

# Day-Brite

## CFI

by Signify

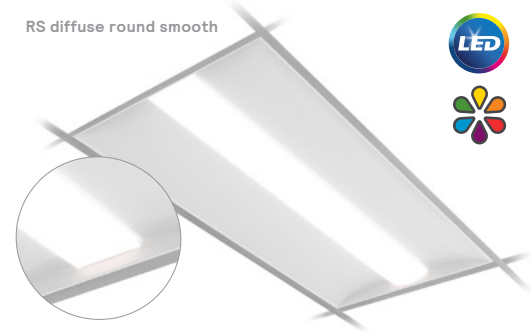
### Recessed

### FluxGrid gen 2 2x4

2FGX up to 9000 lumens

RS diffuse round smooth

FS diffuse flat smooth



Day-Brite / CFI FluxGrid gen 2 LED recessed luminaires offer architectural appeal with “must have” features. Two different lens styles, discrete air return, integral emergency, and access to the boards and driver from below make FluxGrid gen 2 an ideal solution for a wide range of applications. FluxGrid gen 2 offers premium quality of light with AccuRender high efficacy CRI 90+. Options include Interact, AccuRender Tunable White and new BioUp high melanopic tunable technology to enhance your daily life. FluxGrid gen 2 LED recessed includes AccuDIM technology for the highest color quality at the highest efficacy.

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

### Ordering guide

Standard configurations available with all choices, unless otherwise noted. Base configurations selections indicated by blue.

Example: 2FGXG38B840-2-RS-UNV-DIM

Width	Family	Ceiling Type	Air Function	Lumens (nominal delivered)	Color	Length	Center Diffuser	Voltage	Driver	Options
<b>2</b>	<b>FGX</b>	<b>G</b>				<b>4</b>				
2 2'	FGX FluxGrid	G Grid	Blank Static H Air return	Base Configurations 42B 4200  Standard Configurations 20L 2000 38L 3800 43L 4300 48L 4800 54L 5400 74L 7400 85L 8500 90L 9000  9TW <sup>4</sup> 90 CRI, 2700K Standard configuration lumen packages may be ordered in increments of 100lms from the lowest to highest lumen package BIO <sup>4</sup> 90 CRI 2700K thru 5000K	830 80 CRI, 3000K 835 80 CRI, 3500K 840 80 CRI, 4000K 850 80 CRI, 5000K 935 90 CRI, 3500K 940 90 CRI, 4000K 950 90 CRI, 5000K  90 CRI, 2700K thru 6500K 90 CRI 2700K thru 5000K	4 4'	FS Diffuse flat smooth RS Diffuse round smooth F Diffuse flat ribbed R Diffuse round ribbed	UNV Universal voltage 120-277V  347 347V	DIM <sup>1</sup> Dimming SDIM Step dimming to 30% input power XDIM <sup>9,10</sup> MarkX phase dimming LDE <sup>5</sup> Lutron LDE11% dimming DALI DALI	F1 3/8" flex, 18 gauge 6'; 3 leads include hot, neutral, ground. F2 3/8" flex, 18 gauge 6'; 4 leads include 2 hots, neutral, ground F1/D <sup>13</sup> 3/8" twin flex, 18 gauge 6' for dimmable luminaires; Flex 1: 3 leads include hot, neutral, ground; Flex 2: 2 leads, Dim +/-Dim - 3/8" single flex, 18 gauge 6' for dimmable luminaires; 5 leads include hot, neutral, ground, Dim +/- Dim - 3/8" single flex, 18 gauge 6' for dimmable and emergency luminaires; 6 leads include 2 hot, neutral, ground, Dim +/- Dim - Fusing, fast blow GLR Bodine 10W self-testing battery pack BSL10LST <sup>4</sup> Bodine 6W self-testing battery pack DSC Quick driver disconnect CHIC Chicago Plenum rated ER100 <sup>3,6,7</sup> UL924 listed sensor bypass relay, factory installed between driver & sensor GTD/E <sup>4,6</sup> UL924 listed Bodine GTD factory installed on driver input GTD/SNSR <sup>4,6,7</sup> UL924 listed Bodine GTD factory installed between driver and sensor SWZCS <sup>2,8</sup> Interact wireless sensor with integral daylight & occupancy sensing, advanced grouping with dwell time RADIO <sup>2</sup> Interact RF sensor for wireless connectivity only, no sensing IAOSB <sup>2,8</sup> Interact Pro wireless sensor with occupancy, daylight, and environmental sensing capabilities AG Antimicrobial finish BAC <sup>1</sup> Meets the requirements of the Buy American Act of 1933 (BAA)

- Integral controls options dimmable to 1% via wireless wall switch. Non-controls options are 0-10v dimmable to 1% for Standard configurations, and to 10% for Base configurations.
- Specify only with -DIM driver option.
- ER100 option not available with Bodine EM battery packs.
- Not available with 347V.
- Option is qualified as Engineered-to-Order (ETO) ready. Lead times and minimum order quantities may vary, please consult factory.
- Must be installed in conjunction with a UL1008 device.
- Must be ordered with an integral sensing option.
- Must order IRT9015 Interact commissioning remote with each system order.
- XDIM requires 120V
- XDIM max lumen output 54L. <43L requires ELV dimmer; >43L requires Triac dimmer
- Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.
- Consult Signify to confirm whether specific accessories are BAA-compliant.
- Flex with dimming not available with Interact sensors.
- Tunable White and BioUp options are available with Interact scalable wireless or with 2ch 0-10V or DALI-2 wired drivers. 9TW lumen range 20L-48L. BIO lumen range 20L-45L.

### Accessories<sup>12</sup> (order separately)

- FSF24 - 2'x4' surface mount field installation kit (field assembled)
- FMA24 - 2'x4' "F" mounting frame for NEMA "F" ceiling
- FSK24 - 2'x4' surface mount field installation kit (factory welded seams)

### Replacement Lens (order separately)

- FGXRS4L - FGX 4' round smooth replacement lens
- FGXR4L - FGX 4' round ribbed replacement lens
- FGXFS4L - FGX 4' flat smooth replacement lens
- FGXF4L - FGX 4' flat ribbed replacement lens
- FGXHFS4L - FGX 4' air return flat smooth replacement lens
- FGXHF4L - FGX 4' air return flat ribbed replacement lens
- FGXHR4L - FGX 4' air return round smooth replacement lens
- FGXHR4L - FGX 4' air return round ribbed replacement lens
- FGXCF4L - FGX 4' controls flat smooth replacement lens
- FGXCF4L - FGX 4' controls flat ribbed replacement lens
- FGXCR4L - FGX 4' controls round smooth replacement lens
- FGXCR4L - FGX 4' controls round ribbed replacement lens

### SWZCS accessories (order separately)

- IRT9015 - handheld remote for grouping and configuration (at least one remote required for any SWZCS installation).



interact ready.

# 2FGX FluxGrid gen 2 recessed 2x4

up to 9000 lumens

## Application

- 3-1/8" deep low profile configuration provides minimal penetration into the plenum space.
- Acrylic diffusers available in round and flat smooth configurations which 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 requirements can be accommodated by using an FMA24 "F" mounting frame (sold separately).
- Continuous row mounting is possible with a 1" gap between fixtures accommodated by others.

## 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.

## 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.

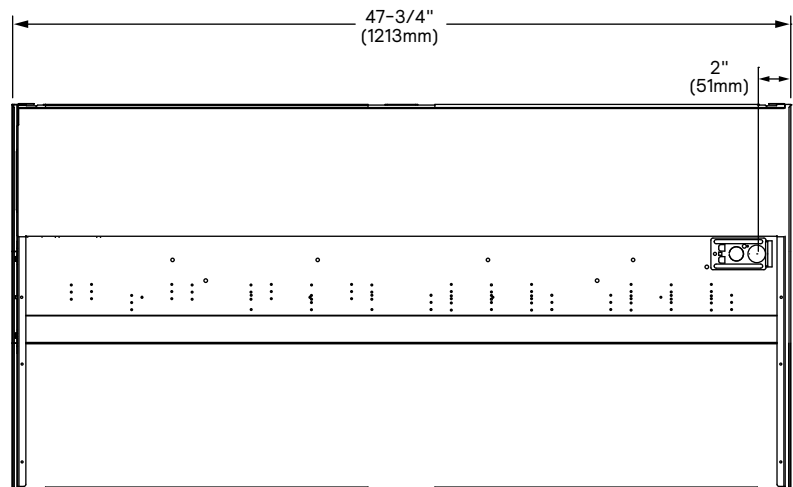
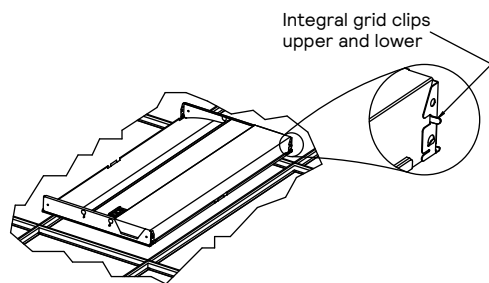
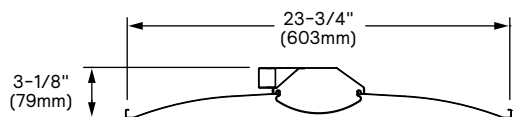
## Construction/Finish

- Uncomplicated design is 3-1/8" 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.
- 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 architectural forms located at each end of the lens. Air passes through these forms and through the end plates 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 architectural form at one end of the lens.
- Bodine BSL10LST and BSL6LST options require the emergency battery pack be installed with a top side cover. Access from above.
- To estimate lumen output in emergency mode, multiply emergency pack wattage by efficacy, then by 1.10.

## 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 146 lumens per watt and are available with multiple lumen packages and 3000, 3500, 4000, and 5000K color temperatures.
- Base configuration provides up to 141 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.
- LED driver is accessible from below by removal of the lens and integral wireway cover.
- Other driver options including step dimming (SDIM, 100%/40%), DALI, phase dimming (XDIM), and Lutron are available.
- 5 year manufacturer's limited warranty. Visit [signify.com/warranties](http://signify.com/warranties) for complete warranty information.
- TM-21 predicted L70 lumen maintenance up >100,000 hours.
- cETLus listed to UL and CSA standards, suitable for damp locations.
- Base and Standard configurations are IC rated.

## Dimensions



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up to 9000 lumens

## Wireless Controls Options

### Emergency Options (ER100)

- Power Sensing (Factory default) – Recommended UL924 option requires unswitched power sense line, absence of voltage on the normal circuit triggers luminaire to 100% output
- Power Interruption Detection (Field option) – Detects AC power interruption >30ms triggers 90 minute emergency mode with luminaire at 100% output

FluxGrid shown with integral sensor



### Interact – a scalable sensor

- SWZCS is a connected sensor with integral occupancy and daylight sensing and supports wireless mesh connectivity.
- The sensor works in the Foundation mode (similar to SpaceWise) when configured without a gateway or in an Interact Pro Advanced or Enterprise mode if a compatible gateway is used.
- Interact includes an App, a portal and a broad portfolio of wireless luminaires, lamps and retrofit kits all working on the same system.
- Startup is implemented via Interact Pro App (Android or iPhone) & Bluetooth connectivity. The App provides flexibility to choose between a gateway or non gateway mode for setup.
- Setup with the gateway requires wired internet access to the gateway. It is possible to add a gateway at a later point.
- Prepare project configuration steps remotely and use IRT9015 remote onsite to identify and group devices together.

- Compatible with:
  - SWS200 wireless scene switch
  - Battery powered IP42 presence sensor OCC sensor IA CM WH 10/1
  - Battery powered IP42 presence & daylight sensor OCC-DL sensor IA CM IP42 WH
  - LCN3110: Battery powered IP65 presence sensor, OCC sensor IA CM IP65WH
  - LCN3120: Battery powered IP65 presence & daylight sensor, OCC-DL sensor IA CM IP65 WH
- For more information on Interact Pro visit: [www.interact-lighting.com/interactproscalablesystem](http://www.interact-lighting.com/interactproscalablesystem)

### Radio only sensor (RADIO)

- Integral RADIO only sensor simply enables wireless mesh connectivity to the luminaire without any occupancy or daylight sensing.
- Ideal for applications where sensing functionality is managed by other Interact devices and the luminaire only needs to have wireless connectivity.
- Interact Pro includes an App, a portal and a broad portfolio of wireless luminaires, lamps and retrofit kits all working on the same system.
- Startup is implemented via Interact Pro App (Android or iPhone) & Bluetooth connectivity. The App provides flexibility to choose between a gateway or non-gateway mode for setup.
- Setup with the gateway requires wired internet access to the gateway. It is possible to add a gateway at a later point.
- Prepare project configuration steps remotely, identify and group devices together onsite.
- Compatible with UID8451/10 wireless dimmer switch, SWS200 wireless scene switch, wireless Occ sensor (OCC SENSOR IA CM IP42 WH 10/1) and wireless Day/Occ sensor (OCC MULTI SENSOR IA CM WH 10/1).
- For more information on Interact Pro visit: [www.interact-lighting.com/interactproscalablesystem](http://www.interact-lighting.com/interactproscalablesystem)

### Interact scalable sensor bundles for Enterprise tier

- IAOSB option in addition to occupancy and daylight sensing supports advanced IoT capabilities such as people estimation analysis, desk level temperature & humidity sensing, noise classification, and BLE beacon.
- Compatible with SWS200 wireless scene switch and Interact Ready wireless battery powered sensors.
- Use Interact software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Requires compatible Gateway and internet connectivity for commissioning.
- For more information, visit: [www.interact-lighting.com/office](http://www.interact-lighting.com/office) or [www.usa.lighting.philips.com/systems/system-areas/offices](http://www.usa.lighting.philips.com/systems/system-areas/offices)

### Tunable White & BioUp:

- Tunable White & BioUp options are available with Interact Pro wireless or with 2ch 0-10V or DALI-2 (DT6 or DT8) wired drivers. (extended lead times may apply).
- Signify tunable white solutions are designed to help maximize the influence of lighting on your daily life.
- Dynamic behaviors via scheduled lighting recipes mimicking daylight patterns or supporting biorhythms.
- Scene setting via lighting pre-sets based on various combinations of lighting color temperature and intensity.

## Interact supported sensor option codes across Genlyte product lines

	Evokit	Day-Brite	Ledalite	Lightolier
ZigBee + Bluetooth + Sensing	SWZCS	SWZCS	CS	SBA accessory (external)
ZigBee + Bluetooth	RADIO	RADIO	RA	RA
ZigBee + Bluetooth + Sensing + Environmental data	IAOSB	IAOSB	SB	SB
ZigBee + Highbay + Sensing	-	SWZCSH	-	-