

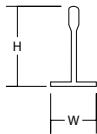


CLEANROOM GCR220

LED
CLASS 100 CLEANROOM GRID LUMINAIRE

JOB	
TYPE	
DATE	

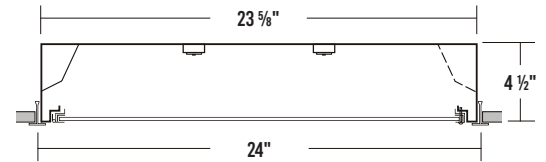
Grid-Mounted



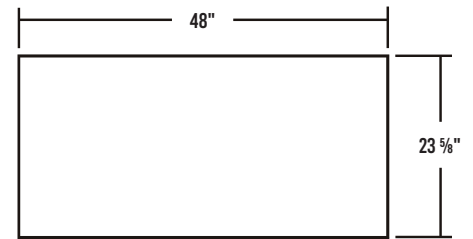
COMPATIBLE T-BAR GRIDS	
WIDTH	HEIGHT
15/16"	1 1/2"
1 1/2"	1 1/2"



CROSS SECTION

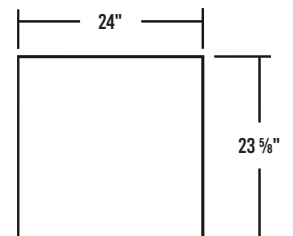


4' BACKPLATE



* No Unused Holes or KOs on Backplates

2' BACKPLATE



SPECIFICATIONS

Construction

- Class 100 / ISO Class 5 equivalent
- 22 gauge cold-rolled steel welded housing
- All parts fitted and sealed, no unused holes or knockouts
- 20 gauge cold-rolled steel door frame secured by full length piano hinge and 2 captive screws
- Door frame and lens sealed with closed cell neoprene gasket

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) ≤ 20%

Listing

- UL USA and Canada listed / suitable for damp locations

Warranty

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

APPLICATIONS

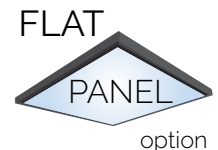
- Cleanroom, Sealed Ceiling Areas, Commercial

FEATURES

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

OPTIONS

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



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 www.lalighting.com Made in the USA



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Revised: 3/5/26



ORDERING INFORMATION: Additional Options Available. Visit www.lalighting.com/resources for more information

EXAMPLE: GCR220-4-4L-FSW-PA2-BPL1.5-DRDM-UNV-2/840											
SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	FINISH	DOOR FRAME	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT
GCR220											
GCR220 • Class 100 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	2L • 2'	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	WL • Wet Location TP • Tamper Proof Screws (Hex Socket with Post) *Leave blank if not specified	BPL1.5 • 1500 lm emergency battery pack *Leave blank if not specified	DRDM • 0-10V Dimming Driver 2DRDM • Dual System 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 UCV • 120V-347V 120V • 120 Volt (For DR2W Driver Type) 347V • 277-347 Volt 480V • 480 Volt	2 • Two Rows (standard) 8 • (Flat Panel only: 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 Requires DRDM2C driver AM8¹ • PC Yellow 575 nm - 590 nm AM9¹ • PC Amber 586 nm - 593 nm AMT¹ • True Amber 585 nm - 595 nm
	2 - 2000 lm 4 - 4000 lm 6 - 6000 lm 8 - 8000 lm 12 - 12000 lm 16 - 16000 lm 24 - 24000 lm High Efficacy 2HE - 2000 lm 4HE - 4000 lm 6HE - 6000 lm 8HE - 8000 lm 12HE - 12000 lm	4L • 4'									
	DUAL SYSTEM 8/6 Nom. 8000 Lumens Nom. 6000 Lumens (Only 2DRDM)										

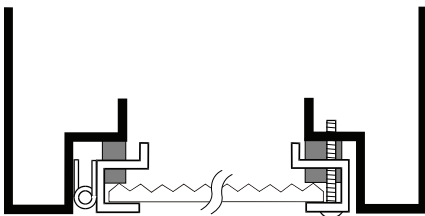
Standard options for GCR220 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit www.lalighting.com/resources or contact customer service.

¹ For amber and other color LEDs, available lumen packages vary. Contact customer service for more information.

90CRI Also available
Contact customer service for additional CRI/CCT packages.

DOOR FRAME

CROSS SECTION



FEATURES

- Full Length Piano Hinge
- Inverted Lens
- Two 10-24 Captive Machine Screws
- Sealed with Closed Cell Neoprene Gasket

FS

W

FINISHES

- W** White Enamel
- B** Black Enamel

STYLES

- FS** Flat Steel

OPTICAL OPTIONS

STANDARD LENSES FOR GCR220 - 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)	GCR220-2-2L-FSW-PA2-DRDM-UNV-2/840	1548	12.1	127.8 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F24T5HO 2x F17T8	*
		4000 Lumens (Nominal)	GCR220-4-2L-FSW-PA2-DRDM-UNV-2/840	3039	24.8	122.5 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F24T5HO 4x F17T8	*
		6000 Lumens (Nominal)	GCR220-6-2L-FSW-PA2-DRDM-UNV-2/840	4443	37.9	117.1 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F24T5HO 6x F17T8	*
		8000 Lumens (Nominal)	GCR220-8-2L-FSW-PA2-DRDM-UNV-2/840	5889	51.5	114.3 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F24T5HO	*
		12000 Lumens (Nominal)	GCR220-12-2L-FSW-PA2-DRDM-UNV-2/840	8880	75.8	117.2 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)	GCR220-2HE-2L-FSW-PA2-DRDM-UNV-2/840	1574	11.9	131.8 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F24T5HO 2x F17T8	*
		4000 Lumens (Nominal)	GCR220-4HE-2L-FSW-PA2-DRDM-UNV-2/840	3097	24.2	128.1 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F24T5HO 4x F17T8	*
		6000 Lumens (Nominal)	GCR220-6HE-2L-FSW-PA2-DRDM-UNV-2/840	4598	36.7	125.3 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F24T5HO 6x F17T8	*
		8000 Lumens (Nominal)	GCR220-8HE-2L-FSW-PA2-DRDM-UNV-2/840	6162	49.5	124.5 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)	GCR220-2-4L-FSW-PA2-DRDM-UNV-2/840	1682	12.0	140.2 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
		4000 Lumens (Nominal)	GCR220-4-4L-FSW-PA2-DRDM-UNV-2/840	3353	24.2	138.4 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
		6000 Lumens (Nominal)	GCR220-6-4L-FSW-PA2-DRDM-UNV-2/840	4978	36.7	135.7 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
		8000 Lumens (Nominal)	GCR220-8-4L-FSW-PA2-DRDM-UNV-2/840	6581	49.5	133.0 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
		12000 Lumens (Nominal)	GCR220-12-4L-FSW-PA2-DRDM-UNV-2/840	9599	75.8	126.7 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F32T8	*
		16000 Lumens (Nominal)	GCR220-16-4L-FSW-PA2-DRDM-UNV-2/840	12604	117.8	107.0 lm/W	-20°C / 35°C (-4°F / 95°F)	4x F54T5HO	*

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)	GCR220-2HE-4L-FSW-PA2-DRDM-UNV-2/840	1741	11.9	146.5 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
		4000 Lumens (Nominal)	GCR220-4HE-4L-FSW-PA2-DRDM-UNV-2/840	3407	23.9	142.6 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
		6000 Lumens (Nominal)	GCR220-6HE-4L-FSW-PA2-DRDM-UNV-2/840	4732	33.6	140.8 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
		8000 Lumens (Nominal)	GCR220-8HE-4L-FSW-PA2-DRDM-UNV-2/840	6377	45.8	139.1 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*

Normal Temp AMT	4'	LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (AMT) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
		6000 Lumens (Nominal)	GCR220-6-4L-FSW-PA2-DRDM-UNV-2/AMT	4733	117.1	40.4 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*

NOTE:
 System data as of 3/5/26 (K-Boards).
 Luminaire efficiency: 2x2 - 72.6%, 2x4 - 78.6%
 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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