

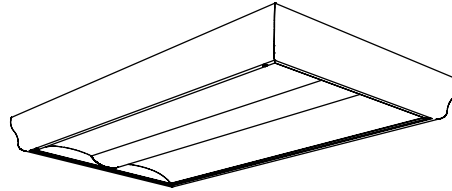
Day-Brite CFI

by @ignify

Surface

SofTrace 2x4

T5, T5HO, or T8



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: 2SST232-D-UNV-1/2-EBLHE-LPT835

Width	Family	No. of Lamps (not included)	Lamp Type	Center Diffusers	Voltage	Ballast	Ballast Type	Options
2	SST	2	—	—	—	1/2 —	—	
2 2'	SST Surface SofTrace	2	28 28WT5 (46") 32 32WT8 (48") 54HO 54WT5HO (46")	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 EBS095 T5 electronic step dimming ballast, .95 ballast factor EBS0115 T5 electronic step dimming ballast, 1.15 ballast factor EBS0 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 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 E7LP LP550 emerg. ballast, 430-700 lumens, 120/277V E6LP LP600 emerg. ballast, US or Canada market, 750-1325 lumens, 120/277V GLR Fusing, fast blow RIB Ribbed side diffusers OCC Integral sensor, occupancy (D or DS diffusers only, requires EB10R ballast for 32WT8) DAY Integral sensor, daylighting (D or DS diffusers only, requires EBD7 ballast) DAYOCC Integral sensor, daylighting and occupancy (D or DS diffusers only, requires EBD7 ballast)

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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.
- Emergency ballasts can be incorporated.
- Systems are available offering electrical system efficacy ratings up to 102 Lumens/Watt.
- Total luminaire efficacy as high as 88 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, round perforated steel with overlay, or white radial louver 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
28	EB95	59W / 58W	95	100
	EBSD95@hi	59W / 58W	95	100
	EBSD95@lo	28W / 28W	73	76
	EB115	71W / 69W	97	102
	EBSD115@hi	71W / 71W	94	99
	EBSD115@lo	35W / 35W	80	81
	EB	66W / 64W	91	95
32	EB	58W / 58W	85	94
	EB10R	62W / 60W	82	91
	EBHE	55W / 54W	90	100
	EBLHE	47W / 47W	92	102
	EBHHE	74W / 73W	91	100
	EBSD@hi	57W / 56W	88	97
	EBSD@lo	28W / 28W	60	66
54HO	EB	120W / 117W	85	—

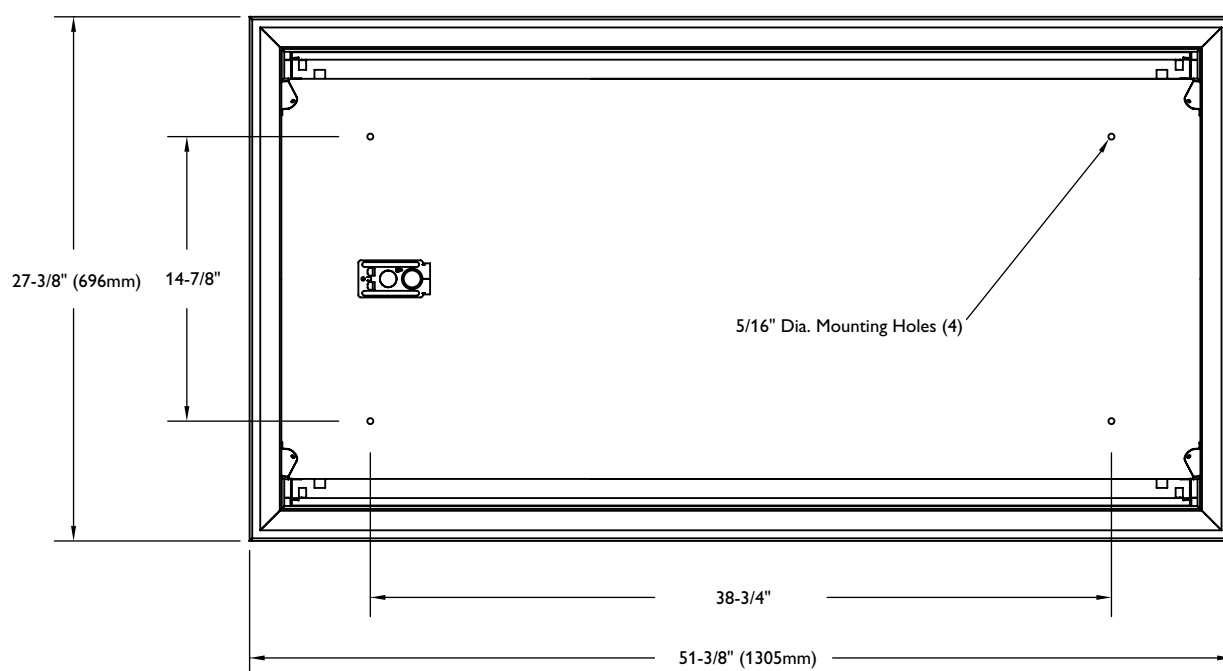
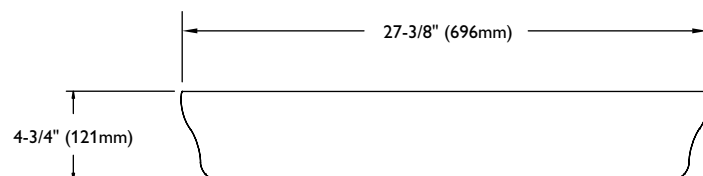
*Standard Lamp T8 values assume 70+CRI 32W lamp. 80+CRI lamps or energy saving lamps are also available.

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

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Dimensions



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SofTrace surface 2x4 2 Lamp T8 Diffuse

Efficiency – 85.2%

LER – 72

TER – 63

		Candlepower				Light Distribution																																																																																																																																	
Catalog No.	2SST232-D-1/2-EB	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire																																																																																																																														
Test No.	27034D12	0	1725	1725	1725	0-30	1331	23.4	27.4																																																																																																																														
S/MH	1.2	5	1730	1719	1707	0-40	2175	38.2	44.8																																																																																																																														
Lamp Type	F32T8	10	1701	1693	1680	0-60	3856	67.7	79.4																																																																																																																														
Lumens/Lamp	2850	15	1661	1653	1639	0-90	4854	85.2	100.0																																																																																																																														
Ballast Factor	.88	20	1608	1597	1584	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>101</td><td>101</td><td>101</td><td>98</td><td>98</td><td>98</td><td>94</td><td>94</td></tr><tr><td>1</td><td>93</td><td>89</td><td>84</td><td>90</td><td>86</td><td>82</td><td>82</td><td>80</td></tr><tr><td>2</td><td>83</td><td>77</td><td>70</td><td>81</td><td>76</td><td>69</td><td>72</td><td>68</td></tr><tr><td>3</td><td>77</td><td>68</td><td>60</td><td>75</td><td>66</td><td>59</td><td>64</td><td>57</td></tr><tr><td>4</td><td>69</td><td>59</td><td>53</td><td>68</td><td>58</td><td>52</td><td>56</td><td>51</td></tr><tr><td>5</td><td>65</td><td>54</td><td>46</td><td>63</td><td>53</td><td>45</td><td>51</td><td>44</td></tr><tr><td>6</td><td>59</td><td>47</td><td>40</td><td>57</td><td>46</td><td>40</td><td>46</td><td>39</td></tr><tr><td>7</td><td>55</td><td>44</td><td>35</td><td>54</td><td>42</td><td>35</td><td>41</td><td>34</td></tr><tr><td>8</td><td>51</td><td>40</td><td>33</td><td>50</td><td>39</td><td>32</td><td>38</td><td>32</td></tr><tr><td>9</td><td>47</td><td>36</td><td>29</td><td>46</td><td>35</td><td>28</td><td>34</td><td>28</td></tr><tr><td>10</td><td>45</td><td>34</td><td>27</td><td>44</td><td>33</td><td>27</td><td>32</td><td>26</td></tr></table>				pcc	80			70			50		pw	70	50	30	70	50	30	50	30	RCR									0	101	101	101	98	98	98	94	94	1	93	89	84	90	86	82	82	80	2	83	77	70	81	76	69	72	68	3	77	68	60	75	66	59	64	57	4	69	59	53	68	58	52	56	51	5	65	54	46	63	53	45	51	44	6	59	47	40	57	46	40	46	39	7	55	44	35	54	42	35	41	34	8	51	40	33	50	39	32	38	32	9	47	36	29	46	35	28	34	28	10	45	34	27	44	33	27	32	26
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Input Watts	59	40	1219	1241	1294																																																																																																																																		
Comparative yearly lighting energy cost per 1000 lumens – \$3.33 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.		45	1089	1137	1214																																																																																																																																		
		50	944	1020	1120																																																																																																																																		
		55	814	895	996																																																																																																																																		
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		80	135	195	188																																																																																																																																		
		85	56	73	66																																																																																																																																		

SofTrace surface 2x4 2 Lamp T5 Diffuse

Efficiency – 95.1%

LER – 78

TER – 68

		Candlepower				Light Distribution																																																																																																																																	
Catalog No.	2STG228-D-1/2-EB95	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire																																																																																																																														
Test No.	27100D12	0	1759	1759	1759	0-30	1354	26.0	27.4																																																																																																																														
S/MH	1.2	5	1757	1749	1745	0-40	2205	42.4	44.6																																																																																																																														
Lamp Type	F28T5	10	1732	1723	1718	0-60	3906	75.1	79.0																																																																																																																														
Lumens/Lamp	2600	15	1690	1682	1675	0-90	4943	95.1	100.0																																																																																																																														
Ballast Factor	.95	20	1636	1626	1608	Coefficients of Utilization EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) <table><tr><th>pcc</th><th colspan="3">80</th><th colspan="3">70</th><th colspan="2">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="2"></th></tr><tr><td>0</td><td>112</td><td>112</td><td>112</td><td>111</td><td>111</td><td>111</td><td>106</td><td>106</td></tr><tr><td>1</td><td>103</td><td>98</td><td>94</td><td>101</td><td>96</td><td>93</td><td>93</td><td>90</td></tr><tr><td>2</td><td>93</td><td>85</td><td>80</td><td>91</td><td>83</td><td>78</td><td>81</td><td>76</td></tr><tr><td>3</td><td>85</td><td>76</td><td>68</td><td>82</td><td>73</td><td>67</td><td>70</td><td>65</td></tr><tr><td>4</td><td>78</td><td>67</td><td>57</td><td>76</td><td>66</td><td>57</td><td>63</td><td>56</td></tr><tr><td>5</td><td>71</td><td>59</td><td>51</td><td>69</td><td>58</td><td>51</td><td>56</td><td>48</td></tr><tr><td>6</td><td>66</td><td>54</td><td>45</td><td>65</td><td>53</td><td>45</td><td>51</td><td>44</td></tr><tr><td>7</td><td>61</td><td>48</td><td>40</td><td>59</td><td>47</td><td>40</td><td>46</td><td>39</td></tr><tr><td>8</td><td>56</td><td>44</td><td>35</td><td>56</td><td>44</td><td>35</td><td>41</td><td>34</td></tr><tr><td>9</td><td>54</td><td>40</td><td>33</td><td>52</td><td>40</td><td>33</td><td>39</td><td>32</td></tr><tr><td>10</td><td>50</td><td>38</td><td>29</td><td>48</td><td>36</td><td>29</td><td>35</td><td>28</td></tr></table>				pcc	80			70			50		pw	70	50	30	70	50	30	50	30	RCR									0	112	112	112	111	111	111	106	106	1	103	98	94	101	96	93	93	90	2	93	85	80	91	83	78	81	76	3	85	76	68	82	73	67	70	65	4	78	67	57	76	66	57	63	56	5	71	59	51	69	58	51	56	48	6	66	54	45	65	53	45	51	44	7	61	48	40	59	47	40	46	39	8	56	44	35	56	44	35	41	34	9	54	40	33	52	40	33	39	32	10	50	38	29	48	36	29	35	28
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Input Watts	60	40	1232	1249	1306																																																																																																																																		
Comparative yearly lighting energy cost per 1000 lumens – \$3.08 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.		45	1093	1139	1237																																																																																																																																		
		50	941	1024	1154																																																																																																																																		
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		60	640	768	903																																																																																																																																		
		65	495	624	739																																																																																																																																		
		70	356	476	565																																																																																																																																		
		75	236	335	390																																																																																																																																		
		80	136	203	203																																																																																																																																		
		85	54	74	65																																																																																																																																		

2SST SofTrace surface 2x4

T5, T5HO, or T8

SofTrace surface 2x4 2 Lamp T8 Perf.

Efficiency – 72.2%

LER – 59

TER – 52

Catalog No. 2SST232-PMW-1/2-EB Test No. 27092D6 S/MH 1.3 Lamp Type F32T8 Lumens/Lamp 2850 Ballast Factor .88 Input Watts 61		Candlepower				Light Distribution			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire
Comparative yearly lighting energy cost per 1000 lumens – \$4.07 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.		0	1394	1394	1394	0-30	1091	19.1	26.5
		5	1395	1390	1383	0-40	1803	31.6	43.8
		10	1373	1372	1369	0-60	3254	57.1	79.1
		15	1339	1343	1349	0-90	4115	72.2	100.0
		20	1293	1306	1322	Coefficients of Utilization EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)			
		25	1230	1258	1288	pcc	80	70	50
		30	1157	1198	1251	pw	70	50	30
		35	1075	1132	1213	RCR	70	50	30
		40	970	1057	1162	0	85	85	85
		45	869	979	1105	1	79	75	71
		50	755	889	1023	2	70	65	59
		55	632	783	918	3	65	56	51
		60	506	666	790	4	58	51	44
		65	385	529	651	5	55	45	39
		70	279	403	508	6	50	40	34
		75	184	279	348	7	46	36	29
		80	103	158	156	8	42	33	27
		85	40	38	39	9	40	30	25
						10	38	28	23

SofTrace surface 2x4 2 Lamp T5 Perf.

Efficiency – 80.6%

LER – 66

TER – 65

Catalog No. 2SST228-PMW-1/2-EB95 Test No. 27099D6 S/MH 1.3 Lamp Type F28T5 Lumens/Lamp 2600 Ballast Factor .95 Input Watts 60		Candlepower				Light Distribution			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire
Comparative yearly lighting energy cost per 1000 lumens – \$3.64 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.		0	1403	1403	1403	0-30	1098	21.1	26.2
		5	1407	1401	1390	0-40	1815	34.9	43.3
		10	1382	1380	1377	0-60	3293	63.3	78.6
		15	1348	1348	1355	0-90	4189	80.6	100.0
		20	1300	1314	1326	Coefficients of Utilization EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)			
		25	1242	1265	1290	pcc	80	70	50
		30	1169	1205	1252	pw	70	50	30
		35	1086	1141	1217	RCR	70	50	30
		40	986	1069	1178	0	105	105	105
		45	880	990	1127	1	96	93	89
		50	760	900	1054	2	89	81	76
		55	640	801	953	3	81	71	66
		60	514	683	827	4	75	65	56
		65	394	553	688	5	68	57	50
		70	287	418	544	6	64	52	45
		75	190	294	361	7	58	47	40
		80	106	165	161	8	55	44	35
		85	43	40	40	9	52	40	33
						10	47	36	29



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

