

Surface

SofTrace LED 2x2

3000, 3400 or 3800 lm



| Project: | |
|-----------|------|
| Location: | |
| Cat.No: | |
| Туре: | |
| 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 |
|-----------|----------------|-------------|----------|
| | 2SST30L840 | 26.3 | 115 |
| 2x2 | 2SST34L840 | 29.7 | 114 |
| | 2SST38L840 | 34.2 | 113 |



2SST SofTrace surface LED 2x2

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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.

Dimensions

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)





2SST SofTrace surface LED 2x2

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

Candela distribution Ľ Catalog No. 2SST30L840-2-D-UNV-DIM D Vertical Horizontal Angle Test No. Angle 0° 45° 90° -45° S/MH 1.3 LED Lamp Type Lumens/Lamp Coefficients of Utilization Input Watts 26.3 EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) Ceiling (pcc) 80% 70% 50% Wall (pw) 50 30 50 30 Comparative yearly lighting energy cost per 1000 RCR Zonal cavity method - Effective floor reflectance = 20% lumens - \$2.07 based on 3000 hrs. and \$.08 pwr KWH. 109 98 90 82 76 69 65 60 56 104 91 80 70 63 56 52 46 42 40 100 83 70 61 54 47 42 39 34 32 106 95 88 80 73 68 63 58 55 52 102 89 78 68 61 56 51 46 42 39 96 84 75 67 59 54 48 45 40 93 80 68 59 52 46 41 38 34 97 81 69 60 54 46 41 38 34 32 **Room Cavity Ratio** 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.

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

Candela distribution **Light Distribution** Average Luminance Catalog No. 2SST34L840-2-D-UNV-DIM Vertical Horizontal Angle Degrees Lumens % Luminaire Angle End 45° Cross Test No. Angle 0- 30 0- 40 0- 60 55 3167 3474 3707 45° 90° -45 27.9 2707 45.5 S/MH 1.3 79.3 2314 3293 75 0-90 100.0 Lamp Type LED Lumens/Lamp Coefficients of Utilization 29.7 Input Watts EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) Ceiling (pcc) 80% 50% 70% Wall (pw) 30 50 Comparative yearly lighting energy cost per 1000 85 RCR Zonal cavity method - Effective floor reflectance = 20% lumens - \$2.09 based on 3000 hrs. and \$.08 pwr KWH. 109 98 90 82 76 69 65 60 56 104 91 80 70 63 56 52 46 42 100 83 70 61 54 47 42 39 34 106 95 88 80 73 68 63 58 55 102 89 78 68 61 56 51 46 42 93 80 68 59 52 46 41 38 34 97 81 69 60 54 46 41 38 34 32 84 75 67 59 54 48 45 40 Room Cavity Ratio 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.

LER - 115

LER - 114

| ight Distribution | | | A | Average Luminance | | | | | | | | |
|----------------------------------|-----------------------------|-------------------------------|---|----------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--|--|--|--|--|
| egrees | Lumens | % Luminaire | | Angle | End | 45° | Cross | | | | | |
| 0- 30 0- 40 0- 60 0- 90 | 851 1389 2418 3049 | 27.9 45.6 79.3 100.0 | | 45 55 65 75 85 | 3066 2827 2525 2079 1444 | 3308 3098 2842 2583 2156 | 3524 3312 3083 2954 2153 | | | | | |

2SST SofTrace surface LED 2x2

3000, 3400 or 3800lm

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

LER - 113

| | | Candela distribution | | | | | Light Distribution | | | | | Average Luminance | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------|---------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------|--|
| Catalog No. | 2SST38L840-2-D-UNV-DIM | Vertical | | Horizon | tal Angle | | Degrees L | .umens | % Lumina | aire | | Angle | End | 45° | Cross | |
| Test No. | 35383 | Angle | 0° | 45° | 90° | -45° | 0-30 | 1083 | 27.9 | | | 45 | 3902 | 4209 | 4476 | |
| S/MH | 1.3 | 0 | 1392 | 1392 | 1392 | 1392 | 0-40 0-60 | 1/6/ 3075 | 45.5 79.3 | | | 55 65 | 3600 | 3941 3606 | 4209 3910 | |
| Lamp Type | LED | 5 | 1379 | 1387 | 1394 | 1387 | 0-90 | 3879 | 100.0 | | | 75 | 2625 | 3282 | 3745 | |
| lumens/lamp | 3879 | 15 | 1322 | 1344 | 1362 | 1344 | | | | | | 85 | 1821 | 2695 | 2673 | |
| Input Watts | 34.2 | 35 | 1035 | 1242 | 1151 | 1094 | Coefficie | Coefficients of Utilization | | | | | | | | |
| input watts | J4.Z | 45 | 840 | 906 | 963 | 906 | EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) | | | | | | | | | |
| | | 55 629 688 735 688 | | | Ceiling (pcc) | iling (pcc) 80% | | | | 70% | | 50% | | | | |
| <u> </u> | | 65 | 412 | 464 | 503 | 464 | Wall (pw) | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 | |
| Comparative yearly | /5 | 207 | 259 | 295 | 259 | RCR Zonal cavity method - Effective floor reflectance = 20% | | | | | | | | | | |
| lumens – $$2.12$ based on 3000 hrs. and \$.08 pwr KWH. | | 60 | 48 | 12 | /1 | 12 | 0 | 118 | 118 | 118 | 115 | 115 | 115 | 111 | 111 | |
| The photometric re- | sults were obtained in the Day-Brite | | | | | | 2 atio | 98 | 91 | 83 | 95 | 89 | 97 81 | 96 84 | 93 80 | |
| laboratory which is NVLAP accredited by the National | | | | | | | 2°3 | 90 | 80 | 70 | 88 | 78 | 69 | 75 | 68 | |
| Institute of Standar | ds and Technology. | | | | | | 5 avit | 76 | 63 | 54 | 73 | 61 | 54 | 59 | 52 | |
| Photometric values | based on test performed in | | | | | | U 6 E 7 | 69 | 56 52 | 47 42 | 68 63 | 56 51 | 46 41 | 54 48 | 46 41 | |
| compliance with LN | и-79. | | | | | | koo 8 | 60 | 46 | 39 | 58 | 46 | 38 | 45 | 38 | |
| | | | | | | | 10 | 56 | 42 40 | 34 32 | 55 52 | 42 39 | 34 32 | 40 38 | 34 30 | |
| Comparative yearly lumens – \$2.12 base The photometric re- laboratory which is Institute of Standar Photometric values compliance with LN | Input Watts 34.2 35 1035 1094 1151 1094 45 840 906 963 906 55 629 688 735 688 Comparative yearly lighting energy cost per 1000 1000 112 464 503 464 Comparative yearly lighting energy cost per 1000 75 207 259 295 259 Iumens - \$2.12 based on 3000 hrs. and \$.08 pwr KWH. 85 48 72 71 72 The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology. 85 48 72 71 72 Photometric values based on test performed in compliance with LM-79. 96 96 96 96 96 96 96 96 96 96 96 96 96 96 96 96 96 96 96 96 96 96 96 96 96 96 96 96 96 96 96 96 96 96 9 | | | | | Coefficiency of the second sec | FLOOR (70 118 109 109 109 98 90 4 82 90 4 82 76 76 76 65 69 60 56 60 56 60 56 | CAVITY REI 80% 50 Zonal cav 118 104 91 80 70 63 56 52 46 42 40 | 30 vity metho 118 100 83 70 61 54 47 42 39 34 32 | CE 20 P 70 od - Effec 115 106 95 88 73 68 63 58 55 55 52 | ER (pfc=0.) 70% 50 titive floor re 115 102 89 78 68 61 56 51 46 42 39 | 20) 30 2flectance 115 97 81 69 69 60 54 46 41 38 34 32 | 50% 50 e = 20% 111 96 84 75 67 59 54 48 45 40 38 | 30 111 93 80 68 59 52 46 41 38 34 30 | | |

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