



# CLEANROOM

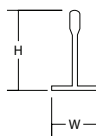
## GCR210

CLASS 100 CLEANROOM GRID LUMINAIRE



|      |  |
|------|--|
| JOB  |  |
| TYPE |  |
| DATE |  |

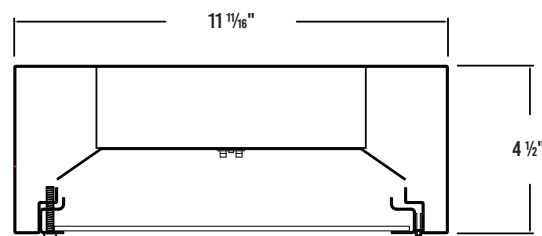
### Grid-Mounted



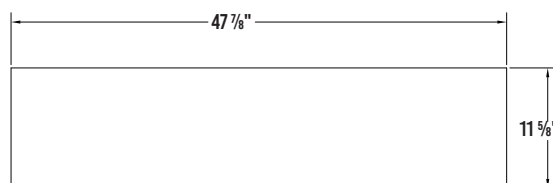
| COMPATIBLE T-BAR GRIDS |        |
|------------------------|--------|
| WIDTH                  | HEIGHT |
| 15/16"                 | 1 1/2" |
| 1 1/2"                 | 1 1/2" |



### CROSS SECTION



### BACKPLATE



\* No Unused Holes or  
KOs on Backplates

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

### Listing

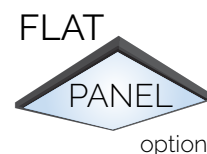
- UL USA and Canada listed / suitable for damp locations

### Warranty

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

## APPLICATIONS

- Cleanroom, Sealed Ceiling Areas, Commercial



## 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
- Wet location
- Emergency battery pack
- Tamper-proof screws
- Customization available upon request



**Los Angeles Lighting Mfg. Co.**  
Contact Us  
T: 626-454-8300 10141 Olney Street  
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www.lalighting.com Made in the USA



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Revised: 09/26/25



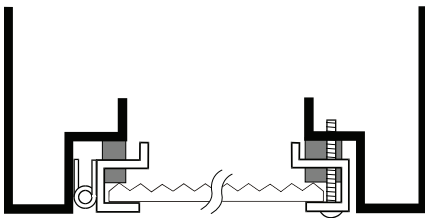
## ORDERING INFORMATION

Visit [www.lalighting.com/resources](http://www.lalighting.com/resources) for additional options.**EXAMPLE: GCR210-4-4L-FSW-PA2-BPL1.5-DRDM-UNV-1/840**

| SERIES                                                                                                                                                                                                                                                       | NOMINAL LED LUMENS                                                                                                                                       | NOMINAL LENGTH    | FINISH                                                                    | DOOR FRAME                                         | OPTICAL                                                                                                                                                                                                                       | MECHANICAL                                                                                                                        | ELECTRICAL                                                                             | DRIVER                                                                                                                                                                                                                                                              | VOLTAGE                                                                                     | LED LAYOUT                                                                                   | CRI / CCT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>GCR210</b>                                                                                                                                                                                                                                                |                                                                                                                                                          | <b>4L</b>         |                                                                           |                                                    |                                                                                                                                                                                                                               |                                                                                                                                   |                                                                                        |                                                                                                                                                                                                                                                                     |                                                                                             |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>GCR210</b><br>• Class 100 Cleanroom Grid LED Luminaire                                                                                                                                                                                                    | 2 - 2000 lm<br>4 - 4000 lm<br>6 - 6000 lm<br>8 - 8000 lm<br>12 - 12000 lm<br><br><b>High Efficacy</b><br>2HE - 2000 lm<br>4HE - 4000 lm<br>6HE - 6000 lm | <b>4L</b><br>• 4' | <b>AMF</b><br>• Antimicrobial Finish<br><br>*Leave blank if not specified | <b>FSW</b><br>• Flat Steel White Enamel Door Frame | <b>PA2</b><br>• Clear Prismatic Acrylic 0.125"<br><br><b>FPA2</b><br>• Frosted Prismatic Acrylic 0.125"<br><br><b>DRP8</b><br>• High-Impact Clear Prismatic Acrylic 0.187"<br><br><b>FFWA</b><br>• Flat Frosted White Acrylic | <b>WL</b><br>• Wet Location<br><br><b>TP</b><br>• Tamper Proof Screws (Hex Socket with Post)<br><br>*Leave blank if not specified | <b>BPL1.5</b><br>• 1500 lm emergency battery pack<br><br>*Leave blank if not specified | <b>DRDM</b><br>• 0-10V Dimming Driver<br><br><b>DRDM2C</b><br>• 2-Channel 0-10V Dimming Driver (for Color Tunable White)<br><br><b>DRSD</b><br>• Step Dimming Driver<br><br><b>DR2W</b><br>• 120V 2-Wire Phase Dimming Driver (Must Specify 120V in Voltage Column) | <b>UNV</b><br>• 120V-277V<br><br><b>120V</b><br>• 120 Volt<br><br><b>277V</b><br>• 277 Volt | <b>1</b><br>• One Row<br><br><b>P2</b><br>• Flat Panel (Must specify FFWA in optical column) | <b>827</b><br>• 80+CRI / 2700K<br><br><b>830</b><br>• 80+CRI / 3000K<br><br><b>835</b><br>• 80+CRI / 3500K<br><br><b>840</b><br>• 80+CRI / 4000K<br><br><b>850</b><br>• 80+CRI / 5000K<br><br><b>865</b><br>• 80+CRI / 6500K<br><br><b>8TW</b><br>• 80+CRI Tunable White 2700K-6500K Requires DRDM2C driver<br><br><b>AM8<sup>1</sup></b><br>• PC Yellow 575 nm - 590 nm<br><br><b>AM9<sup>1</sup></b><br>• PC Amber 586 nm - 593 nm<br><br><b>AMT<sup>1</sup></b><br>• True Amber 585 nm - 595 nm |
| Standard options for GCR210 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. |                                                                                                                                                          |                   |                                                                           |                                                    |                                                                                                                                                                                                                               |                                                                                                                                   |                                                                                        |                                                                                                                                                                                                                                                                     |                                                                                             |                                                                                              | <b>90CRI Also available</b><br><br>Contact customer service for additional CRI/CCT packages.                                                                                                                                                                                                                                                                                                                                                                                                       |
| <sup>1</sup> For amber and other color LEDs, available lumen packages vary. Contact customer service for more information.                                                                                                                                   |                                                                                                                                                          |                   |                                                                           |                                                    |                                                                                                                                                                                                                               |                                                                                                                                   |                                                                                        |                                                                                                                                                                                                                                                                     |                                                                                             |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## 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 GCR210 - 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<br>(Nominal)  | GCR210-2-4L-FSW-PA2-DRDM-UNV-1/840      | 1478             | 12.5         | 118.5 lm/W         | -20°C / 35°C<br>(-4°F / 95°F) | 1x F32T8               | *         |
|    | 4000 Lumens<br>(Nominal)  | GCR210-4-4L-FSW-PA2-DRDM-UNV-1/840      | 2901             | 25.5         | 113.6 lm/W         | -20°C / 35°C<br>(-4°F / 95°F) | 1x F54T5HO<br>2x F32T8 | *         |
|    | 6000 Lumens<br>(Nominal)  | GCR210-6-4L-FSW-PA2-DRDM-UNV-1/840      | 4282             | 39.1         | 109.6 lm/W         | -20°C / 35°C<br>(-4°F / 95°F) | 3x F32T8               | *         |
|    | 8000 Lumens<br>(Nominal)  | GCR210-8-4L-FSW-PA2-DRDM-UNV-1/840      | 5622             | 53.1         | 106.0 lm/W         | -20°C / 35°C<br>(-4°F / 95°F) | 2x F54T5HO<br>4x F32T8 | *         |
|    | 12000 Lumens<br>(Nominal) | GCR210-12-4L-FSW-PA2-DRDM-UNV-1/840     | 8563             | 78.0         | 109.8 lm/W         | -20°C / 35°C<br>(-4°F / 95°F) | 3x F54T5HO<br>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<br>(Nominal) | GCR210-2HE-4L-FSW-PA2-DRDM-UNV-1/840                    | 1502             | 12.4         | 121.6 lm/W         | -20°C / 35°C<br>(-4°F / 95°F) | 1x F32T8               | *         |
|    | 4000 Lumens<br>(Nominal) | GCR210-4HE-4L-FSW-PA2-DRDM-UNV-1/840                    | 2955             | 24.9         | 118.5 lm/W         | -20°C / 35°C<br>(-4°F / 95°F) | 1x F54T5HO<br>2x F32T8 | *         |
|    | 6000 Lumens<br>(Nominal) | GCR210-6HE-4L-FSW-PA2-DRDM-UNV-1/840                    | 4388             | 37.8         | 116.2 lm/W         | -20°C / 35°C<br>(-4°F / 95°F) | 3x F32T8               | *         |

**NOTE:**

System data as of 1/29/25 (K-Boards).

Luminaire efficiency: 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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