

Day-Brite CFI

by Signify

Surface

ClearAppeal LED 2x2

3000, 3400, or 3800 lumens



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

Day-Brite / 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	DIM¹ 0-10V dimming SDIM Step dimming to 40% input power	AG Antimicrobial paint Fusing, fast blow GLR Integral sensor, daylighting and occupancy, advanced grouping with dwell time and zoning SWZG2^{2,3} SWZDT² Integral sensor, daylighting and occupancy, advanced grouping with dwell time DAYOCC² Integral sensor, daylighting and occupancy, basic grouping DSC Quick driver disconnect

Footnotes

- 1 Integral SWZDT and DAYOCC options dimmable to 5% via wireless wall switch, all other 0-10V wired configurations dimmable to 1%.
- 2 Specify only with -DIM driver option.
- 3 Must order SWZ-REMOTE SpaceWise handheld remote with each system order.

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



2SCA ClearAppeal surface LED 2x2

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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.

Electrical

- Driver and LED boards are easily accessible from below. LED boards are individually replaceable if required.
- 0-10V dimming is standard.
- Five year limited luminaire warranty includes LED boards and driver. Visit www.philips.com/warranties for complete warranty information.
- High efficiency LEDs have a minimum 70,000 hour rated life (L70). Predicted L70 lifetime based on LED manufacturer's LM-80 data and in-situ laboratory testing.
- 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

- 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 centerdiffuser (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
- 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)

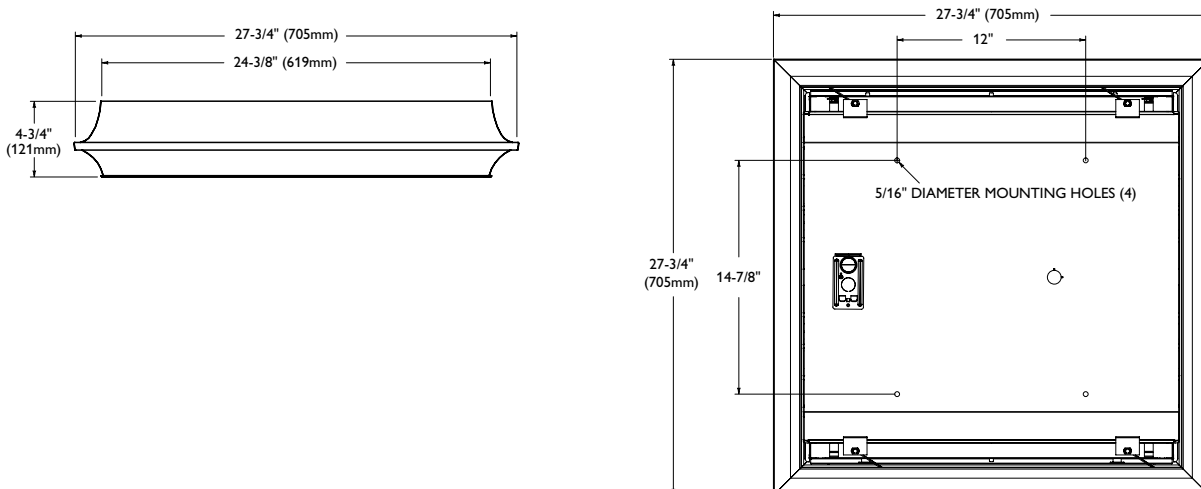
DAYOCC & SpaceWise DT (SWZDT)

- Commissioning via compatible Android phone and Philips Field App
- Dimming via compatible wireless wall switch only (see 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

Dimensions



2SCA ClearAppeal surface LED 2x2

3000, 3400, or 3800 lumens

Photometry

2x2 ClearAppeal surface LED, 3000 nominal delivered lumens

LER – 106

Catalog No. 2SCA30L840-2-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 <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>1046</td><td>1046</td><td>1046</td><td>1046</td></tr> <tr><td>5</td><td>1037</td><td>1042</td><td>1046</td><td>1042</td></tr> <tr><td>15</td><td>995</td><td>1009</td><td>1018</td><td>1009</td></tr> <tr><td>25</td><td>905</td><td>930</td><td>948</td><td>930</td></tr> <tr><td>35</td><td>781</td><td>819</td><td>846</td><td>819</td></tr> <tr><td>45</td><td>636</td><td>683</td><td>720</td><td>683</td></tr> <tr><td>55</td><td>480</td><td>533</td><td>577</td><td>533</td></tr> <tr><td>65</td><td>320</td><td>380</td><td>431</td><td>380</td></tr> <tr><td>75</td><td>163</td><td>231</td><td>277</td><td>231</td></tr> <tr><td>85</td><td>37</td><td>59</td><td>63</td><td>59</td></tr> </tbody> </table>				Vertical Angle	Horizontal Angle				0°	45°	90°	-45°	0	1046	1046	1046	1046	5	1037	1042	1046	1042	15	995	1009	1018	1009	25	905	930	948	930	35	781	819	846	819	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	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>811</td><td>27.0</td></tr> <tr><td>0- 40</td><td>1322</td><td>44.0</td></tr> <tr><td>0- 60</td><td>2324</td><td>77.4</td></tr> <tr><td>0- 90</td><td>3001</td><td>100.0</td></tr> </tbody> </table>			Degrees	Lumens	% Luminaire	0- 30	811	27.0	0- 40	1322	44.0	0- 60	2324	77.4	0- 90	3001	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>2956</td><td>3174</td><td>3345</td></tr> <tr><td>55</td><td>2751</td><td>3055</td><td>3307</td></tr> <tr><td>65</td><td>2485</td><td>2957</td><td>3351</td></tr> <tr><td>75</td><td>2069</td><td>2938</td><td>3510</td></tr> <tr><td>85</td><td>1406</td><td>2220</td><td>2360</td></tr> </tbody> </table>				Angle	End	45°	Cross	45	2956	3174	3345	55	2751	3055	3307	65	2485	2957	3351	75	2069	2938	3510	85	1406	2220	2360																																		
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2x2 ClearAppeal surface LED, 3400 nominal delivered lumens

LER – 105

Catalog No. 2SCA34L840-2-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 <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>1196</td><td>1196</td><td>1196</td><td>1196</td></tr> <tr><td>5</td><td>1186</td><td>1191</td><td>1196</td><td>1191</td></tr> <tr><td>15</td><td>1137</td><td>1153</td><td>1164</td><td>1153</td></tr> <tr><td>25</td><td>1034</td><td>1063</td><td>1084</td><td>1063</td></tr> <tr><td>35</td><td>892</td><td>936</td><td>966</td><td>936</td></tr> <tr><td>45</td><td>728</td><td>781</td><td>823</td><td>781</td></tr> <tr><td>55</td><td>549</td><td>610</td><td>661</td><td>610</td></tr> <tr><td>65</td><td>366</td><td>435</td><td>493</td><td>435</td></tr> <tr><td>75</td><td>186</td><td>265</td><td>316</td><td>265</td></tr> <tr><td>85</td><td>42</td><td>69</td><td>71</td><td>69</td></tr> </tbody> </table>				Vertical Angle	Horizontal Angle				0°	45°	90°	-45°	0	1196	1196	1196	1196	5	1186	1191	1196	1191	15	1137	1153	1164	1153	25	1034	1063	1084	1063	35	892	936	966	936	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	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>927</td><td>27.0</td></tr> <tr><td>0- 40</td><td>1511</td><td>44.0</td></tr> <tr><td>0- 60</td><td>2656</td><td>77.4</td></tr> <tr><td>0- 90</td><td>3432</td><td>100.0</td></tr> </tbody> </table>			Degrees	Lumens	% Luminaire	0- 30	927	27.0	0- 40	1511	44.0	0- 60	2656	77.4	0- 90	3432	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>3380</td><td>3630</td><td>3824</td></tr> <tr><td>55</td><td>3147</td><td>3497</td><td>3788</td></tr> <tr><td>65</td><td>2842</td><td>3379</td><td>3833</td></tr> <tr><td>75</td><td>2360</td><td>3362</td><td>4006</td></tr> <tr><td>85</td><td>1583</td><td>2601</td><td>2684</td></tr> </tbody> </table>				Angle	End	45°	Cross	45	3380	3630	3824	55	3147	3497	3788	65	2842	3379	3833	75	2360	3362	4006	85	1583	2601	2684																																		
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2SCA ClearAppeal surface LED 2x2

3000, 3400, or 3800 lumens

2x2 ClearAppeal surface LED, 3800 nominal delivered lumens

LER – 103

Catalog No. 2SCA38L840-2-DS-UNV Test No. 35387 S/MH 1.2 Lamp Type LED Lumens 3776 Input Watts 36.6		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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