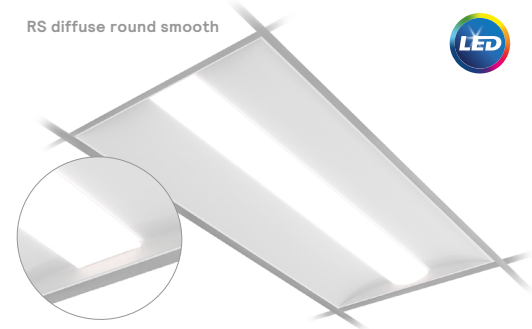# Day-Brite CFI
by **Signify**

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 offers 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.

Ordering guide – standard & wireless controls
Standard configurations available with all choices, unless otherwise noted. Base configurations selections indicated by blue.

example: 2FGXG42B840-4-RS-UNV-DIM

Width	Family	Ceiling Type	Air Function	Lumens (nominal delivered)	Color	Length	Center Diffuser	Voltage	Driver	Options	
2	**FGX**	**G**				**4**					
2 2'	**FGX** FluxGrid	**G** Grid	**Blank** Static H Air return	Base Configurations **42B** 4200	**830** 80 CRI, 3000K	**4** 4'	**FS** Diffuse flat smooth	**UNV** Universal voltage 120-277V	**DIM**[1] Dimming SDIM Step dimming to 40% input power	**F1**	3/8" flex, 3 wire 18 gauge 6'
				Standard Configurations **20L** 2000 **38L** 3800 **43L** 4300 **48L** 4800 **54L** 5400 **74L** 7400 **85L** 8500 **90L** 9000	**835** 80 CRI, 3500K **840** 80 CRI, 4000K **850** 80 CRI, 5000K **935**[5] 90 CRI, 3500K **940**[5] 90 CRI, 4000K **950**[5] 90 CRI, 5000K		**RS** Diffuse round smooth	**347** 347V	XDIM[9,10] MarkX phase dimming LDE[5] Lutron LDE5 5% dimming DALI DALI	**F2** **F1/D** **F2/5W** **F2/6W** **GLR** **BSL10LST**[4] **BSL6LST**[4] **DSC** **CHIC**[3] **ER100**[6,7] GTD/E[4,6] GTD/SNSR[4,6,7] SWZCS[2,8] SWZDT[2] RADIO[2] IAOSB[2,8] AG BAC[11]	3/8" flex, 4 wire 18 gauge 6'; 3/8" twin flex, 3 wire 18 gauge 6' for dimmable luminaires; 3/8" single flex, 5 wire 18 gauge 6' for dimmable luminaires; 3/8" single flex, 6 wire 18 gauge 6' for dimmable and EMLED luminaires; Fusing, fast blow; Bodine 10W self-testing battery pack; Bodine 6W self-testing battery pack; Quick driver disconnect; Chicago Plenum rated; UL924 listed sensor bypass relay, factory installed between driver & sensor; UL924 listed Bodine GTD factory installed on driver input; UL924 listed Bodine GTD factory installed between driver and sensor; Interact Pro scalable sensor with integral daylight & occupancy sensing, advanced grouping with dwell time; SpaceWise only sensor, daylighting and occupancy, advanced grouping with dwell time; Interact Pro RF sensor, enables wireless connected lighting control; Interact Office advanced wireless sensor bundle, integral SC1500 w/IoT capabilities for enterprise scale projects; Antimicrobial finish; Meets the requirements of the Buy American Act of 1933 (BAA)
				Standard configuration lumen packages may be ordered in increments of 100lms from the lowest to highest lumen package							

1. Integral controls options dimmable to 5% via wireless wall switch. Non-controls options are 0-10v dimmable to 1% for Standard configurations, and to 10% for Base configurations.
2. Specify only with -DIM driver option.
3. CHIC option not provided with air return functionality.
4. Not available with 347V.
5. Option is qualified as Engineered-to-Order (ETO) ready. Lead times and minimum order quantities may vary, please consult factory.
6. Must be installed in conjunction with a UL1008 device.
7. Must be ordered with an integral sensing option.
8. Must order IRT9015 Interact commissioning remote with each system order.
9. XDIM requires 120V or 277V specification.
10. Only available in lumen package range from 45L-60L.
11. 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.
12. Consult Signify to confirm whether specific accessories are BAA-compliant.

Accessories[12] (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)

SWZCS accessories[10] (order separately)
- **IRT9015** – handheld remote for grouping and configuration (at least one remote required for any SWZCS installation).
- **UID8451/10** – Wireless Dimmer Switch Selector
- **UID8461/10** – Wireless Scene Selector

Not all product variations listed on this page are DLC qualified. To ensure that a specific model is qualified, visit www.designlights.org/search

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).
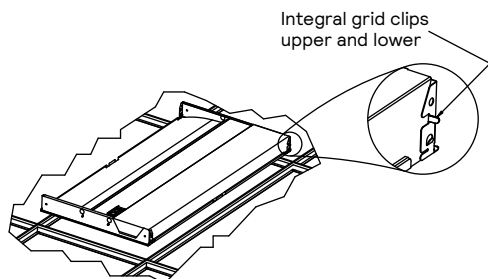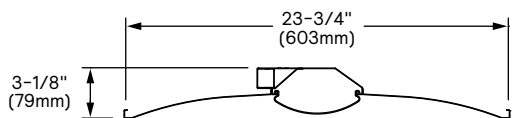- Continuous row mounting is possible with a 1" gap between fixtures accommodated by others.

Enclosure
- Opal acrylic diffuser provides visually comfortable luminance 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.
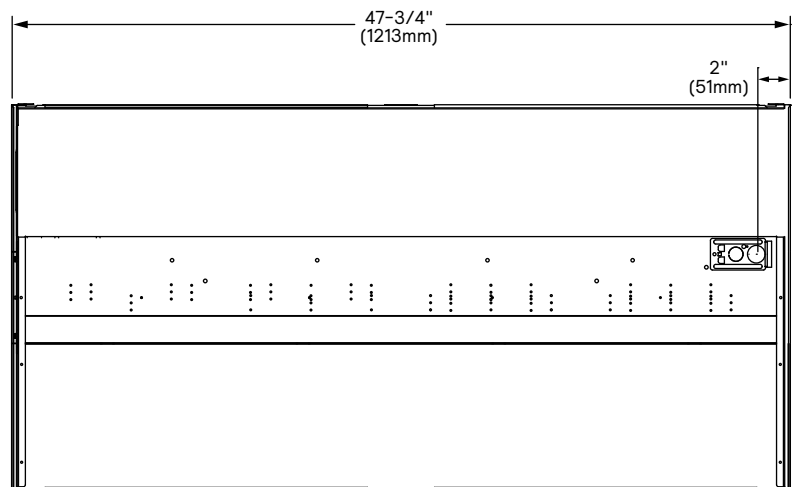
General notes
- All options are factory installed.
- All accessories are field installed.
- Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based 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 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 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.

Energy data

Luminaire	Catalog Number	Input Power	Efficacy
2x4 Standard	2FGXG20L840-4-RS-UNV	14	146
	2FGXG38L840-4-RS-UNV	27	141
	2FGXG43L840-4-RS-UNV	31	139
	2FGXG48L840-4-RS-UNV	36	137
	2FGXG54L840-4-RS-UNV	41	134
	2FGXG74L840-4-RS-UNV	60	125
	2FGXG85L840-4-RS-UNV	63	136
	2FGXG90L840-4-RS-UNV	67	135
2x4 Base	2FGXG42B840-4-RS-UNV	30	141

Dimensions

23-3/4" (603mm)

3-1/8" (79mm)

Integral grid clips upper and lower

47-3/4" (1213mm)

2" (51mm)

2FGX   FluxGrid gen 2 recessed 2x4

up to 9000 lumens

Wireless Controls Options

SpaceWise DT (SWZDT)

- Standalone daylight and occupancy sensing with advanced grouping, wireless mesh networking and dwell time.

- Commissioning via compatible Android phone and Philips Field App

- Dimming via compatible Zigbee wireless wall switch only (see link below for details)

- Register for the commissioning app at http://registration.componentcloud.philips.com/appregistration/

- Integral sensing options may not be combined

- For more information including recommended switches, refer to the following: –

  SWZDT – www.usa.lighting.philips.com/systems/lighting-systems/spacewise

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 Pro scalable sensor for Foundation, Advanced & Enterprise tiers (SWZCS and an evolution of SpaceWise)

- 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 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 and use IRT9015 remote onsite to identify and group devices together.

  - Compatible with:
    - UID8451/10 wireless dimmer switch
    - 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
    - Battery powered IP65 presence sensor OCC sensor IA CM IP65 WH
    - 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

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 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 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) and wireless Occupancy or Daylight & Occupancy sensors available.

- 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 or www.usa.lighting.philips.com/systems/system-areas/offices