

Day-Brite

CFI

by  Signify

Recessed

ClearAppeal LED 2x2

Up to 4400 lumens



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

Day-Brite / CFI ClearAppeal LED recessed architectural provides excellent visual comfort. Its modern architectural styling complements any space.

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

Example: 2CAG38L840-2-DS-UNV-DIM-SWZDT

Width	Family	Ceiling Type	Lumens	Color	Length	Center Diffuser	Voltage	Driver	Options
2	CA			–	2	DS	–	–	
2 2'	CA ClearAppeal	G Grid F Flange	Standard configurations 30L 3000 nominal delivered lumens 34L 3400 nominal delivered lumens 38L 3800 nominal delivered lumens 44L 4400 nominal delivered lumens <u>Base configuration</u> 33B 3300 nominal delivered lumens	830 80 CRI, 3000K 835 80 CRI, 3500K 840 80 CRI, 4000K 850 80 CRI, 5000K	2 2'	DS Diffuse (smooth)	UNV Universal Voltage, 120-277 volt 347 347V	DIM ^{1,2} SDIM Dimming Step dimming to 40% input power L3D ³ Hi-lume A 1% dimming LDE ⁴ Lutron LDE5, 5% dimming DALI DALI dimming	AG Antimicrobial paint 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 GTD/E ⁵ Generator transfer device EMLED Bodine BSL310 10W battery pack (requires driver enclosure on top of luminaire) EMLED ⁷ Bodine BSL17 7W battery pack (requires driver enclosure on top of luminaire) DSC Quick driver disconnect SWZG ^{2,7} Integral sensor, daylighting and occupancy, advanced grouping with dwell time and zoning SWZDT ⁶ Integral sensor, daylighting and occupancy, advanced grouping with dwell time DAYOCC ⁶ Integral sensor, daylighting and occupancy, basic grouping CHIC Chicago Plenum rated

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

Footnotes

- 1 Integral SWZDT and DAYOCC options dimmable to 5% via wireless wall switch. See page 2.
- 2 Non-controls and SWZG2 configurations are 0-10v dimmable to 1% for Standard configurations. Base configurations are 0-10v dimmable to 5%.
- 3 Specify for 38L lumen package only. Consult factory for other lumen packages.
- 4 Specify for 30L or 34L lumen packages only. Consult factory for other lumen packages.
- 5 Available only with Base configurations.
- 6 Specify only with -DIM driver option.
- 7 Must order SWZ-REMOTE SpaceWise handheld remote with each SWZG2 order.
- 8 Switching to auxiliary circuit in the event of utility power loss. Luminaire operates as normal including with integrated controls.



2CA ClearAppeal LED recessed 2x2

Up to 4400 lumens

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.
- 80 CRI minimum 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.

Construction/Finish

- One piece die-formed embossed steel housing provides added rigidity, resists damage during shipment/handling.
- Captive hinged door frame assembly for maintenance accessibility.
- 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.
- Non-controls Standard configurations are 0-10v dimming to 1%. Base configurations are to 5%.
- Five year limited luminaire warranty includes LED boards and driver. Visit www.philips.com/warranties for complete warranty information.
- Predicted L70 lumen maintenance up to 70,000 hours for standard configurations and 50,000 hours for base configurations.
- To estimate lumen output in emergency mode, multiply emergency pack wattage by luminaire efficacy, then by 1.10. Typical lumen output is 1300lm for EMLED, and 900lm for EMLED7.
- cETLus 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).

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
- Integral sensing options (DAYOCC, SWZG2, SWZDT) may not be combined
- 0-10v dimmable to 1%
- 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)

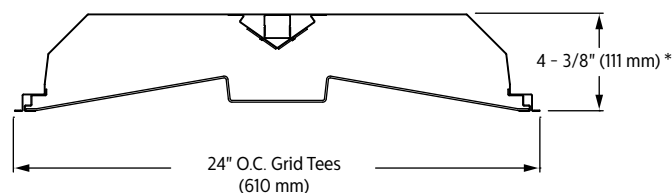
DAYOCC & SpaceWise DT (SWZDT)

- Commissioning via compatible Android phone and Philips Field App
- Dimming via compatible wireless wall switch only (see sensor spec sheets linked to 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

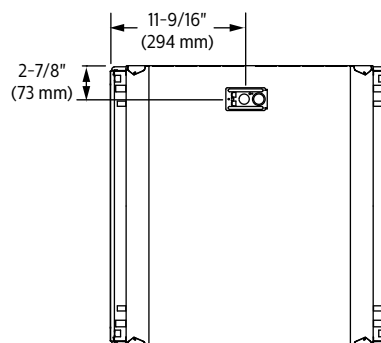
Energy data

Luminaire	Catalog Number	Input Power	Efficacy
2x2 Standard	2CAG30L840	28	106
	2CAG34L840	33	105
	2CAG38L840	37	103
	2CAG44L840	46	95
2x2 Base	2CAG33B840	34	100

Dimensions



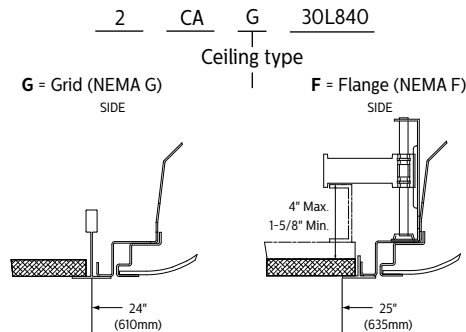
* EMLED and EMLED7 are 1-3/4" (45mm) deeper



2CA ClearAppeal LED recessed 2x2

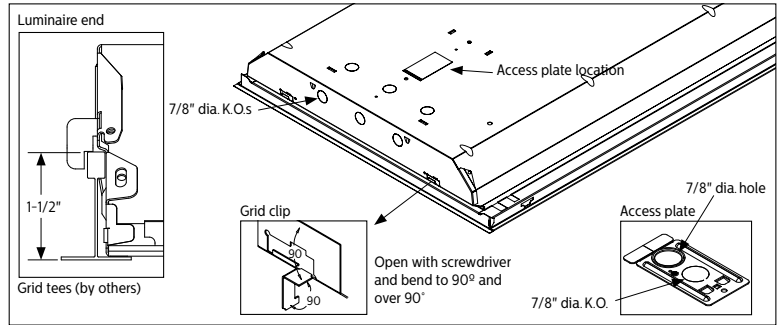
Up to 4400 lumens

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.



Photometry

2x2 ClearAppeal LED recessed, 3000 nominal delivered lumens

LER – 106

Catalog No. 2CAG30L840-2-DS-UNV Test No. 35385 S/MH 1.3 Lamp Type LED Lumens 3002 Input Watts 28.4 Comparative yearly lighting energy cost per 1000 lumens – \$2.26 based on 3000 hrs. and \$.08 pwr KWH. The photometric results were obtained in the 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																																																																																																																																													
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2x2 ClearAppeal LED recessed, 3400 nominal delivered lumens

LER – 105

Catalog No. 2CAG34L840-2-DS-UNV Test No. 35386 S/MH 1.3 Lamp Type LED Lumens 3431 Input Watts 32.8 Comparative yearly lighting energy cost per 1000 lumens – \$2.29 based on 3000 hrs. and \$.08 pwr KWH. The photometric results were obtained in the 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																																																																																																																																													
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2CA ClearAppeal LED recessed 2x2

Up to 4400 lumens

2x2 ClearAppeal LED recessed, 3800 nominal delivered lumens

LER – 103

Catalog No. 2CAG38L840-2-DS-UNV Test No. 35387 S/MH 1.2 Lamp Type LED Lumens 3778 Input Watts 36.6 Comparative yearly lighting energy cost per 1000 lumens – \$2.33 based on 3000 hrs. and \$.08 pwr KWH. The photometric results were obtained in the 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 <table border="1"> <thead> <tr> <th rowspan="2">Vertical Angle</th> <th colspan="4">Horizontal Angle</th> </tr> <tr> <th>0°</th> <th>45°</th> <th>90°</th> <th>-45°</th> </tr> </thead> <tbody> <tr><td>0</td><td>1316</td><td>1316</td><td>1316</td><td>1316</td></tr> <tr><td>5</td><td>1305</td><td>1311</td><td>1316</td><td>1311</td></tr> <tr><td>15</td><td>1251</td><td>1269</td><td>1281</td><td>1269</td></tr> <tr><td>25</td><td>1138</td><td>1171</td><td>1193</td><td>1171</td></tr> <tr><td>35</td><td>982</td><td>1032</td><td>1064</td><td>1032</td></tr> <tr><td>45</td><td>800</td><td>861</td><td>905</td><td>861</td></tr> <tr><td>55</td><td>604</td><td>673</td><td>726</td><td>673</td></tr> <tr><td>65</td><td>402</td><td>480</td><td>542</td><td>480</td></tr> <tr><td>75</td><td>204</td><td>292</td><td>347</td><td>292</td></tr> <tr><td>85</td><td>46</td><td>75</td><td>77</td><td>75</td></tr> </tbody> </table>				Vertical Angle	Horizontal Angle				0°	45°	90°	-45°	0	1316	1316	1316	1316	5	1305	1311	1316	1311	15	1251	1269	1281	1269	25	1138	1171	1193	1171	35	982	1032	1064	1032	45	800	861	905	861	55	604	673	726	673	65	402	480	542	480	75	204	292	347	292	85	46	75	77	75	Light Distribution <table border="1"> <thead> <tr> <th>Degrees</th> <th>Lumens</th> <th>% Luminaire</th> </tr> </thead> <tbody> <tr><td>0-30</td><td>1020</td><td>27.0</td></tr> <tr><td>0-40</td><td>1662</td><td>44.0</td></tr> <tr><td>0-60</td><td>2923</td><td>77.4</td></tr> <tr><td>0-90</td><td>3777</td><td>100.0</td></tr> </tbody> </table>			Degrees	Lumens	% Luminaire	0-30	1020	27.0	0-40	1662	44.0	0-60	2923	77.4	0-90	3777	100.0	Average Luminance <table border="1"> <thead> <tr> <th>Angle</th> <th>End</th> <th>45°</th> <th>Cross</th> </tr> </thead> <tbody> <tr><td>45</td><td>3717</td><td>4003</td><td>4204</td></tr> <tr><td>55</td><td>3460</td><td>3857</td><td>4160</td></tr> <tr><td>65</td><td>3122</td><td>3729</td><td>4214</td></tr> <tr><td>75</td><td>2590</td><td>3706</td><td>4404</td></tr> <tr><td>85</td><td>1734</td><td>2839</td><td>2910</td></tr> </tbody> </table>				Angle	End	45°	Cross	45	3717	4003	4204	55	3460	3857	4160	65	3122	3729	4214	75	2590	3706	4404	85	1734	2839	2910																																																													
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2x2 ClearAppeal LED recessed, 4400 nominal delivered lumens

LER – 95

Catalog No. 2CAG44L835-2-DS-UNV Test No. 34639 S/MH 1.2 Lamp Type LED Lumens 4343 Input Watts 45.7 Comparative yearly lighting energy cost per 1000 lumens – \$2.53 based on 3000 hrs. and \$.08 pwr KWH. The photometric results were obtained in the 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 <table border="1"> <thead> <tr> <th rowspan="2">Vertical Angle</th> <th colspan="4">Horizontal Angle</th> </tr> <tr> <th>0°</th> <th>45°</th> <th>90°</th> <th>-45°</th> </tr> </thead> <tbody> <tr><td>0</td><td>1576</td><td>1576</td><td>1576</td><td>1576</td></tr> <tr><td>5</td><td>1565</td><td>1571</td><td>1577</td><td>1571</td></tr> <tr><td>15</td><td>1502</td><td>1523</td><td>1535</td><td>1523</td></tr> <tr><td>25</td><td>1361</td><td>1397</td><td>1416</td><td>1397</td></tr> <tr><td>35</td><td>1167</td><td>1215</td><td>1238</td><td>1215</td></tr> <tr><td>45</td><td>943</td><td>996</td><td>1030</td><td>996</td></tr> <tr><td>55</td><td>705</td><td>762</td><td>801</td><td>762</td></tr> <tr><td>65</td><td>465</td><td>527</td><td>570</td><td>527</td></tr> <tr><td>75</td><td>238</td><td>307</td><td>342</td><td>307</td></tr> <tr><td>85</td><td>56</td><td>78</td><td>75</td><td>78</td></tr> </tbody> </table>				Vertical Angle	Horizontal Angle				0°	45°	90°	-45°	0	1576	1576	1576	1576	5	1565	1571	1577	1571	15	1502	1523	1535	1523	25	1361	1397	1416	1397	35	1167	1215	1238	1215	45	943	996	1030	996	55	705	762	801	762	65	465	527	570	527	75	238	307	342	307	85	56	78	75	78	Light Distribution <table border="1"> <thead> <tr> <th>Degrees</th> <th>Lumens</th> <th>% Luminaire</th> </tr> </thead> <tbody> <tr><td>0-30</td><td>1219</td><td>28.1</td></tr> <tr><td>0-40</td><td>1976</td><td>45.5</td></tr> <tr><td>0-60</td><td>3421</td><td>78.7</td></tr> <tr><td>0-90</td><td>4345</td><td>100.0</td></tr> </tbody> </table>			Degrees	Lumens	% Luminaire	0-30	1219	28.1	0-40	1976	45.5	0-60	3421	78.7	0-90	4345	100.0	Average Luminance <table border="1"> <thead> <tr> <th>Angle</th> <th>End</th> <th>45°</th> <th>Cross</th> </tr> </thead> <tbody> <tr><td>45</td><td>4379</td><td>4627</td><td>4784</td></tr> <tr><td>55</td><td>4037</td><td>4366</td><td>4590</td></tr> <tr><td>65</td><td>3615</td><td>4099</td><td>4427</td></tr> <tr><td>75</td><td>3024</td><td>3893</td><td>4340</td></tr> <tr><td>85</td><td>2107</td><td>2925</td><td>2820</td></tr> </tbody> </table>				Angle	End	45°	Cross	45	4379	4627	4784	55	4037	4366	4590	65	3615	4099	4427	75	3024	3893	4340	85	2107	2925	2820																																																													
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2CA ClearAppeal LED recessed 2x2

Up to 4400 lumens

2x2 ClearAppeal LED recessed, 3300 nominal delivered lumens

LER – 100

Catalog No. 2CAG33B840-2-DS-UNV Test No. 38124 S/MH 1.3 Lamp Type LED Lumens 3339 Input Watts 34 Comparative yearly lighting energy cost per 1000 lumens – \$2.40 based on 3000 hrs. and \$.08 pwr KWH. The photometric results were obtained in the 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																																																																																																																																																							
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