

PHILIPS Day-Brite CFI

Surface

ClearAppeal
LED 2x2

3000, 3400,
or 3800 lumens



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

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

Ordering guide

Example: 2SCA30L840-2-DS-UNV-DIM

Width	Family	Lumens	Color	Length	Center Diffuser	Voltage	Driver	Options
2	SCA		—	2	DS	—	—	
2 2'	SCA ClearAppeal surface	30L 3000 nominal delivered lumens 34L 3400 nominal delivered lumens 38L 3800 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 SDIM 0-10V dimming Step dimming to 40% input power	GLR Fusing, fast blow OCC Integral sensor, occupancy DAY Integral sensor, daylighting DAYOCC Integral sensor, daylighting and occupancy SWZG2 ^{1,2} SpaceWise automated wireless technology for integrated occupancy and daylight harvesting

Footnotes

- 1 SWZG2 option provides occupancy sensing suitable for rooms with multiple luminaires, along with daylight harvesting with auto-calibration. See page 2 for more information.
2 Must order SWZ-REMOTE SpaceWise handheld remote with each system order.

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



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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.

Construction/Finish

- Extruded aluminum external construction provides accurate, high quality fit and finish.
- Captive hinged door frame assembly for maintenance accessibility.
- Matte white external finish is standard, custom colors available.
- Approximate weight 30lbs.
- 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.

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>).

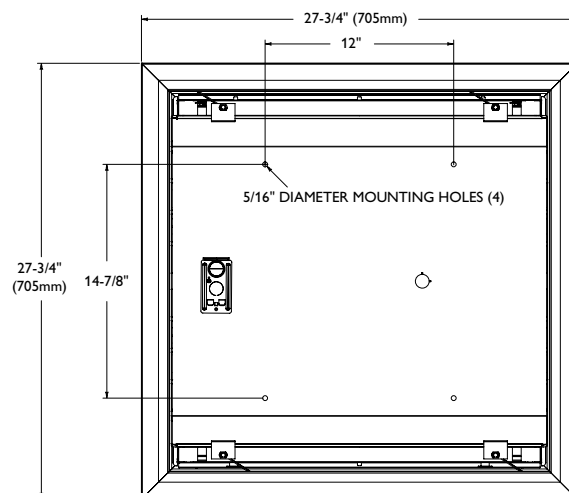
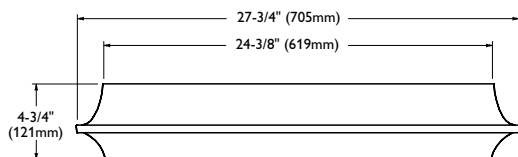
Enclosure

- Captive one-piece enclosure hinges down as an assembly for easy access to internals if needed.
- Guide-post spring loaded latches allow easy opening and closing of the enclosure.
- Single piece thermo formed acrylic lens with smooth center diffuser (DS).

SpaceWise Technology (SWZG2)

- Optional SpaceWise automated wireless technology provides integrated occupancy sensing and daylight harvesting for additional control and energy savings.
- Requiring no system re-wiring, SpaceWise technology is appropriate for retrofit or new design and is an ideal replacement system for typical office layouts.
- Occupancy sensors are integral to each luminaire, with embedded automatic dimming behaviors appropriate to multiple office applications. Applications modes are selected using the handheld remote control, including open plan office, private office, conference room, and corridor.
- Daylight sensors are integral to each luminaire, eliminating the need for daylight zoning. Daylight sensing is automatic and re-calibration occurs daily when luminaires turn on.
- Open plan office mode offers occupant friendly granular dimming for maximum energy savings with no compromise to light levels or visual quality. Luminaires in large rooms and open plan areas are grouped together up to a maximum of 50 using a handheld remote, and max light output can be tuned. Granular dimming then provides full light output for occupied workstations, and non-occupied workstations stay at a background level to ensure visual quality. Grouped luminaires will dim to off when no presence is detected in the group.
- SpaceWise remote control must be purchased separately. Other peripherals include code compliant, wireless, batteryless switches and external sensors.
- Visit philips.com/spacewise for more information about SpaceWise technology.

Dimensions



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Photometry

2x2 ClearAppeal surface LED, 3000 nominal delivered lumens

LER – 106

Catalog No.	2SCA30L840-2-DS-UNV	Candela distribution					Light Distribution			Average Luminance			
		Vertical Angle	0°	45°	90°	-45°	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
Test No.	35385	0	1046	1046	1046	1046	0-30	811	27.0	45	2956	3174	3345
S/MH	1.3	5	1037	1042	1046	1042	0-40	1322	44.0	55	2751	3055	3307
Lamp Type	LED	15	995	1009	1018	1009	0-60	2324	77.4	65	2485	2957	3351
Lumens	3002	25	905	930	948	930	0-90	3001	100.0	75	2069	2938	3510
Input Watts	28.4	35	781	819	846	819				85	1406	2220	2360
		45	636	683	720	683							
		55	480	533	577	533							
		65	320	380	431	380							
		75	163	231	277	231							
		85	37	59	63	59							

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 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.

2x2 ClearAppeal surface LED, 3400 nominal delivered lumens

LER – 105

Catalog No.	2SCA34L840-2-DS-UNV	Candela distribution					Light Distribution			Average Luminance			
		Vertical Angle	0°	45°	90°	-45°	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
Test No.	35386	0	1196	1196	1196	1196	0-30	927	27.0	45	3380	3630	3824
S/MH	1.3	5	1186	1191	1196	1191	0-40	1511	44.0	55	3147	3497	3788
Lamp Type	LED	15	1137	1153	1164	1153	0-60	2656	77.4	65	2842	3379	3833
Lumens	3431	25	1034	1063	1084	1063	0-90	3432	100.0	75	2360	3362	4006
Input Watts	32.8	35	892	936	966	936				85	1583	2601	2684
		45	728	781	823	781							
		55	549	610	661	610							
		65	366	435	493	435							
		75	186	265	316	265							
		85	42	69	71	69							

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 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.

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2x2 ClearAppeal surface LED, 3800 nominal delivered lumens

LER – 103

Catalog No. 2SCA38L840-2-DS-UNV		Candela distribution					Light Distribution			Average Luminance							
Test No. 35387		Vertical Angle	Horizontal Angle				Degrees	Lumens	% Luminaire	Angle	End	45°	Cross				
S/MH 1.2		0°	0°	45°	90°	-45°	0-30	1020	27.0	45	3717	4003	4204				
Lamp Type LED		5	1316	1316	1316	1316	0-40	1662	44.0	55	3460	3857	4160				
Lumens 3776		15	1251	1269	1281	1269	0-60	2923	77.4	65	3122	3729	4214				
Input Watts 36.6		25	1138	1171	1193	1171	0-90	3777	100.0	75	2590	3706	4404				
		35	982	1032	1064	1032								85	1734	2839	2910
		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											
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 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)															
		Ceiling (pcc)		80%			70%			50%							
		Wall (pw)		70	50	30	70	50	30	50	30						
		RCR															
		Zonal cavity method - Effective floor reflectance = 20%															
		Room Cavity Ratio	0	118	118	118	115	115	115	111	111						
			1	108	103	98	106	101	96	96	93						
			2	97	90	82	95	88	81	83	79						
			3	90	79	69	86	77	68	73	68						
			4	81	69	60	80	68	59	66	58						
			5	75	61	53	72	60	53	58	51						
			6	69	56	46	68	55	46	53	46						
			7	64	51	41	63	50	41	47	40						
			8	59	46	38	57	46	36	44	36						
			9	56	42	34	55	41	34	40	34						
			10	53	39	30	51	39	30	38	30						

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