

# Day-Brite CFI

by Signify

## Recessed

SofTrace LED 1x4

with tunable white  
technology  
3200/4000/4400 lm



Project: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Cat.No: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_  
 Notes: \_\_\_\_\_

Day-Brite / CFI SofTrace LED recessed architectural provides excellent visual comfort. Its modern architectural styling complements any space. Tunable white light allows color temperature flexibility between 2700K and 6500K CCT.

### Ordering guide

Example: 1STG32L8TW-4-D-UNV-DTW

Width	Family	Ceiling Type	Lumen Package <sup>1</sup>	Color Temp.	Length	Center Diffuser	Voltage	Driver	Options
1	ST			8TW –	4 –	D –	UNV –	DTW –	
1 1'	ST Softrace	G Grid F Flange Z Z Spline / Modular	32L 3200 nominal delivered lumens 40L 4000 nominal delivered lumens 44L 4400 nominal delivered lumens	8TW 80 CRI, 2700K thru 6500K white light tuning	4 4'	D Diffuse	UNV Universal voltage 120-277V	DTW Dual channel tunable white	EMLED Integral emergency, 100lm nominal, 6500K color circuit only F1/D 3/8" twin flex, 3 wire 18 gauge 6' for dimmable luminaires F2/7W 3/8" single flex, 7 wire 18 gauge 6' for dimmable luminaires GLR Fusing, fast blow

#### Footnotes:

<sup>1</sup> 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.

#### Accessories (order separately)

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



# 1ST SofTrace LED recessed 1x4

with tunable white technology, 3200/4000/4400 lumens

## Application

- Subtle enclosure curves provide 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.
- Lumen packages range from 3,200 to 4,400 initial lumens, providing flexibility to optimize light levels for a specific application.
- High CRI source provides excellent color rendering.
- Grid, Flange or Z-spline/ Modular models available.

## Construction/Finish

- T-bar grid clips are not integral to the luminaire and must be ordered separately.
- Suitable for end-to-end mounting.
- K.O. in luminaire ends for thru wiring or conduit entry in shallow plenums.

## Electrical

- Must order compatible Philips Lighting control system.
- Driver and LED boards are easily accessible from below. LED boards are individually replaceable if required.
- Five-year luminaire warranty including LED boards and driver.
- High efficiency LEDs have 60,000 hour L70 rated life (defined as 70% lumen maintenance.)
- cETLus listed to UL Standards, suitable for damp locations.

## Enclosure

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

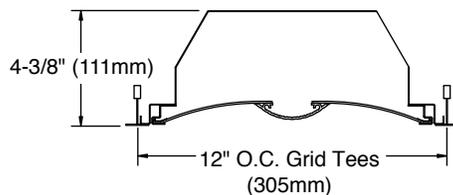
## General Notes

- 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.

## Controls

- Luminaires are not sold individually and are only compatible with load controllers, sensors, user interfaces and front end software from Philips. Philips controls platform allows for more flexibility with customized lighting scenes and behaviors as well as scalability of the tunable white solution into a more extensive lighting network management system. To learn more about the Philips controls solution please visit our tunable white page or <http://www.lightingproducts.philips.com/our-brands/philips-controls/dynalite.html>

## Dimensions

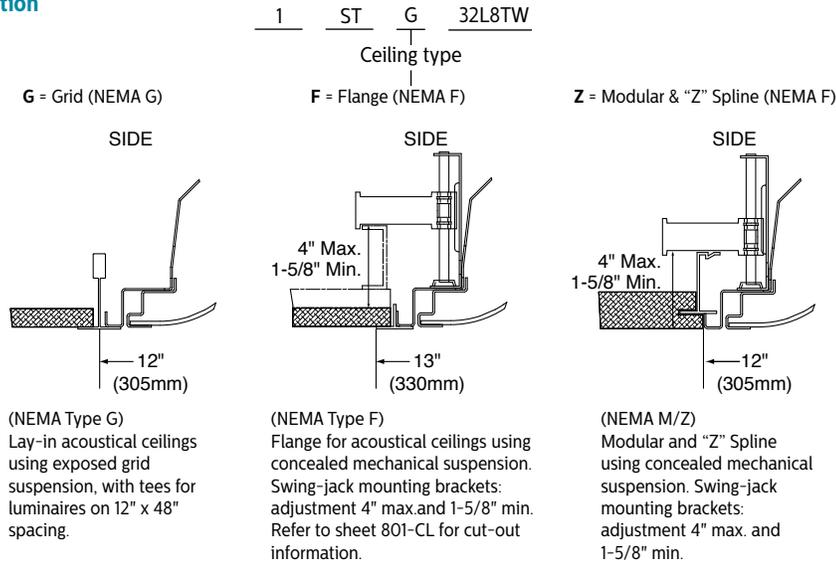


\*EMLED option is 5-5/8" (143mm) deep

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## Ceiling configuration



## Electrical Specifications

Input Voltage	120V			277V		
Nominal CCT	2700K			2700K		
Nominal Lumens	3200lm	4000lm	4400lm	3200lm	4000lm	4400lm
<b>Commissioned State</b>						
Power (W)	36.5	44.3	50.0	36.3	44.0	49.5
Current (A)	0.31	0.38	0.42	0.16	0.18	0.2
Power Factor	0.98	0.99	0.99	0.85	0.88	0.90
THD (%)	15	14	12	18	17	16
Off State Power (W)	0.6	0.6	0.6	0.9	0.9	0.9
<b>Non-Commissioned State</b>						
Power (W)	67.0	83.0	92.0	66.0	82.0	91.0
Current (A)	0.56	0.70	0.78	0.26	0.32	0.35

## Photometry

1x4 SofTrace LED recessed with tunable white, 3200 nominal delivered lumens, diffuse, 2700K CCT

LER – 90

Catalog No.	1STG32L8TW-4-D-UNV-DTW	Candlepower				Light Distribution			Average Luminance								
		Angle	End	45	Cross	Degrees	Lumens	% Luminaire	Angle	End	45°	Cross					
Test No.	36292	0	1349	1349	1349	0-30	1019	31.9	45	3753	3586	3308					
S/MH	1.2	5	1330	1342	1348	0-40	1618	50.6	55	3354	3072	2798					
Lamp Type	LED	15	1269	1284	1289	0-60	2645	82.7	65	2898	2675	2391					
Lumens/Lamp	3199	25	1148	1158	1147	0-90	3192	99.8	75	2320	2218	1917					
Input Watts	36	35	976	966	925	0-180	3199	100.0	85	1534	1510	1424					
CCT	2700K	45	774	740	683												
		55	561	514	468												
		65	357	330	295												
		75	175	168	145												
		85	39	38	36												
Comparative yearly lighting energy cost per 1000 lumens – \$2.67 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.																	
						Coefficients of Utilization											
						EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)											
						pcc		80			70			50			
						pw		70			50			30			
						RCR											
						0	118	118	118	115	115	115	111	111			
						1	109	105	101	107	103	98	97	94			
						2	100	92	85	97	90	84	86	81			
						3	92	81	73	89	80	72	77	70			
						4	83	72	65	81	71	64	68	61			
						5	78	66	56	76	64	56	61	55			
						6	71	58	51	69	57	50	56	48			
						7	67	54	46	65	53	45	52	44			
						8	63	50	40	60	48	40	46	40			
						9	58	46	38	56	45	36	44	36			
						10	55	41	34	54	41	34	40	34			

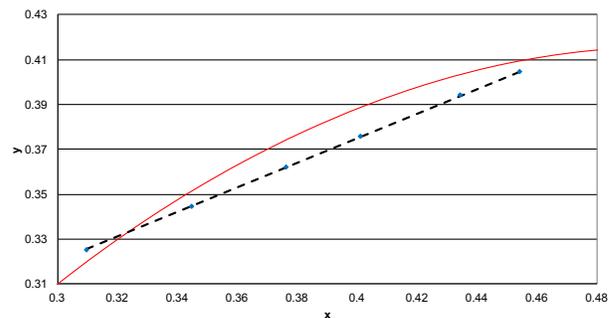
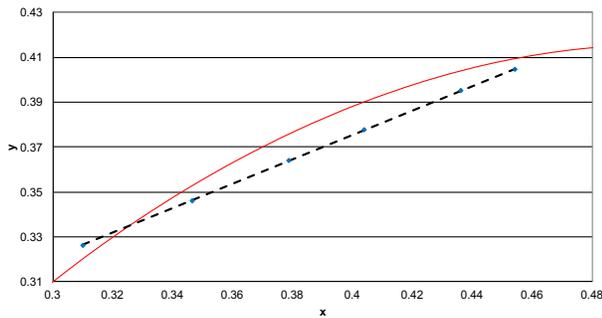
# 1ST SofTrace LED recessed 1x4

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## Color information

1x4 SofTrace 3200lm	2700K	3000K	3500K	4000K	5000K	6500K
<b>Flux</b>	3232	3258	3237	3279	3172	3137
<b>Power</b>	36.0	37.5	35.4	34.5	32.5	29.7
<b>Efficacy</b>	89.8	86.9	91.3	95.1	97.6	105.6
<b>CCT</b>	2735	2941	3423	3950	4928	6678
<b>CRI</b>	83	84	86	87	86	82
<b>R9</b>	18	23	32	35	33	12
<b>x</b>	0.4542	0.4360	0.4037	0.3786	0.3464	0.3100
<b>y</b>	0.4048	0.3950	0.3775	0.3639	0.3462	0.3263
<b>Duv</b>	-0.0017	-0.0035	-0.0055	-0.0056	-0.0033	0.0032

1x4 SofTrace 4000lm	2700K	3000K	3500K	4000K	5000K	6500K
<b>Flux</b>	3860	3936	3976	4073	3990	3985
<b>Power</b>	43.7	45.2	42.7	42.2	40.3	38.0
<b>Efficacy</b>	88.2	87.1	93.1	96.6	99.1	104.7
<b>CCT</b>	2737	2959	3468	4013	4994	6710
<b>CRI</b>	83	84	86	87	86	82
<b>R9</b>	17	23	32	36	32	13
<b>x</b>	0.4540	0.4344	0.4011	0.3760	0.3446	0.3096
<b>y</b>	0.4045	0.3940	0.3759	0.3621	0.3448	0.3253
<b>Duv</b>	-0.0017	-0.0037	-0.0057	-0.0057	-0.0033	0.0029



1x4 SofTrace 4400lm	2700K	3000K	3500K	4000K	5000K	6500K
<b>Flux</b>	4286	4364	4385	4475	4353	4300
<b>Power</b>	49.2	50.3	47.1	46.2	43.7	41.3
<b>Efficacy</b>	87.0	86.8	93.1	96.9	99.6	104.2
<b>CCT</b>	2738	2955	3450	3985	4960	6723
<b>CRI</b>	83	84	86	87	86	82
<b>R9</b>	17	23	31	35	33	13
<b>x</b>	0.4538	0.4346	0.4020	0.3771	0.3455	0.3094
<b>y</b>	0.4044	0.3940	0.3763	0.3625	0.3450	0.3249
<b>Duv</b>	-0.0018	-0.0037	-0.0058	-0.0058	-0.0035	0.0028

