# RECESSED LED

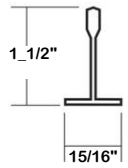
## GFF106 (4FT) SERIES (2' AND 8' AVAILABLE)

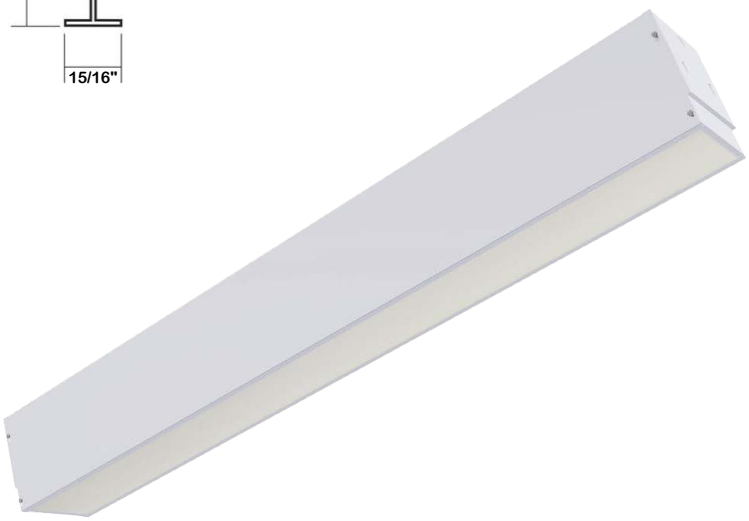
FRAMELESS FLAT GRID LUMINAIRE

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

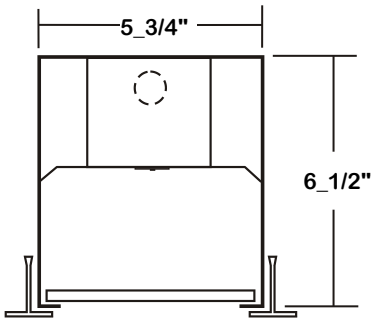
WWW.LALIGHTING.COM
626-454-8300

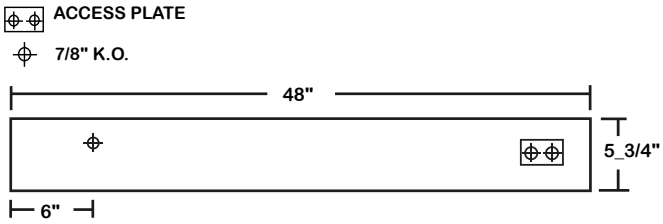
## RECESSED MOUNTED LED LUMINAIRE FOR INVERTED T-BAR CEILINGS



## DIMENSIONS




## APPLICATIONS

- Commercial, Office

## FEATURES

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

## OPTIONS

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

## SPECIFICATIONS

### CONSTRUCTION

- 22 ga. cold rolled steel welded housing (20 ga. housing available as specified)
- Frameless lens

### FINISH

- Baked white polyester finish (powder coated finish available) / minimum reflectance 86%
- Door frame: painted after fabrication

### OPTICAL

- Flat Frosted White 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) ≥ 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

**Los Angeles Lighting Mfg. Co.**
Contact Us
T: 626-454-8300
F: 626-454-8399
www.lalighting.com
10141 Olney Street
El Monte, CA 91731
Made in the USA

ROHS COMPLIANT

CERTIFIED

Due to continued product improvements and enhancements, Los Angeles Lighting Manufacturing Company reserves the right to alter specifications, dimensions, data, and/or materials without notice.
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Revised: 03/26/24

MADE IN THE USA
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## ORDERING INFORMATION

**EXAMPLE:** GFF106-4-4L-FFWA-BPL1.5-DRDM-UNV-1/840

| SERIES | LED LUMEN PACKAGE | EFFICACY | NOMINAL LENGTH | OPTICAL | ELECTRICAL | DRIVER | VOLTAGE | # OF LED ROW | CRI / CCT |
|---|---|---|---|---|---|---|---|---|---|
| **GFF106** | | | **4L** | | | **DRDM** | **UNV** | **1** | |
| **GFF106**<br>Frameless Flat Grid LED Luminaire | **2** Nom. 2000 Lumens<br>**4** Nom. 4000 Lumens<br>**6** Nom. 6000 Lumens<br>**8** Nom. 8000 Lumens<br><br>*Additional Lumen Packages Available | **(Blank)**<br>Standard<br><br>**HE**<br>High Efficacy (Only 2000 / 4000 / 6000 lumens Systems) | **4L**<br>4' | **PA**<br>Clear Prismatic Acrylic<br><br>**FFWA**<br>Flat Frosted White Acrylic<br><br>**FPA2**<br>Frosted Clear Prismatic Acrylic, Nom. 0.125 | **BPL1.5** 1500lm Emergency Battery Pack<br><br>**WLC(LEDRU)**<br>EnOcean Wireless Control<br><br>*Leave Blank if Not Specified<br><br>*Additional Electrical Options* | **DRDM**<br>0-10V Dimming Driver | **UNV**<br>120V-277V | **1**<br>One LED Row | **830**<br>80+CRI / 3000K Color Temp.<br><br>**835**<br>80+CRI / 3500K Color Temp.<br><br>**840**<br>80+CRI / 4000K Color Temp.<br><br>**850**<br>80+CRI / 5000K Color Temp.<br><br>*Additional Color Temp. Available |

Standard options for GFF106 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit www.lalighting.com/resources 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 EQUIVALENT | IES FILES |
|---|---|---|---|---|---|---|---|
| 2000 Lumens (Nominal) | GFF106-2-4L-PA-DRDM-UNV-1/840 | 1443 lm | 15.7 W | 91.7 lm/W | -20°C / 35°C | 1-F32T8 | * |
| 4000 Lumens (Nominal) | GFF106-4-4L-PA-DRDM-UNV-1/840 | 2756 lm | 33.1 W | 83.2 lm/W | -20°C / 35°C | 2-F32T8, 1-F54T5HO | LA-T3314 |
| 6000 Lumens (Nominal) | GFF106-6-4L-PA-DRDM-UNV-1/840 | 3939 lm | 52.3 W | 75.3 lm/W | -20°C / 35°C | 3-F32T8 | * |
| 8000 Lumens (Nominal) | GFF106-8-4L-PA-DRDM-UNV-1/840 | 5144 lm | 50.9 W | 101.1 lm/W | -20°C / 35°C | 4-F32T8, 2-F54T5HO | * |

| 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) | GFF106-2HE-4L-PA-DRDM-UNV-1/840 | 1389 lm | 12.0 W | 115.4 lm/W | -20°C / 35°C | 1-F32T8 | * |
| 4000 Lumens (Nominal) | GFF106-4HE-4L-PA-DRDM-UNV-1/840 | 2736 lm | 24.8 W | 110.3 lm/W | -20°C / 35°C | 2-F32T8, 1-F54T5HO | * |
| 6000 Lumens (Nominal) | GFF106-6HE-4L-PA-DRDM-UNV-1/840 | 3984 lm | 37.9 W | 105.2 lm/W | -20°C / 35°C | 3-F32T8 | * |

***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 GFF106

| | |
|---|---|
| **PA** | Clear Prismatic Acrylic, No Thickness Specified, Female Prisms 3/16 Square Base |
| **FFWA** | Flat Frosted White Acrylic |
| **FPA2** | Frosted Prismatic Acrylic, Nom. 0.125 OA Thickness, Female Prisms 3/16 Square Base |

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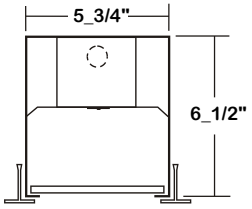
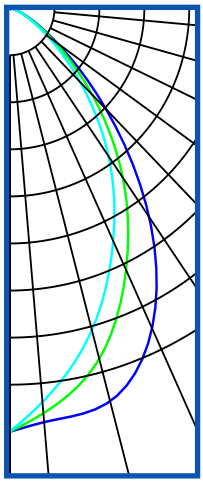
# PHOTOMETRIC DATA - GFF106 SERIES - 4'

## GFF106-4-4L-PA-DRDM-UNV-1/840

**TEST NO. = LA-T3314**
**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 | 1996 | 1996 | 1996 |
| 5 | 1958 | 1916 | 1863 |
| 15 | 1917 | 1711 | 1570 |
| 25 | 1664 | 1361 | 1210 |
| 35 | 1201 | 975 | 853 |
| 45 | 674 | 577 | 493 |
| 55 | 288 | 264 | 225 |
| 65 | 102 | 94.8 | 84.9 |
| 75 | 29.0 | 25.6 | 23.8 |
| 85 | 3.95 | 3.14 | 2.72 |
| 90 | 0.15 | 0.09 | 0.09 |
| 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 | 1360 | 30.82 | 47.92 |
| 0-40 | 1949 | 45.49 | 70.74 |
| 0-60 | 2632 | 61.43 | 95.51 |
| 0-90 | 2755 | 64.32 | 100.00 |
| 90-120 | 0.03 | 0.00 | 0.00 |
| 90-150 | 0.03 | 0.00 | 0.00 |
| 90-180 | 0.03 | 0.00 | 0.00 |
| 0-180 | 2755 | 64.32 | 100.00 |

Luminaire Output = 2755.3 lumens
Luminaire Efficacy = 83.24 lm/W

## SPACING CRITERION

| ALONG | ACROSS |
|---|---|
| 1.13 | 0.88 |

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