

**PHILIPS**  
**Day-Brite**  
**CFI**

Recessed

FluxGrid LED 2x2

3000, 3800, or 4500 lumens



Project: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Cat.No: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Lumens: \_\_\_\_\_ Qty: \_\_\_\_\_  
 Notes: \_\_\_\_\_

The Philips Day-Brite / Philips CFI Recessed FluxGrid LED offers architectural appeal with “must have” features. Two different lens styles, discrete air handling, integral emergency, and access to the boards and driver from below make FluxGrid an ideal solution for a wide range of applications.

**Ordering guide**

**Example: 2FGG38B840-2-D-UNV-DIM**

Width	Family	Ceiling Type	Air Function	Lumens	Color	Length	Center Diffuser	Voltage	Driver	Options
2	FG	G				2				
2 2'	FG FluxGrid	G Grid	Blank <sup>1</sup> Static H Air return	<i>Standard Configurations</i> <b>30L</b> 3000 nominal delivered lumens <b>38L</b> 3800 nominal delivered lumens <b>45L</b> 4500 nominal delivered lumens  <i>Base Configurations</i> <b>38B<sup>1</sup></b> 3800 nominal delivered lumens	<b>830</b> 80 CRI, 3000K <b>835<sup>1</sup></b> 80 CRI, 3500K <b>840<sup>1</sup></b> 80 CRI, 4000K <b>850</b> 80 CRI, 5000K	2 2'	<b>D<sup>1</sup></b> Diffuse (ribbed) <b>DS<sup>1</sup></b> Diffuse (smooth)	<b>UNV<sup>1</sup></b> Universal voltage 120-277V <b>120<sup>2</sup></b> 120V <b>277<sup>2</sup></b> 277V <b>347</b> 347V	<b>DIM<sup>1,6</sup></b> 0-10V dimming <b>SDIM</b> Step dimming to 40% input power <b>XDIM<sup>2</sup></b> MarkX phase dimming <b>L3D<sup>3</sup></b> Lutron Hi-lume A 1% dimming <b>LDE</b> Lutron LDE5 5% dimming <b>DALI</b> DALI	<b>F1<sup>1</sup></b> 3/8" flex, 3 wire 18 gauge 6' <b>F2<sup>1</sup></b> 3/8" flex, 4 wire 18 gauge 6' <b>F1/D<sup>1</sup></b> 3/8" twin flex, 3 wire 18 gauge 6' for dimmable luminaires <b>F2/SW<sup>1</sup></b> 3/8" single flex, 5 wire 18 gauge 6' for dimmable luminaires <b>F2/6W<sup>1</sup></b> 3/8" single flex, 6 wire 18 gauge 6' for dimmable and EMLED luminaires <b>GLR<sup>1</sup></b> Fusing, fast blow <b>EMLED<sup>1,5</sup></b> Integral emergency battery pack <b>DAYOCC<sup>4</sup></b> Integral sensor, daylighting and occupancy, Philips EasySense SNS102 <b>CHIC<sup>1</sup></b> Chicago Plenum rated

**Footnotes:**

1. Base configurations available with noted options.
2. XDIM requires 120V or 277V specification.
3. Specify 38L or 45L lumen packages only.
4. Specify DIM driver option only with DAYOCC controls option. Dimming via wall switch.
5. Philips Bodine BSL310, 1100lm nominal delivered.
6. 0-10v dimming to 1% for Standard, and 5% for Base configurations.

**Accessories (order separately)**

- **FMA22** – 2'x2' "F" mounting frame for NEMA "F" mounting
- **FGD2L** – FG 2' ribbed replacement lens
- **FGDS2L** – FG 2' smooth replacement lens
- **FGHD2L** – FG 2' air return ribbed replacement lens
- **FGHDS2L** – FG 2' air return smooth replacement lens

**Energy data**

Luminaire	Catalog Number	Input Power	Efficacy
2x2 Standard	2FGG30L840	27.1	112
	2FGG38L840	33.4	110
	2FGG45L840	44.6	106
2x2 Base	2FGG38B840	33.6	114



# 2FG Recessed FluxGrid LED 2x2

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## Application

- 3" deep low profile configuration provides minimal penetration into the plenum space
- Acrylic diffuser available in ribbed and smooth configurations provides even illumination with comfortable appeal
- Standard and base configurations available in multiple lumen packages to suit the needs of various applications
- Lambertian distribution creates uniform horizontal and vertical illuminance on the work plane and reduces scalloping on the walls
- CRI 80 minimum color rendering with balanced spectrum
- LEDs coupled with standard dimming provide prolonged lumen maintenance. Optional integral sensors contribute further to LED lumen maintenance
- Designed for use with standard Grid (NEMA "G") or Narrow Grid (NEMA "NFG" ceiling T-bars. Drywall or plaster applications require use with the FMA24 "F" mounting frame accessory (sold and shipped separately)
- Continuous row mounting is possible with a 1" gap between fixtures accommodated by others

## Enclosure

- Opal acrylic diffuser provides visually comfortable lumenance without compromise to luminaire efficacy.
- Diffuser requires no frames or fasteners and can be easily removed from below without the use of tools

## Construction/Finish

- Uncomplicated design is 3" deep with minimal material overlap creating several benefits:
  - Less material required
  - Less packaging required
  - Reduced weight for ease of handling and transit
  - Less energy required for construction and assembly
  - More luminaires can be shipped per truck to reduce fuel consumption
- Metal side covers are die formed with a conical shape to enhance light distribution and visual aesthetic
- Injection molded lens retainers allow for easy, tool-free access to the LED boards and driver from below, and provide positive lens retention
- Luminaire finish is matte white polyester powder coat for high quality, durable finish
- T-bar grid clips are integral to the body
- Air return option provides air flow through a unique lens retainer design. Air passes through architectural forms in the lens retainers (each end), and through the end plate of the luminaire. A cover plate is provided to control air flow through the luminaire, or make it static as required
- Integral controls options include sensor mounted in one lens retainer. Controls are commissioned via intuitive Philips app on a Droid smartphone either through NFC or an IR blaster
- EMLED option requires the emergency battery pack be installed with a top side cover. Access from above

## General notes

- All options are factory installed
- All accessories are field installed
- Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility

## Electrical

- Integral sensor options for occupancy sensing and/or daylight harvesting are available for additional energy savings with no reduction of life or increase in installation labor
- Standard configurations provide up to 120 lumens per watt and are available with 5 lumen packages and 3000, 3500, 4000, and 5000K color temperatures
- Base configurations provide up to 124 lumens per watt and are available in 4200 lumen flux and 3500K and 4000K color temperatures
- LED boards are accessible from below by removal of the lens. Lens removal is tool-free by compressing the sides and pushing to one end
- LED driver is accessible from below by removal of the lens and integral wireway cover. The wireway cover is easily removed with a flat head screwdriver
- Other driver options including step dimming (SDIM, 100%/40%), DALI, phase dimming (XDIM), and Lutron are available
- Five year limited luminaire warranty includes LED boards and driver (emergency driver and batteries have a three year warranty in models so equipped). Visit [www.philips.com/warranties](http://www.philips.com/warranties) for complete warranty information
- TM-21 predicted L70 lumen maintenance up to 85,000 hours
- cETLus listed to UL and CSA standards, suitable for damp locations
- FluxGrid luminaires are DesignLights Consortium qualified. Please see the DLC QPL list for exact catalog numbers (<http://www.designlights.org/QPL>)

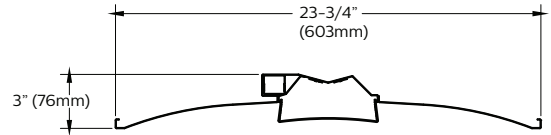
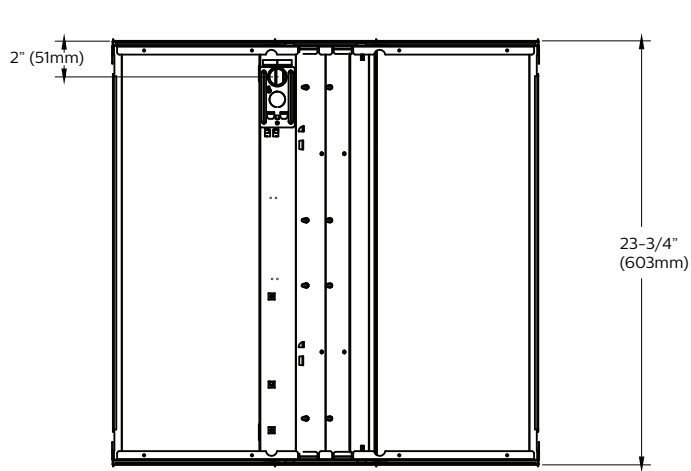
## DAYOCC

- Integrated fixture mount Philips EasySense sensor featuring daylight and PIR occupancy sensing
- Compatibility with Philips Advance Xitanium SR Sensor Ready LED drivers
- Features automatic or manual on/off scenarios for code compliance and to realize full energy savings potential
- Basic grouping to a wireless switch via an IR interface with the Philips Field App
- Self-powered single rocker switch Illumra #ZBT-S1AWH (sourced by others), up to 40 luminaires may be grouped to a single switch
- Register for the commissioning app at <http://registration.componentcloud.philips.com/appregistration/>
- For more information visit [www.philips.com/EasySense](http://www.philips.com/EasySense)

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## Dimensions



Controls sensor integrated into one lens retainer.



The air return option allows air to flow through vents in the lens retainers on each end. Air blades are provided on each end of the luminaire to control air flow to the plenum.

