

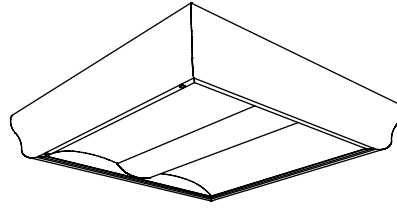
Day-Brite CFI

by @signify

Surface

SofTrace LED 2x2

3000, 3400 or 3800 lm



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

Day-Brite / CFI SofTrace surface brings new meaning to the concept of combining style with performance. Equipped with a fresh streamlined design and innovative technology, SofTrace provides a huge step forward for the lighting industry. The sleek profile design belies the true “horsepower under the hood”. This architectural product now delivers leading edge performance for the most environmentally conscious user.

Ordering guide

Example: 2SST30L840-2-D-UNV-DIM

Width	Family	Lumen Package ¹	Color Temp.	Length	Center Diffuser	Voltage	Driver	Options
2	SST		—	2	—	—	—	
2 2'	ST Softrace	30L 3000 nominal delivered lumens 34L 3400 nominal delivered lumens 38L 3800 nominal delivered lumens	835 80 CRI, 3500K 840 80 CRI, 4000K 850 80 CRI, 5000K	2 2'	D Diffuse (Ribbed) DS Diffuse (Smooth) PMW Round perforated with white overlay	UNV Universal voltage 120-277V 347 347V	DIM 0-10V dimming SDIM Step dimming to 40% input power DALI DALI dimming	CC Custom Color GLR Fusing, fast blow

Footnotes:

1 The lumen values stated above are relevant only to the “D” center diffuser option. For lumen values with the other diffusers, check the photometrics tests online for those specific catalog numbers.

Energy data

Luminaire	Catalog Number	Input Power	Efficacy
2x2	2SST30L840	26.3	115
	2SST34L840	29.7	114
	2SST38L840	34.2	113



2SST SofTrace surface LED 2x2

3000, 3400 or 3800lm

Application

- Subtle enclosure curves provide architectural styling to complement any space.
- Soft, contoured housing shape provides modern architectural detail and complements the enclosure design without dominating the room.
- 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.
- Outstanding visual comfort, ideal for modern offices, schools and retail environments.
- High CRI source provides excellent color rendering with a CRI of 80.
- 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.
- Matte white external finish is standard, custom colors available.
- Approximate weight 30lbs.
- 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..

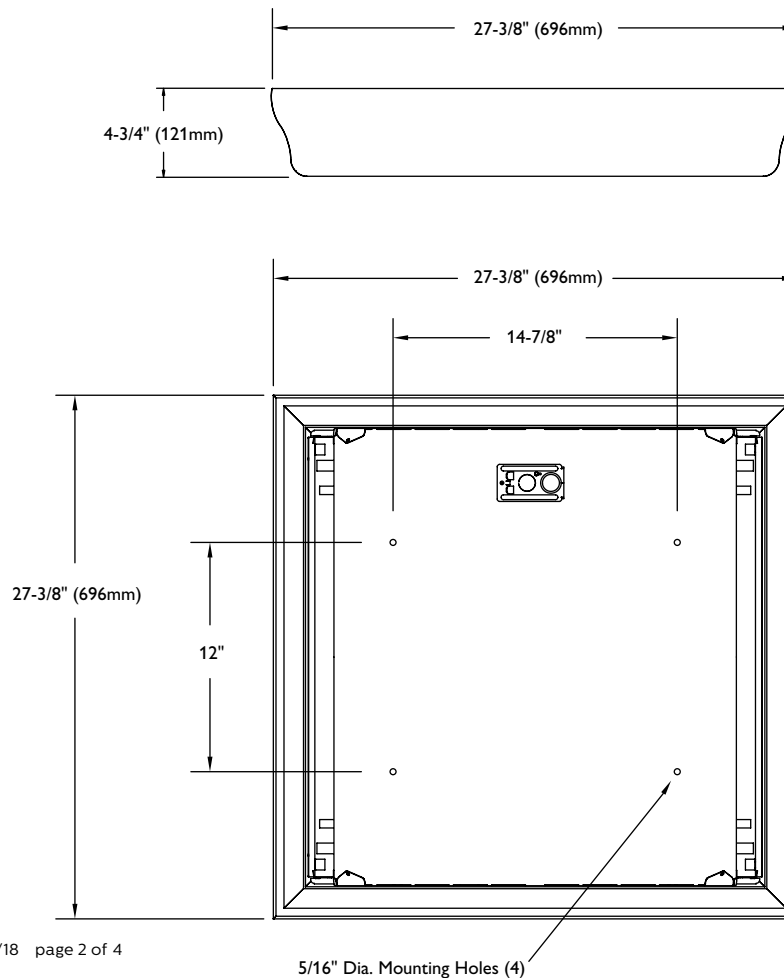
Electrical

- Driver and LED boards are easily accessible from below. LED boards are individually replaceable, if required, via plug-in connectors.
- 0-10V dimming is standard.
- Five year limited luminaire warranty includes LED boards and driver (emergency driver and batteries have a three year warranty in models so equipped). Visit www.philips.com/warranties for complete warranty information.
- High efficiency LEDs have a minimum 70,000 hour rated life (L70).
- cETLus listed to UL standards, suitable for damp locations.

Enclosure

- Choice of two enclosures:
 - Single piece thermo formed acrylic lens with ribbed center diffuser (D)
 - Single piece acrylic lens with smooth center diffuser (DS)
 - Three piece acrylic lens with round perforated steel center diffuser (PMW)

Dimensions



2SST SofTrace surface LED 2x2

3000, 3400 or 3800lm

2x2 SofTrace surface LED, 3000 nominal delivered lumens, diffuse

Catalog No.	2SST30L840-2-D-UNV-DIM
Test No.	35381
S/MH	1.3
Lamp Type	LED
Lumens/Lamp	3049
Input Watts	26.3
Comparative yearly lighting energy cost per 1000 lumens – \$2.07 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

Vertical Angle	Horizontal Angle			
	0°	45°	90°	-45°
0	1094	1094	1094	1094
5	1084	1090	1096	1090
15	1039	1057	1071	1057
25	945	976	1007	976
35	814	860	906	860
45	660	712	758	712
55	494	541	578	541
65	325	366	397	366
75	164	204	233	204
85	38	57	57	57

LER – 115

Light Distribution

Degrees	Lumens	% Linaire
0-30	851	27.9
0-40	1389	45.6
0-60	2418	79.3
0-90	3049	100.0

Average Luminance

Angle	End	45°	Cross
45	3066	3308	3524
55	2827	3098	3312
65	2525	2842	3083
75	2079	2583	2954
85	1444	2156	2153

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

Ceiling (pcc)	80%			70%			50%		
	70	50	30	70	50	30	50	30	
Wall (pw)	Zonal cavity method - Effective floor reflectance = 20%								
RCR	Zonal cavity method - Effective floor reflectance = 20%								
Room Cavity Ratio	0	118	118	118	115	115	115	111	111
1	109	104	100	106	102	97	96	96	93
2	98	91	83	95	89	81	84	84	80
3	90	80	70	88	78	69	75	75	68
4	82	70	61	80	68	60	67	67	59
5	76	63	54	73	61	54	59	59	52
6	69	56	47	68	56	46	54	54	46
7	65	52	42	63	51	41	48	48	41
8	60	46	39	58	46	38	45	45	38
9	56	42	34	55	42	34	40	40	34
10	53	40	32	52	39	32	38	38	30

2x2 SofTrace surface LED, 3400 nominal delivered lumens, diffuse

Catalog No.	2SST34L840-2-D-UNV-DIM
Test No.	35382
S/MH	1.3
Lamp Type	LED
Lumens/Lamp	3415
Input Watts	29.7
Comparative yearly lighting energy cost per 1000 lumens – \$2.09 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

Vertical Angle	Horizontal Angle			
	0°	45°	90°	-45°
0	1224	1224	1224	1224
5	1213	1220	1226	1220
15	1163	1183	1198	1183
25	1056	1093	1127	1093
35	910	964	1013	964
45	739	798	848	798
55	553	606	647	606
65	363	410	443	410
75	182	229	259	229
85	42	64	63	64

LER – 114

Light Distribution

Degrees	Lumens	% Linaire
0-30	953	27.9
0-40	1555	45.5
0-60	2707	79.3
0-90	3415	100.0

Average Luminance

Angle	End	45°	Cross
45	3431	3709	3941
55	3167	3474	3707
65	2821	3184	3446
75	2314	2901	3293
85	1595	2401	2367

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

Ceiling (pcc)	80%			70%			50%		
	70	50	30	70	50	30	50	30	
Wall (pw)	Zonal cavity method - Effective floor reflectance = 20%								
RCR	Zonal cavity method - Effective floor reflectance = 20%								
Room Cavity Ratio	0	118	118	118	115	115	115	111	111
1	109	104	100	106	102	97	96	96	93
2	98	91	83	95	89	81	84	84	80
3	90	80	70	88	78	69	75	75	68
4	82	70	61	80	68	60	67	67	59
5	76	63	54	73	61	54	59	59	52
6	69	56	47	68	56	46	54	54	46
7	65	52	42	63	51	41	48	48	41
8	60	46	39	58	46	38	45	45	38
9	56	42	34	55	42	34	40	40	34
10	53	40	32	52	39	32	38	38	30

2SST SofTrace surface LED 2x2

3000, 3400 or 3800lm

2x2 SofTrace surface LED, 3800 nominal delivered lumens, diffuse

Catalog No.	2SST38L840-2-D-UNV-DIM
Test No.	35383
S/MH	1.3
Lamp Type	LED
Lumens/Lamp	3879
Input Watts	34.2

Comparative yearly lighting energy cost per 1000 lumens – **\$2.12** 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

Vertical Angle	Horizontal Angle			
	0°	45°	90°	-45°
0	1392	1392	1392	1392
5	1379	1387	1394	1387
15	1322	1344	1362	1344
25	1201	1242	1281	1242
35	1035	1094	1151	1094
45	840	906	963	906
55	629	688	735	688
65	412	464	503	464
75	207	259	295	259
85	48	72	71	72

LER – 113

Light Distribution

Degrees	Lumens	% Luminaire
0- 30	1083	27.9
0- 40	1767	45.5
0- 60	3075	79.3
0- 90	3879	100.0

Average Luminance

Angle	End	45°	Cross
45	3902	4209	4476
55	3600	3941	4209
65	3204	3606	3910
75	2625	3282	3745
85	1821	2695	2673

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

Ceiling (pcc)	80%			70%			50%		
	70	50	30	70	50	30	50	30	
Wall (pw)	Zonal cavity method - Effective floor reflectance = 20%								
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Room Cavity Ratio	0	118	118	118	115	115	115	111	111
1	109	104	100	106	102	97	96	93	93
2	98	91	83	95	89	81	84	80	80
3	90	80	70	88	78	69	75	68	68
4	82	70	61	80	68	60	67	59	59
5	76	63	54	73	61	54	59	52	52
6	69	56	47	68	56	46	54	46	46
7	65	52	42	63	51	41	48	41	41
8	60	46	39	58	46	38	45	38	38
9	56	42	34	55	42	34	40	34	34
10	53	40	32	52	39	32	38	30	30

