

PHILIPS
Day-Brite
CFI

Recessed

ClearAppeal
LED 2x4

3600, 4200, 5500,
or 7000 lumens



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

The Philips Day-Brite / Philips CFI ClearAppeal Recessed Architectural LED offers smooth brightness across the face of the luminaire and provides excellent visual comfort. Its modern architectural styling complements any space.

Ordering guide

Example: 2CAG42L840-4-DS-UNV-DIM

Width	Family	Ceiling Type	Lumens	Color	Length	Center Diffuser	Voltage	Dimming	Options
2	CA				4	DS			
2 2'	CA ClearAppeal	G Grid F Flange	36L 3600 nominal delivered lumens 42L 4200 nominal delivered lumens 55L 5500 nominal delivered lumens 70L 7000 nominal delivered lumens	830 80 CRI, 3000K 835 80 CRI, 3500K 840 80 CRI, 4000K	4 4'	DS Diffuse (smooth)	UNV Universal Voltage, 120-277 volt 347 347V	DIM 0-10V dimming (control leads factory installed and extended to access plate) SDIM ¹ Step dimming to 40% input power	F1 3/8" flex, 3 wire 18 gauge F2 3/8" flex, 4 wire 18 gauge F1/D 3/8" twin flex, 3 wire 18 gauge for dimmable luminaires. F2/SW 3/8" single flex, 5 wire 18 gauge for dimmable luminaires. GLR1 Fusing, fast blow EMLED Integral emergency battery pack (requires ballast enclosure on top of luminaire) OCC Integral sensor, occupancy DAY Integral sensor, daylighting DAYOCC Integral sensor, daylighting and occupancy

Footnotes

1 SDIM may not be available on all products. Consult factory.

Accessories (order separately)

- FMA24 – 2'x4' "F" mounting frame for NEMA "F" mounting



2CA ClearAppeal Recessed LED 2x4

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Application

- Modern architectural styling to complement any space.
- Smooth brightness across the face of the luminaire prevents glare and provides excellent visual comfort.
- Directs a controlled amount of light to higher angles to eliminate “cave effect” without creating glare.
- Ideal for modern offices, schools and retail environments.
- Excellent luminaire efficacy provides significant energy savings.
- High CRI source provides excellent color rendering.
- LEDs are an excellent source for use with controls since frequent switching does not affect the life of the light source.
- Grid and Flange models available.

- Certain luminaire components may be adversely affected by contaminants. If sulfur, chlorine, or petroleum based solutions, or other contaminants will be in the area of operation, please consult factory as damage caused by these contaminants is not covered under our limited warranty.

Construction/Finish

- One piece die-formed embossed steel housing provides added rigidity, resists damage during shipment/handling.
- T-bar grid clips are built into luminaire ends for quick and easy installation, no extra parts required.
- Suitable for end-to-end mounting.
- End K.O.s for thru wiring or conduit entry in shallow plenums.

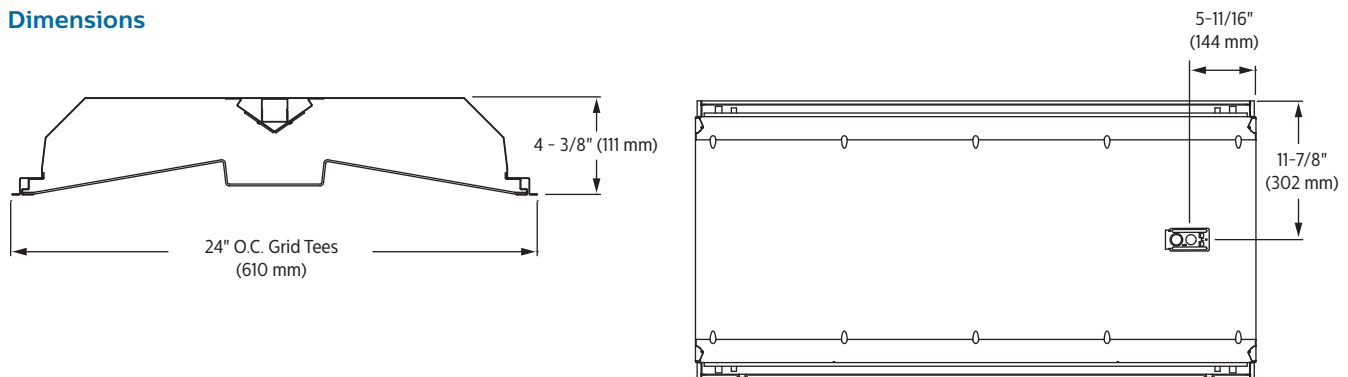
Electrical

- Driver and LED boards are easily accessible from below. LED boards are individually replaceable if required.
- 0-10V dimming is standard.
- Five-year luminaire limited warranty including LED boards and driver.
- High efficiency LEDs have 50,000 hour L70 rated life (defined as 70% lumen maintenance.)
- ETL listed to UL standards, suitable for damp locations.
- ClearAppeal luminaires are Designlights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers (<http://www.designlights.org/QPL>).

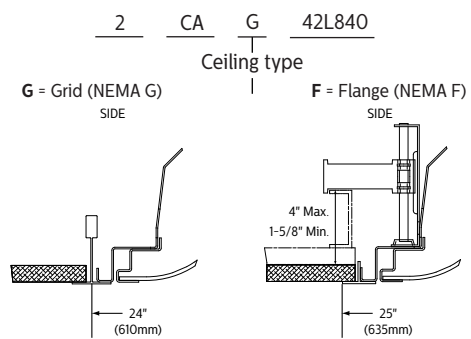
Enclosure

- Single piece thermo formed acrylic lens with smooth center diffuser (DS).

Dimensions

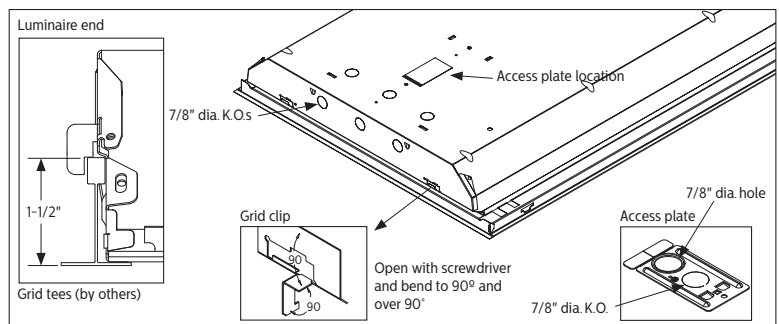


Ceiling configuration



(NEMA Type G)
Lay-in acoustical ceilings using exposed grid suspension, with tees for luminaires on 24" x 48" spacing.

(NEMA Type F)
Flange for acoustical ceilings using concealed mechanical suspension. Swing-jack mounting brackets: adjustment 4" max and 1-5/8" min. Refer to sheet 801-CL for cut-out information.



2CA ClearAppeal Recessed LED 2x4

3600, 4200, 5500, or 7000 lumens

Photometry

2x4 ClearAppeal Recessed LED, 3600 nominal delivered lumens

LER – 110

Catalog No.	2CAG36L840-4-DS-UNV	Candlepower				Light Distribution			Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
Test No.	34003	0	1220	1220	1220	0-30	949	26.2	45	1742	1806	1848
S/MH	1.3	5	1212	1215	1218	0-40	1554	43.0	55	1665	1767	1844
Lamp Type	LED	15	1167	1174	1180	0-60	2767	76.5	65	1535	1731	1873
Lumens	3617	25	1077	1089	1099	0-90	3616	100.0	75	1302	1772	1992
Input Watts	32.8	35	949	970	983				85	836	1423	1392
		45	794	823	842							
		55	615	653	681							
		65	418	471	510							
		75	217	295	332							
		85	47	80	78							
Comparative yearly lighting energy cost per 1000 lumens – \$2.18 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.												
						Coefficients of Utilization						
						EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)						
						pcc			80 70 50			
						pw			70 50 30 70 50 30 50 30			
						RCR						
						0			118 118 118 115 115 115 111 111			
						1			108 103 98 105 101 96 96 93			
						2			97 89 81 94 88 81 83 78			
						3			89 78 69 86 77 68 73 67			
						4			81 68 59 79 68 58 65 57			
						5			75 61 53 72 60 52 57 51			
						6			68 55 46 67 55 46 53 45			
						7			64 50 40 61 48 40 47 40			
						8			59 46 36 57 45 36 44 35			
						9			56 41 34 54 40 33 40 33			
						10			52 39 30 51 38 30 36 29			

2x4 ClearAppeal Recessed LED, 4200 nominal delivered lumens

LER – 110

Catalog No.	2CAG42L840-4-DS-UNV	Candlepower				Light Distribution			Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
Test No.	34005	0	1482	1482	1482	0-30	1153	26.2	45	2119	2196	2245
S/MH	1.3	5	1472	1476	1479	0-40	1888	42.9	55	2022	2153	2241
Lamp Type	LED	15	1417	1427	1433	0-60	3366	76.4	65	1866	2115	2280
Lumens	4406	25	1309	1324	1334	0-90	4406	100.0	75	1585	2181	2428
Input Watts	40.1	35	1154	1178	1193	0-180	4406	100.0	85	1010	1708	1753
		45	965	1000	1023							
		55	747	795	828							
		65	508	576	621							
		75	264	364	405							
		85	57	96	98							
Comparative yearly lighting energy cost per 1000 lumens – \$2.18 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.												
						Coefficients of Utilization						
						EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)						
						pcc			80 70 50			
						pw			70 50 30 70 50 30 50 30			
						RCR						
						0			118 118 118 115 115 115 111 111			
						1			108 103 98 105 101 96 96 93			
						2			97 89 81 94 86 81 83 78			
						3			89 78 69 86 77 68 73 67			
						4			81 68 59 79 68 58 65 57			
						5			75 61 52 72 59 52 57 51			
						6			68 55 46 67 54 46 53 45			
						7			64 50 40 61 48 40 47 40			
						8			59 46 36 57 45 36 44 35			
						9			56 41 34 54 40 33 40 33			
						10			52 39 30 51 38 30 36 29			