

PHILIPS Day-Brite CFI

Recessed

EvoGrid
LED 2x2

Up to 4500 lumens



Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

The Philips Day-Brite / Philips CFI EvoGrid recessed LED utilizes highly reliable and efficient Philips LED platform boards and dimmable driver enabling market leading performance in its category. Its soft opal diffuser with large luminous area minimizes apparent brightness compared to other basket luminaires and provides general lighting perfect for a wide variety of applications.

Ordering guide

Example: 2EVG30L840-2-D-UNV-DIM

Width	Family	Ceiling Type	Air Function	Lumens	Color	Length	Center Diffuser	Voltage	Driver	Options
2	EV	G				2				
2 2'	EV EvoGrid	G Grid	blank Static Air Return	30L 3000 nominal delivered lumens 38L 3800 nominal delivered lumens 45L 4500 nominal delivered lumens	830 80 CRI, 3000K 835 80 CRI, 3500K 840 80 CRI, 4000K 850 80 CRI, 5000K	2 2'	D Diffuse (opal) DS Diffuse smooth (opal) R Diffuse round ribbed (opal) RS Diffuse round smooth (opal)	UNV Universal Voltage, 120-277 volt 120¹ 120V 277¹ 277V 347 347V	DIM^{1,6} Dimming Step dimming to 40% input power SDIM MarkX phase dimming L3D Lutron Hi-lume A 1% dimming LDE Lutron LDE5, 5% dimming DALI DALI	F1 3/8" flex, 3 wire 18 gauge 6' F2 3/8" flex, 4 wire 18 gauge 6' F1/D 3/8" twin flex, 3 wire 18 gauge 6' for dimmable luminaires F2/SW 3/8" single flex, 5 wire 18 gauge 6' for dimmable luminaires F2/6W 3/8" single flex, 6 wire 18 gauge 6' for dimmable and emergency luminaires GLR Fusing, fast blow EMLED Integral emergency battery pack, 1100lm nominal (ballast enclosure on top of luminaire) SWZG2^{3,4} Integral sensor, daylighting and occupancy, advanced grouping with dwell time and zoning SWZDT³ Integral sensor, daylighting and occupancy, advanced grouping with dwell time DAYOCC³ Integral sensor, daylighting and occupancy, basic grouping CHIC Chicago Plenum rated CRM⁵ Continuous row mount TAP Top access plate

Footnotes

- Integral SWZDT and DAYOCC options dimmable to 5% via wireless all switch. See page 2.
- XDIM requires 120V or 277V specification.
- Specify only with -DIM driver option.
- Must order SWZ-REMOTE SpaceWise handheld remote with each system order.
- CRM includes side cover with top access plate and additional end cover, 7/8" gap between fixtures.
- Non-controls and SWZG2 configurations are 0-10v dimmable to 1% for Standard configurations.

SpaceWise (SWZG2) accessories (order separately)

- LRM1743** – External sensor to increase occupancy coverage area of SpaceWise luminaire groups
- SWZ-REMOTE** – SpaceWise handheld remote for grouping and configuration (at least one remote required for any SpaceWise installation)
- UID8451/10** – Wireless Dimmer Switch Selector
- UID8461/10** – Wireless Scene Selector

Other accessories (order separately)

- FMA22** – 2'x2' "F" mounting frame for NEMA "F" mounting
- EVD2L** – EvoGrid 2'x2' rectangular ribbed replacement lens
- EVD52L** – EvoGrid 2'x2' rectangular smooth replacement lens
- EVR2L** – EvoGrid 2'x2' round ribbed replacement lens
- EVR52L** – EvoGrid 2'x2' round smooth replacement lens
- FSK22** – 2'x2' surface mount field installation kit (factory welded seams), order with -TAP (top access plate option (SWZG2 and EMLED option not available)
- FSF22** – 2'x2' surface mount field assembly kit, order with -TAP (top access plate option (SWZG2 and EMLED option not available)



2EV EvoGrid LED recessed 2x2

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Application

- A highly efficient, visually comfortable, architecturally styled recessed LED luminaire designed with a minimalistic strategy to achieve sustainable objectives.
- Low profile configuration is only 2-3/4" deep, requiring minimal plenum space
- Soft opal diffuser with large luminous area minimizes apparent brightness and provides high visual comfort perfect for a wide variety of general lighting applications like offices, schools, retail, or healthcare.
- Multiple lumen packages over a wide range to provide significant application flexibility over light levels and/or luminaire spacing.
- Directs a controlled amount of light to the higher angles in the room to balance the brightness of the surfaces and eliminate "cave effect" while creating the impression of a larger, brighter space without glare.
- Excellent color rendering with a CRI of 80.
- LEDs are an excellent source for use with controls since dimming or frequent switching does not degrade the performance or life of the source. Integral or external sensors are available for use.
- 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 mount option (CRM) includes wireway covers on each end and on one side of housing.

Construction/Finish

- Uncomplicated design is 2-3/4" in depth and only requires a few parts outside of the electrical system and hardware, creating several benefits:
 - Less material required
 - Less packaging required
 - Reduced weight
 - Less energy required for construction and assembly
 - More luminaires can be shipped per truck to reduce fuel use and emissions
- Luminaire finish is matte white polyester for a high quality, durable finish.
- T-bar grid clips are integral to body.
- Access plate located on end provides easy field wiring. TAP option provides top mounted access plate.

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.
- Total luminaire efficacy as high as 119 LPW (lumens per Watt).
- LED board is easily accessible from below without tools. Single LED board is replaceable if needed via plug-in connectors to ensure long service life.
- LED driver is accessible from above.
- Emergency driver is accessible from above. To estimate lumen output in emergency mode, multiply emergency pack wattage by efficacy, then by 1.10. Typical lumen output is 1300lm for EMLED.
- Step dim 100/40% and additional dimming options available.
- Five year limited luminaire warranty includes LED boards and driver. Visit www.philips.com/warranties for complete warranty information.
- TM-21 predicted L70 lumen maintenance up to 80,000 hours.
- cETLus listed to UL and CSA standards, suitable for damp locations.
- EvoGrid luminaires are DesignLights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers (<http://www.designlights.org/QPL>)

Enclosure

- Opal diffuser provides soft, comfortable lighting while maintaining high efficiency.
- Diffuser requires no frames or fasteners and can be easily removed from below without tools if needed.

General Notes

- All options 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.

SpaceWise (SWZG2)

- Commissioning via SWZ-REMOTE handheld remote, must order a minimum of one per installation
- 0-10V dimming to 1%
- Integral sensing options (DAYOCC, SWZG2, SWZDT) may not be combined
- For more information on the sensor, please refer to www.lightingproducts.philips.com/documents/webdb2/DayBrite/pdf/SWZG2_sensor.pdf
- Visit www.philips.com/spacewise for more information about SpaceWise Technology (SWZG2)

DAYOCC & SpaceWise DT (SWZDT)

- Commissioning via compatible Android phone and Philips Field App
- Dimming via compatible wireless wall switch only (see below)
- Register for the commissioning app at <http://registration.componentcloud.philips.com/appregistration/>
- Integral sensing options (DAYOCC, SWZG2, SWZDT) may not be combined
- For more information including recommended switches, refer to the following –

DAYOCC – www.lightingproducts.philips.com/documents/webdb2/DayBrite/pdf/DAYOCC_sensor.pdf

SWZDT – www.lightingproducts.philips.com/documents/webdb2/DayBrite/pdf/SWZDT_sensor.pdf

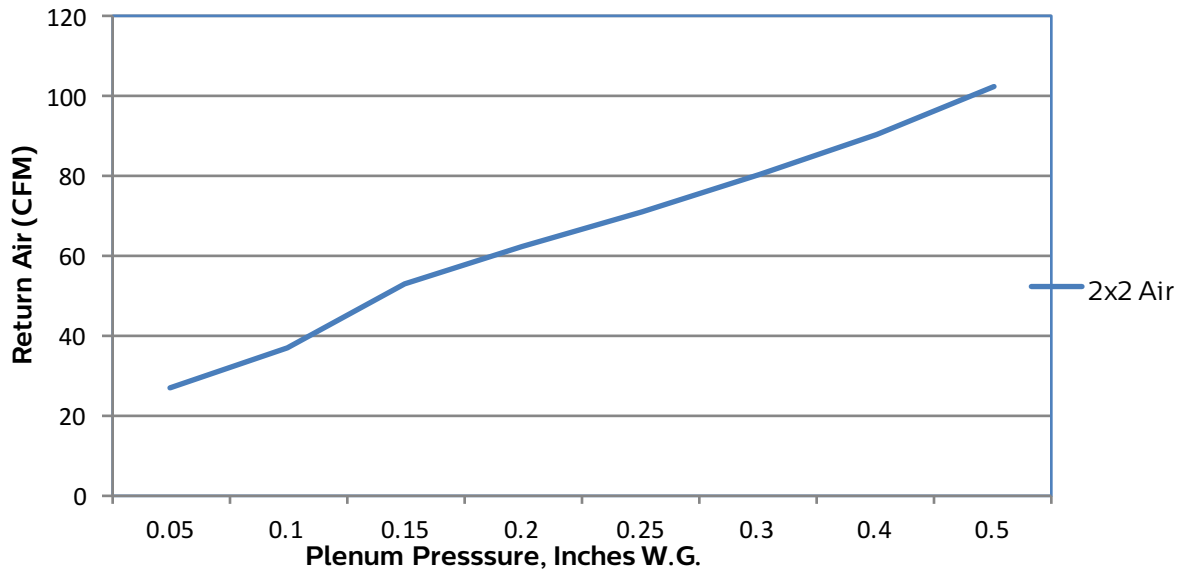
Energy data

Luminaire	Catalog Number	Input Power	Efficacy
2x2	2EVG30L840-2-D	25	119
	2EVG38L840-2-D	33	115
	2EVG45L840-2-D	39	114
	2EVG30L840-2-R	24	126
	2EVG38L840-2-R	31	126
	2EVG45L840-2-R	37	124

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Air return data



Pressure	0.05	0.1	0.15	0.2	0.25	0.3	0.4	0.5
CFM	27	37	53	62	71	80	90	102
Noise	<15	24	25	29	33	35	38	40