Inverted Lens
- Sealed with Closed Cell Neoprene Gasket
- Light Stop Covers Installed
- Internal Frame Rail (FS only)

FS

W

FINISHES

- W** White Enamel
B Black Enamel
N Natural Anodized Aluminum
 (only available for FA and RA styles)

STYLES

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

OPTICAL OPTIONS

STANDARD LENSES FOR GCR620 - Prismatic lenses are inverted to position the flat side facing down.

- PA2** Clear Prismatic Acrylic, Nom. 0.125" OA Thickness, Female Prisms 3/16" Square Base, Pattern 12
FPA2 Frosted Prismatic Acrylic, Nom. 0.125" OA Thickness, Female Prisms 3/16" Square Base, Pattern 12
DRP8 High-Impact Clear Prismatic Acrylic, Nom. 0.187" OA Thickness, Female Prisms 3/16" Square Base, Pattern 12
FFWA Flat Frosted White Acrylic, No Thickness Specified



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SYSTEM DATA: Additional Lumen Packages Available. Contact Customer Service for More Information

Normal
Temp

2'	LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
	2000 Lumens (Nominal)	GCR620-2-2L-FSW-PA2-DRDM-UNV-2/840	1456	12.4	117.0 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F24T5HO 2x F17T8	*
	4000 Lumens (Nominal)	GCR620-4-2L-FSW-PA2-DRDM-UNV-2/840	2857	25.5	112.2 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F24T5HO 4x F17T8	*
	6000 Lumens (Nominal)	GCR620-6-2L-FSW-PA2-DRDM-UNV-2/840	4218	39.0	108.2 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F24T5HO 6x F17T8	*
	8000 Lumens (Nominal)	GCR620-8-2L-FSW-PA2-DRDM-UNV-2/840	5538	53.1	104.4 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F24T5HO	*
	12000 Lumens (Nominal)	GCR620-12-2L-FSW-PA2-DRDM-UNV-2/840	8435	78.0	108.1 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F24T5HO	*

Normal Temp
High Efficacy

2'	LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
	2000 Lumens (Nominal)	GCR620-2HE-2L-FSW-PA2-DRDM-UNV-2/840	1479	12.3	120.3 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F24T5HO 2x F17T8	*
	4000 Lumens (Nominal)	GCR620-4HE-2L-FSW-PA2-DRDM-UNV-2/840	2911	24.9	117.0 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F24T5HO 4x F17T8	*
	6000 Lumens (Nominal)	GCR620-6HE-2L-FSW-PA2-DRDM-UNV-2/840	4322	37.8	114.5 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F24T5HO 6x F17T8	*
	8000 Lumens (Nominal)	GCR620-8HE-2L-FSW-PA2-DRDM-UNV-2/840	5714	50.9	112.2 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F24T5HO	*

Normal
Temp

4'	LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
	2000 Lumens (Nominal)	GCR620-2-4L-FSW-PA2-DRDM-UNV-2/840	1617	12.3	131.5 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
	4000 Lumens (Nominal)	GCR620-4-4L-FSW-PA2-DRDM-UNV-2/840	3182	24.9	127.9 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
	6000 Lumens (Nominal)	GCR620-6-4L-FSW-PA2-DRDM-UNV-2/840	4724	37.8	125.1 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
	8000 Lumens (Nominal)	GCR620-8-4L-FSW-PA2-DRDM-UNV-2/840	6240	50.9	122.5 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
	12000 Lumens (Nominal)	GCR620-12-4L-FSW-PA2-DRDM-UNV-2/840	9220	78.0	118.2 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F32T8	*

Normal Temp
High Efficacy

4'	LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
	2000 Lumens (Nominal)	GCR620-2HE-4L-FSW-PA2-DRDM-UNV-2/840	1652	12.2	135.4 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
	4000 Lumens (Nominal)	GCR620-4HE-4L-FSW-PA2-DRDM-UNV-2/840	3233	24.6	131.5 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
	6000 Lumens (Nominal)	GCR620-6HE-4L-FSW-PA2-DRDM-UNV-2/840	4491	34.6	129.8 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
	8000 Lumens (Nominal)	GCR620-8HE-4L-FSW-PA2-DRDM-UNV-2/840	6052	47.2	128.3 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
	12000 Lumens (Nominal)	GCR620-12HE-4L-FSW-PA2-DRDM-UNV-2/840	9142	72.8	125.5 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F32T8	*

NOTE:

System data as of 1/30/25 (K-Boards).
 Luminaire efficiency: 2x2 - 68.3%, 2x4 - 74.6%
 Subject to change without notice.

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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