

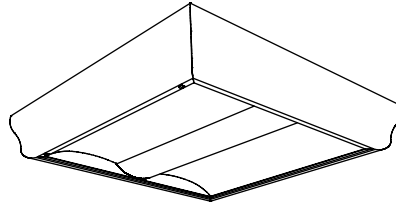
Day-Brite CFI

by @ignify

Surface

SofTrace 2x2

T5, T5HO, T8 or CFTT5



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

The 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: 2SST217-D-UNV-1/2-EBHE-LPT835HL

Width	Family	No. of Lamps (not included)	Lamp Type	Center Diffusers	Voltage	Ballast Configuration	Ballast Type	Options
2	SST	2	—	—	—	1/2 —	—	
2 2'	SST SofTrace surface	2	14 14WT5 (22") 17 17WT8 (24") 24HO 24WT5HO (22") CF40 40WTT5 (24") CF50 50WTT5 (24") CF55 55WTT5 (24")	D Diffuse (Ribbed) DS Diffuse (Smooth) PMW Round perf w/white overlay	120 277 347 UNV Universal Voltage 120-277V	1/2 One 2 lamp ballast	EB95 T5 electronic ballast, .95 ballast factor EB115 T5 electronic ballast, 1.15 ballast factor EBSD95 T5 electronic step dimming ballast, .95 ballast factor EBSD115 T5 electronic step dimming ballast, 1.15 ballast factor EBSD T8 electronic step dimming ballast, .88 ballast factor EBD7 Advance Mark 7 dimming ballast, 0-10V (low voltage) control EBDX Advance Mark 10 dimming ballast, phase control EBD Electronic dimming ballast, customer specified EB Electronic ballast, < 10% THD std. ballast factor EB10I CF40 electronic ballast, <10% THD, instant start EB10R T8 electronic ballast, <10% THD, program rapid start EBHE T8 electronic ballast, high efficiency std. ballast factor EBLHE T8 electronic ballast, high efficiency low ballast factor EBHHE T8 electronic ballast, high efficiency high ballast factor	CC Custom Color GLR Fusing, fast blow RIB Ribbed side diffusers

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Application

- Highly efficient, highly flexible surface mounted luminaire with an upscale architectural appearance.
- Soft, contoured housing shape provides modern architectural detail and complements the enclosure design without dominating the room.
- 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.
- Outstanding visual comfort, ideal for modern offices, schools and retail environments.
- Excellent optical efficiency and luminaire efficacy provide significant energy savings.
- Many ballast/lamp systems are available, providing flexibility to tailor the luminaire to specific applications.
- Step dimming ballasts can be switched to less than 50% input power for energy savings to meet most energy codes while maintaining symmetrical illumination.

Construction/Finish

- Extruded aluminum external construction provides accurate, high quality fit and finish.
- Wireway cover is easily removable without tools for quick ballast or wiring access from below.

Electrical

- cULus listed for damp locations.
- Systems are available offering electrical system efficacy ratings up to 90 Lumens/Watt.
- Total luminaire efficacy as high as 76 LPW.

Enclosure

- Center section is flush with outer panels, eliminating the dirt and debris collection typical of suspended “baskets.”
- One-piece enclosure hinges down as an assembly for easy access to lamps and ballast from below without tools.
- T-hinges provide secure retention of enclosure and eliminate non-captive parts to hold during servicing.
- Guide-post spring loaded latches allow easy opening and closing of the enclosure.
- Choice of center sections: smooth or ribbed acrylic or round perforated steel with overlay.
- Smooth side diffusers standard, ribbed optional.
- Any center section can be used with either side diffuser..

Energy Data

Lamp Type	Ballast Type	Input Power (120/277V)	Electrical System Lumens/Watt	
			Std. Lamps*	Hi-Lumen Lamps
14	EB	34W / 34W	84	–
	EBSD95@hi	35W / 35W	77	–
	EBSD95@lo	16W / 16W	62	–
	EBSD115@hi	38W / 37W	84	–
	EBSD115@lo	18W / 19W	57	–
17	EB	34W / 34W	76	86
	EB10R	34W / 34W	74	84
	EBHE	30W / 30W	80	90
	EBLHE	27W / 27W	79	89
	EBHHE	40W / 40W	78	89
	EBSD@hi	30W / 30W	77	87
	EBSD@lo	16W / 16W	50	57
24HO	EB	53W / 52W	77	–
CF40	EB	76W / 73W	79	–
CF50	EB	106W / 106W	85	–
CF55	EB	112W / 109W	79	–

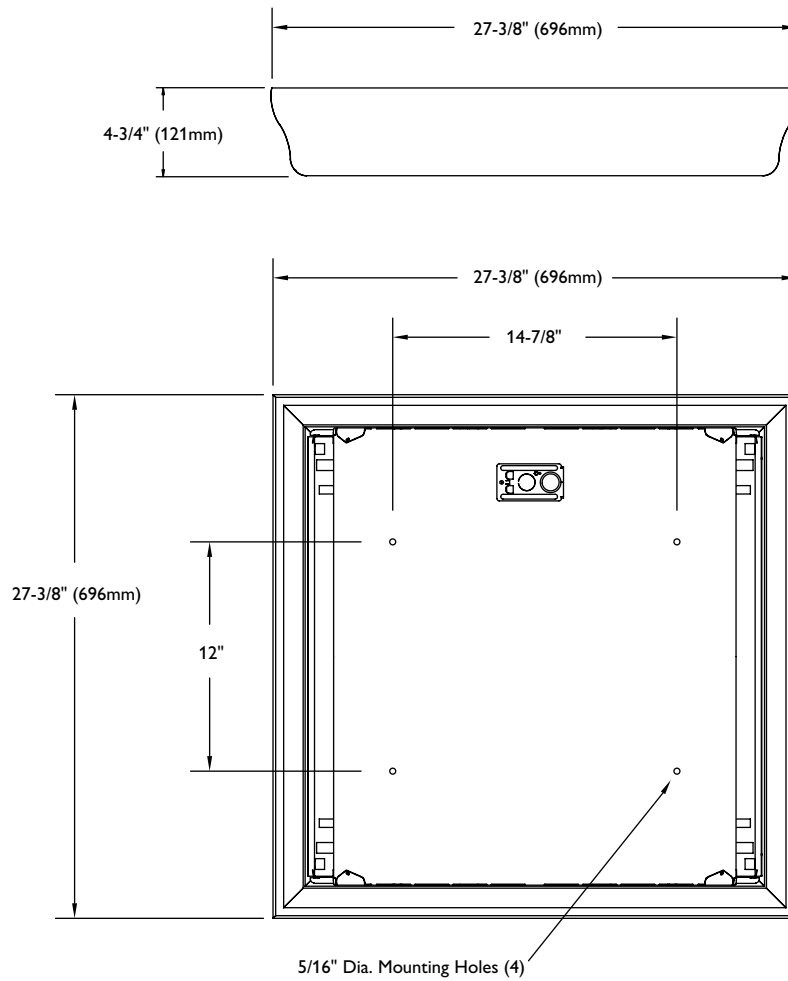
*T8 values assume 70+CRI lamp. 80+CRI lamps with increased lumen ratings are also available.

The photometric test results are the same for the smooth or ribbed center and smooth or ribbed sides.

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Dimensions



2SST SofTrace surface 2x2

T5, T5HO, T8, or CFTT5

SofTrace surface 2x2 2 Lamp T8

Efficiency – 81.7%

LER – 60

TER – 51

Catalog No.		Candlepower				Light Distribution																																																																																																																																													
Test No.		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire																																																																																																																																										
S/MH		0	779	779	779	0-30	600	22.6	27.7																																																																																																																																										
Lamp Type		5	773	775	777	0-40	980	37.0	45.3																																																																																																																																										
Lumens/Lamp		10	762	763	765	0-60	1729	65.2	79.8																																																																																																																																										
Ballast Factor		15	743	744	745	0-90	2165	81.7	100.0																																																																																																																																										
Input Watts		20	718	719	721	Coefficients of Utilization <table><tr><th colspan="10">EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</th></tr><tr><th>pcc</th><th colspan="3">80</th><th colspan="3">70</th><th colspan="3">50</th></tr><tr><th>pw</th><th>70</th><th>50</th><th>30</th><th>70</th><th>50</th><th>30</th><th>50</th><th>30</th></tr><tr><th>RCR</th><th colspan="3"></th><th colspan="3"></th><th colspan="3"></th></tr><tr><td>0</td><td>96</td><td>96</td><td>96</td><td>94</td><td>94</td><td>94</td><td>91</td><td>91</td></tr><tr><td>1</td><td>89</td><td>84</td><td>81</td><td>86</td><td>82</td><td>80</td><td>80</td><td>77</td></tr><tr><td>2</td><td>81</td><td>73</td><td>68</td><td>79</td><td>72</td><td>68</td><td>69</td><td>66</td></tr><tr><td>3</td><td>73</td><td>65</td><td>58</td><td>71</td><td>64</td><td>57</td><td>60</td><td>56</td></tr><tr><td>4</td><td>68</td><td>57</td><td>51</td><td>66</td><td>56</td><td>50</td><td>55</td><td>48</td></tr><tr><td>5</td><td>61</td><td>52</td><td>44</td><td>59</td><td>51</td><td>44</td><td>48</td><td>42</td></tr><tr><td>6</td><td>56</td><td>46</td><td>39</td><td>56</td><td>46</td><td>39</td><td>44</td><td>38</td></tr><tr><td>7</td><td>53</td><td>41</td><td>34</td><td>52</td><td>40</td><td>34</td><td>40</td><td>34</td></tr><tr><td>8</td><td>48</td><td>38</td><td>30</td><td>47</td><td>38</td><td>30</td><td>36</td><td>30</td></tr><tr><td>9</td><td>46</td><td>34</td><td>28</td><td>45</td><td>34</td><td>28</td><td>34</td><td>28</td></tr><tr><td>10</td><td>42</td><td>33</td><td>26</td><td>41</td><td>32</td><td>26</td><td>30</td><td>26</td></tr></table>				EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)										pcc	80			70			50			pw	70	50	30	70	50	30	50	30	RCR										0	96	96	96	94	94	94	91	91	1	89	84	81	86	82	80	80	77	2	81	73	68	79	72	68	69	66	3	73	65	58	71	64	57	60	56	4	68	57	51	66	56	50	55	48	5	61	52	44	59	51	44	48	42	6	56	46	39	56	46	39	44	38	7	53	41	34	52	40	34	40	34	8	48	38	30	47	38	30	36	30	9	46	34	28	45	34	28	34	28	10	42	33	26	41	32	26	30	26
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Comparative yearly lighting energy cost per 1000 lumens – \$4.00 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.		25	685	687	693																																																																																																																																														
		30	640	648	659																																																																																																																																														
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85	23	29	30																																																																																																																																																

SofTrace surface 2x2 2 Lamp T5

Efficiency – 89.0%

LER – 65

TER – 57

Catalog No. 2SST214-D-1/2-EB		Candlepower				Light Distribution																																																																																																																																	
Test No.	27067D12	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire																																																																																																																														
S/MH	1.2	0	772	772	772	0-30	592	24.7	27.8																																																																																																																														
Lamp Type	F14T5	5	764	767	772	0-40	962	40.1	45.1																																																																																																																														
Lumens/Lamp	1200	10	753	755	760	0-60	1694	70.6	79.4																																																																																																																														
Ballast Factor	1.00	15	734	737	739	0-90	2134	89.0	100.0																																																																																																																														
Input Watts	33	20	708	710	712	Coefficients of Utilization EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) <table><tr><td>pcc</td><td colspan="3">80</td><td colspan="3">70</td><td colspan="2">50</td></tr><tr><td>pw</td><td>70</td><td>50</td><td>30</td><td>70</td><td>50</td><td>30</td><td>50</td><td>30</td></tr><tr><td>RCR</td><td colspan="3"></td><td colspan="3"></td><td colspan="2"></td></tr><tr><td>0</td><td>106</td><td>106</td><td>106</td><td>103</td><td>103</td><td>103</td><td>98</td><td>98</td></tr><tr><td>1</td><td>96</td><td>93</td><td>89</td><td>93</td><td>91</td><td>86</td><td>86</td><td>83</td></tr><tr><td>2</td><td>88</td><td>81</td><td>75</td><td>85</td><td>79</td><td>72</td><td>76</td><td>70</td></tr><tr><td>3</td><td>80</td><td>70</td><td>64</td><td>78</td><td>68</td><td>63</td><td>67</td><td>60</td></tr><tr><td>4</td><td>72</td><td>63</td><td>55</td><td>70</td><td>61</td><td>54</td><td>58</td><td>53</td></tr><tr><td>5</td><td>68</td><td>56</td><td>47</td><td>66</td><td>55</td><td>47</td><td>53</td><td>46</td></tr><tr><td>6</td><td>61</td><td>50</td><td>42</td><td>60</td><td>50</td><td>41</td><td>47</td><td>40</td></tr><tr><td>7</td><td>57</td><td>46</td><td>38</td><td>56</td><td>45</td><td>38</td><td>44</td><td>36</td></tr><tr><td>8</td><td>54</td><td>41</td><td>34</td><td>52</td><td>40</td><td>34</td><td>40</td><td>33</td></tr><tr><td>9</td><td>50</td><td>38</td><td>30</td><td>48</td><td>38</td><td>30</td><td>36</td><td>29</td></tr><tr><td>10</td><td>46</td><td>34</td><td>28</td><td>46</td><td>34</td><td>28</td><td>34</td><td>28</td></tr></table>				pcc	80			70			50		pw	70	50	30	70	50	30	50	30	RCR									0	106	106	106	103	103	103	98	98	1	96	93	89	93	91	86	86	83	2	88	81	75	85	79	72	76	70	3	80	70	64	78	68	63	67	60	4	72	63	55	70	61	54	58	53	5	68	56	47	66	55	47	53	46	6	61	50	42	60	50	41	47	40	7	57	46	38	56	45	38	44	36	8	54	41	34	52	40	34	40	33	9	50	38	30	48	38	30	36	29	10	46	34	28	46	34	28	34	28
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Comparative yearly lighting energy cost per 1000 lumens – \$3.69 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.		25	673	675	679																																																																																																																																		
		30	632	635	640																																																																																																																																		
		35	580	588	605																																																																																																																																		
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2SST SofTrace surface 2x2

T5, T5HO, T8, or CFTT5

SofTrace surface 2x2 2 Lamp T8

Efficiency – 69.0%

LER – 52

TER – 44

Catalog No. 2SST217-PMW-1/2-EB		Candlepower				Light Distribution			
Test No. 27112D6		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire
S/MH 1.4		0	623	623	623	0-30	485	18.3	26.6
Lamp Type F17T8		5	618	623	620	0-40	803	30.3	43.9
Lumens/Lamp 1325		10	608	610	614	0-60	1445	54.5	79.1
Ballast Factor 0.88		15	592	597	604	0-90	1827	69.0	100.0
Input Watts 31		20	570	580	592				
		25	543	558	580				
		30	509	533	566				
		35	470	505	550				
		40	425	472	530				
		45	377	435	502				
		50	323	393	465				
		55	269	344	419				
		60	213	289	366				
		65	162	231	308				
		70	117	180	239				
		75	77	123	155				
		80	44	66	73				
		85	16	16	19				
Comparative yearly lighting energy cost per 1000 lumens – \$4.62 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.									

SofTrace surface 2x2 2 Lamp T5

Efficiency – 78.9%

LER – 56

TER – 48

Catalog No.		Candlepower				Light Distribution																																																																																																																																	
Test No.		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire																																																																																																																														
S/MH		0	639	639	639	0-30	497	20.7	26.2																																																																																																																														
Lamp Type		5	636	636	636	0-40	821	34.2	43.4																																																																																																																														
Lumens/Lamp		10	624	625	628	0-60	1488	62.0	78.5																																																																																																																														
Ballast Factor		15	608	612	617	0-90	1894	78.9	100.0																																																																																																																														
Input Watts		20	585	593	603	Coefficients of Utilization EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) <table><tr><td>pcc</td><td colspan="3">80</td><td colspan="3">70</td><td colspan="2">50</td></tr><tr><td>pw</td><td>70</td><td>50</td><td>30</td><td>70</td><td>50</td><td>30</td><td>50</td><td>30</td></tr><tr><td>RCR</td><td colspan="8"></td></tr><tr><td>0</td><td>93</td><td>93</td><td>93</td><td>92</td><td>92</td><td>92</td><td>88</td><td>88</td></tr><tr><td>1</td><td>85</td><td>81</td><td>79</td><td>83</td><td>80</td><td>77</td><td>77</td><td>73</td></tr><tr><td>2</td><td>78</td><td>70</td><td>66</td><td>76</td><td>69</td><td>65</td><td>67</td><td>63</td></tr><tr><td>3</td><td>70</td><td>61</td><td>56</td><td>68</td><td>60</td><td>55</td><td>58</td><td>54</td></tr><tr><td>4</td><td>65</td><td>55</td><td>47</td><td>63</td><td>54</td><td>47</td><td>52</td><td>46</td></tr><tr><td>5</td><td>58</td><td>48</td><td>41</td><td>57</td><td>47</td><td>40</td><td>46</td><td>40</td></tr><tr><td>6</td><td>55</td><td>44</td><td>36</td><td>53</td><td>42</td><td>36</td><td>41</td><td>35</td></tr><tr><td>7</td><td>51</td><td>40</td><td>33</td><td>48</td><td>39</td><td>33</td><td>38</td><td>32</td></tr><tr><td>8</td><td>46</td><td>35</td><td>29</td><td>46</td><td>35</td><td>28</td><td>34</td><td>28</td></tr><tr><td>9</td><td>44</td><td>33</td><td>27</td><td>42</td><td>33</td><td>27</td><td>32</td><td>26</td></tr><tr><td>10</td><td>40</td><td>30</td><td>23</td><td>40</td><td>29</td><td>23</td><td>29</td><td>23</td></tr></table>				pcc	80			70			50		pw	70	50	30	70	50	30	50	30	RCR									0	93	93	93	92	92	92	88	88	1	85	81	79	83	80	77	77	73	2	78	70	66	76	69	65	67	63	3	70	61	56	68	60	55	58	54	4	65	55	47	63	54	47	52	46	5	58	48	41	57	47	40	46	40	6	55	44	36	53	42	36	41	35	7	51	40	33	48	39	33	38	32	8	46	35	29	46	35	28	34	28	9	44	33	27	42	33	27	32	26	10	40	30	23	40	29	23	29	23
pcc	80			70						50																																																																																																																													
pw	70	50	30	70	50					30	50	30																																																																																																																											
RCR																																																																																																																																							
0	93	93	93	92	92					92	88	88																																																																																																																											
1	85	81	79	83	80					77	77	73																																																																																																																											
2	78	70	66	76	69					65	67	63																																																																																																																											
3	70	61	56	68	60					55	58	54																																																																																																																											
4	65	55	47	63	54					47	52	46																																																																																																																											
5	58	48	41	57	47					40	46	40																																																																																																																											
6	55	44	36	53	42	36	41	35																																																																																																																															
7	51	40	33	48	39	33	38	32																																																																																																																															
8	46	35	29	46	35	28	34	28																																																																																																																															
9	44	33	27	42	33	27	32	26																																																																																																																															
10	40	30	23	40	29	23	29	23																																																																																																																															
		25	557	572	589																																																																																																																																		
		30	523	543	574																																																																																																																																		
		35	485	515	561																																																																																																																																		
		40	438	482	544																																																																																																																																		
		45	386	446	520																																																																																																																																		
		50	333	406	489																																																																																																																																		
		55	276	359	443																																																																																																																																		
		60	220	305	387																																																																																																																																		
		65	167	243	337																																																																																																																																		
		70	121	185	269																																																																																																																																		
		75	81	138	167																																																																																																																																		
		80	45	68	81																																																																																																																																		
		85	17	17	21																																																																																																																																		

Comparative yearly lighting energy cost per 1000 lumens – **\$4.29** 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.



Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "Hg". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org

