CLEANROOM LED
GCR710
CLASS 1000/10000 CLEANROOM GRID LUMINAIRE

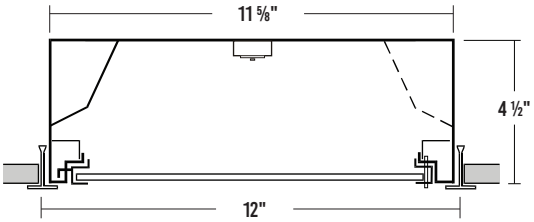
JOB	
TYPE	
DATE	

Grid-Mounted

COMPATIBLE T-BAR GRIDS

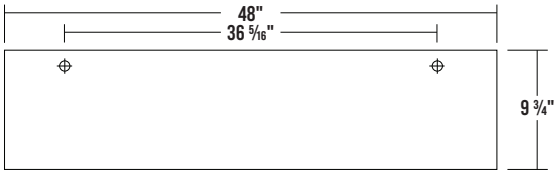
WIDTH	HEIGHT
15/16"	1 1/2"
1 1/2"	1 1/2"

CROSS SECTION



7/8" KO

BACKPLATE



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
- All parts fitted and sealed
- Door frame 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

FLAT PANEL option

FEATURES

- Made in America, BABA & BAA Compliant
- 0-10V dimming driver standard
- Supports California Title 24 compliance

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
T: 626-454-8300
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www.lalighting.com
10141 Olney Street
El Monte, CA 91731
Made in the USA

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Revised: 09/26/25

ORDERING INFORMATION

Visit www.lalighting.com/resources for additional options.

EXAMPLE: GCR710-4-4L-FSW-PA2-BPL1.5-DRDM-UNV-1/840

SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	FINISH	DOOR FRAME	OPTICAL	ELECTRICAL	DRIVER	VOLTAGE	LED LAYOUT	CRI / CCT
GCR710		**4L**								
GCR710 • 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	**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	**1** • One Row **P2** • Flat Panel (Must specify FFWA in optical coumn)	**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 **AM8**[1] • PC Yellow 575 nm - 590 nm **AM9**[1] • PC Amber 586 nm - 593 nm **AMT**[1] • True Amber 585 nm - 595 nm

Standard options for GCR710 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit www.lalighting.com/resources or contact customer service.

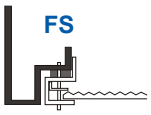
1 For amber and other color LEDs, available lumen packages vary. Contact customer service for more information.

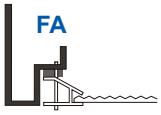
90CRI Also available

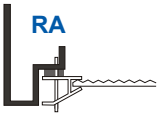
Contact customer service for additional CRI/CCT packages.

DOOR FRAME

CROSS SECTION







FEATURES

- 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 GCR710 - 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

4' LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	GCR710-2-4L-FSW-PA2-DRDM-UNV-1/840	1478	12.5	118.5 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
4000 Lumens (Nominal)	GCR710-4-4L-FSW-PA2-DRDM-UNV-1/840	2901	25.5	113.6 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
6000 Lumens (Nominal)	GCR710-6-4L-FSW-PA2-DRDM-UNV-1/840	4282	39.1	109.6 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
8000 Lumens (Nominal)	GCR710-8-4L-FSW-PA2-DRDM-UNV-1/840	5622	53.1	106.0 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
12000 Lumens (Nominal)	GCR710-12-4L-FSW-PA2-DRDM-UNV-1/840	8563	78.0	109.8 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)	GCR710-2HE-4L-FSW-PA2-DRDM-UNV-1/840	1502	12.4	121.6 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
4000 Lumens (Nominal)	GCR710-4HE-4L-FSW-PA2-DRDM-UNV-1/840	2955	24.9	118.5 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
6000 Lumens (Nominal)	GCR710-6HE-4L-FSW-PA2-DRDM-UNV-1/840	4388	37.8	116.2 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*

NOTE:
System data as of 1/30/25 (K-Boards).
Luminaire efficiency: 1x4 - 69.3%
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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