

Day-Brite

CFI

by  Signify

Recessed

ClearAppeal LED 1x4

Up to 4000 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: 1CAG40L840-4-DS-UNV-DIM-SWZDT

Width	Family	Ceiling Type	Lumens	Color	Length	Center Diffuser	Voltage	Driver	Options
1	CA			–	4	DS	–	–	
1	1'	CA ClearAppeal G Grid F Flange	Standard configurations 26L 2600 nominal delivered lumens 30L 3000 nominal delivered lumens 40L 4000 nominal delivered lumens Base configuration 36B 3600 nominal delivered lumens	830 80 CRI, 3000K 835 80 CRI, 3500K 840 80 CRI, 4000K 850 80 CRI, 5000K	4 4'	DS Diffuse (smooth)	UNV Universal Voltage, 120-277 volt 347 347V	DIM^{1,2} Dimming Step dimming to 40% input power SDIM Lutron Hi-lume A 1% dimming L3D Lutron LDE5, 5% dimming LDE	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 F2/5W 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 Bodine BSL310 10W battery pack (requires driver enclosure on top of luminaire) EMLED³ Bodine BSL17 7W battery pack (requires driver enclosure on top of luminaire) DSC Quick driver disconnect SWZG2^{4,5} Integral sensor, daylighting and occupancy, advanced grouping with dwell time and zoning SWZDT⁴ Integral sensor, daylighting and occupancy, advanced grouping with dwell time DAYOCC⁴ 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)

- **FMA14** – 1'x4' "F" mounting frame for NEMA "F" mounting
- **GCC** – Grid clip pack (set of 4)

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 Available only with Base configurations.
- 4 Specify only with -DIM driver option.
- 5 Must order SWZ-REMOTE SpaceWise handheld remote with each SWZG2 order.



1CA ClearAppeal LED recessed 1x4

Up to 4000 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 clips are not integral to the luminaire and must be ordered separately.
- 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 1200lm for EMLED, and 840lm 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)

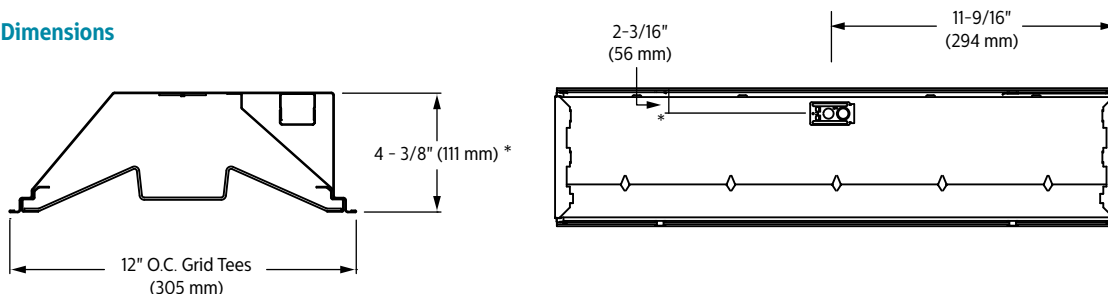
DAYOCC & SpaceWise DT (SWZDT)

- 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
1x4 Standard	1CAG26L840	24	109
	1CAG30L840	28	109
	1CAG40L840	37	107
1x4 Base	1CAG36B840	34	108

Dimensions

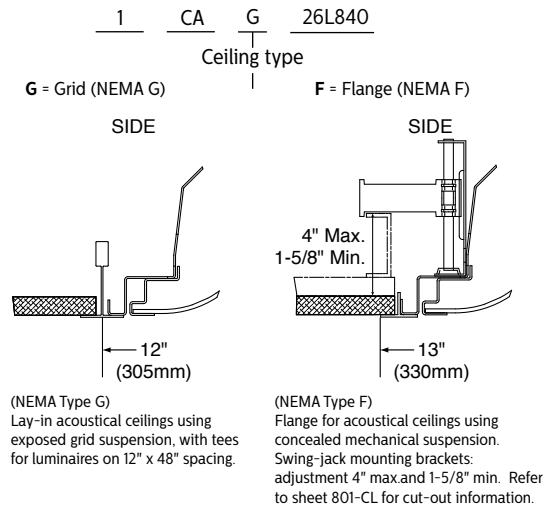


* EMLED and EMLED7 are 1-3/4" (45mm) deeper

1CA ClearAppeal LED recessed 1x4

Up to 4000 lumens

Ceiling configuration



Photometry

1x4 ClearAppeal LED recessed, 2600 nominal delivered lumens

LER – 109

Catalog No. 1CAG26L840-4-DS-UNV Test No. 35058 S/MH 1.2 Lamp Type LED Lumens 2655 Input Watts 24.3 Comparative yearly lighting energy cost per 1000 lumens – \$2.20 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				
	Vertical Angle	Horizontal Angle				Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
		0°	45°	90°	-45°							
	0	947	947	947	947	0-30	728	27.4	45	2948	3020	3006
	5	933	942	946	942	0-40	1185	44.6	55	2819	2964	2915
	15	900	909	906	909	0-60	2090	78.6	65	2629	2846	2611
	25	830	837	832	837	0-90	2658	100.0	75	2302	2384	1960
	35	729	740	734	740				85	1675	1247	822
	45	608	623	620	623							
	55	472	496	488	496							
65	324	351	322	351								
75	174	180	148	180								
85	43	32	21	32								

1x4 ClearAppeal LED recessed, 3000 nominal delivered lumens

LER – 109

Catalog No. 1CAG30L840-4-DS-UNV Test No. 35059 S/MH 1.2 Lamp Type LED Lumens 3008 Input Watts 27.6 Comparative yearly lighting energy cost per 1000 lumens – \$2.20 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				
	Vertical Angle	Horizontal Angle				Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
		0°	45°	90°	-45°							
	0	1072	1072	1072	1072	0-30	824	27.4	45	3292	3374	3432
	5	1057	1068	1072	1068	0-40	1343	44.6	55	3125	3296	3359
	15	1015	1026	1029	1026	0-60	2367	78.6	65	2890	3194	3129
	25	934	941	947	941	0-90	3010	100.0	75	2470	2701	2511
	35	818	829	836	829				85	1659	1553	1467
	45	679	696	708	696							
	55	523	552	562	552							
65	356	394	386	394								
75	187	204	190	204								
85	42	40	37	40								

1CA ClearAppeal LED recessed 1x4

Up to 4000 lumens

1x4 ClearAppeal LED recessed, 4000 nominal delivered lumens

LER – 106

Catalog No. 1CAG40L840-4-DS-UNV Test No. 35070 S/MH 1.2 Lamp Type LED Lumens 3984 Input Watts 37.4 Comparative yearly lighting energy cost per 1000 lumens – \$2.24 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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1x4 ClearAppeal LED recessed, 3600 nominal delivered lumens

LER – 108

Catalog No. 1CAG36B840-4-DS-UNV Test No. 38128 S/MH 1.2 Lamp Type LED Lumens 3622 Input Watts 34 Comparative yearly lighting energy cost per 1000 lumens – \$2.22 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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