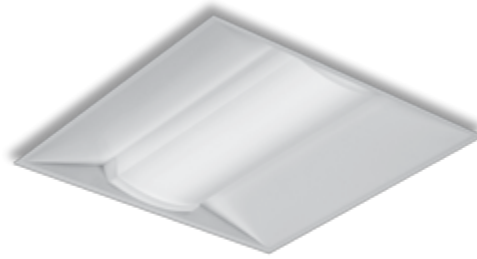


PHILIPS Day-Brite CFI

Recessed

EvoGrid LED 2x2

with Power over ethernet
(PoE) technology



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 solid state components 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: 2EVG27L840-2-D-LV-POE

Width	Family	Ceiling Type	Lumens	Color	Length	Diffuser	Voltage	Driver	Options
2	EV	G	27L	—	2	D	LV	POE	
2 2'	EV EvoGrid	G Grid	27L 2700 nominal delivered lumens	830 80 CRI, 3000K 835 80 CRI, 3500K 840 80 CRI, 4000K 850 80 CRI, 5000K	2 2'	D Diffuse (Opal)	LV Low voltage	POE Power over ethernet	SYS PoE daylight and motion detection CRM Continuous Row Mount

Accessories (order separately)

- FMA22 – 2'x2' "F" mounting frame for NEMA "F" mounting
- EVD2L – EvoGrid 2' replacement lens

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.
- 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 FMA22 "F" mounting frame (sold separately.)
- Continuous row mount option (CRM) includes wireway covers on each end and on one side of housing.



2EV EvoGrid recessed LED 2x2

with Power over ethernet (PoE), 2700 lumens

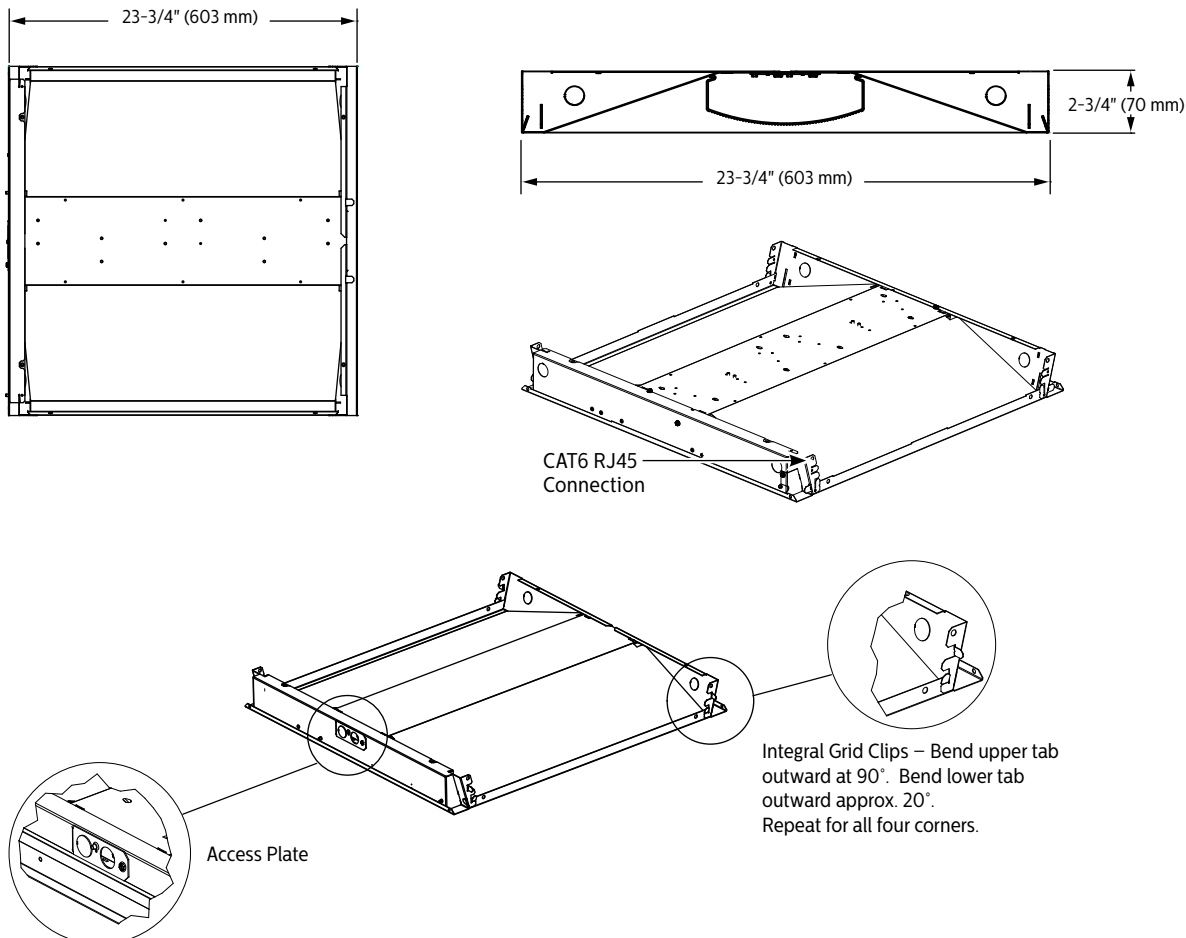
Construction/Finish

- 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.

Electrical

- Integral sensor options for occupancy and daylight harvesting are available for additional energy savings with no reduction of life or increase in installation labor.
- Philips PoE lighting controller.
- Wire access cover provides RJ45 connection point for PoE network.
- Integral sensor options for occupancy and daylight harvesting are available for additional energy savings with no reduction of life or increase in installation labor.
- 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.
- PoE lighting controller is accessible from above.
- Five year limited luminaire warranty includes LED boards and PoE lighting controller. Visit www.philips.com/warranties for complete warranty information.
- cETLus listed to UL and CSA standards, suitable for damp locations.

Dimensions



2EV EvoGrid recessed LED 2x2

with Power over ethernet (PoE), 2700 lumens

Photometry

2x2 EvoGrid, 3500K, 2700 nominal delivered lumens

Catalog No. 2EVG27L835-2-D-LV-POE Test No. 35941 S/MH 1.2 Lamp Type LED Lumens 2718 Input Watts 22 Comparative yearly lighting energy cost per 1000 lumens – \$1.97 based on 3000 hrs. and \$.08 pwr KWH. The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology. Photometric values based on test performed in compliance with LM-79.	Candela distribution				Light Distribution			Average Luminance					
	Vertical Angle		Horizontal Angle				Degrees	Lumens	% Luminare	Angle	End	45'	Cross
		0°	45°	90°	-45°	0-30	748.	27.5	45	8291.	8888.	9382.	
	0	977	977	977	977	0-40	1207.	44.4	55	7524.	8509.	9400.	
	5	967	974	979	974	0-60	2090.	76.9	65	6745.	8484.	9866.	
	15	924	937	945	937	0-90	2719.	100.0	75	5845.	8822.	10623.	
	25	833	851	866	851	0-180	2720.	100.0	85	4606.	7345.	8613.	
	35	707	736	759	736								
	45	562	603	636	603								
	55	414	468	517	468								
65	273	344	400	344									
75	145	219	264	219									
85	39	61	72	61									

2x2 EvoGrid, 4000K, 2700 nominal delivered lumens

Catalog No. 2EVG27L840-2-D-LV-POE Test No. 35942 S/MH 1.2 Lamp Type LED Lumens 2761 Input Watts 23 Comparative yearly lighting energy cost per 1000 lumens – \$1.98 based on 3000 hrs. and \$.08 pwr KWH. The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology. Photometric values based on test performed in compliance with LM-79.	Candela distribution				Light Distribution			Average Luminance					
	Vertical Angle		Horizontal Angle				Degrees	Lumens	% Luminare	Angle	End	45'	Cross
		0°	45°	90°	-45°	0-30	759.	27.5	45	8421.	9027.	9540.	
	0	992	992	992	992	0-40	1226.	44.4	55	7651.	8625.	9567.	
	5	981	989	994	989	0-60	2122.	76.8	65	6851.	8600.	10078.	
	15	938	952	960	952	0-90	2762.	100.0	75	5950.	8963.	10913.	
	25	845	864	879	864	0-180	2762.	100.0	85	4689.	7668.	9092.	
	35	718	747	770	747								
	45	571	612	647	612								
	55	421	475	526	475								
65	278	349	409	349									
75	148	223	271	223									
85	39	64	76	64									

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