

Day-Brite

CFI

by @ignify

Recessed

SP troffer 1x4

T8, T5, or T5HO



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

The Day-Brite / CFI SP troffer is a specification grade recessed lensed luminaire and offers many premium options.

Ordering guide

Example: 1SPG132-FS01-UNV-1/1-EBHHE-LPT835HL

Width	Family	Ceiling Type	No. of Lamps (not included)	Lamp Type	Door Frame	Lens	Door Finish	Voltage	Options
1	SP	G		—	—		—	—	
1' 1'	SP SP Troffer	G Grid	1 2 3 (except 54HO)	28 28WT5 (46") 32 32WT8 (48") 54HO 54WT5HO (46")	FS Flat Steel RA Regressed Aluminum	01 Pattern 12 prismatic acrylic 12 K-12, .125" nominal 19 K-19, .156" nominal 21 Pattern 12, .125" nominal 30 1/2"x1/2"x1/2" silver polystyrene louver 34 1-1/2"x1-1/2"x1" silver polystyrene louver 52 3/4"x3/4"x1/2" silver polystyrene louver	BLANK White Door B Black Door	120 277 347 UNV Universal Voltage 120-277V	1/1 One 1-lamp ballast 1/2 One 2-lamp ballast 1/3 One 3-lamp ballast 1/21 2-lamp & 1-lamp ballasts EB Electronic ballast, <10% THD, std. ballast factor EB10R T8 electronic ballast, program rapid start, <10% THD 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 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 E1 B100 emerg. ballast, T8, 350-450 lumens, 120/277V E1CAN B100-CAN emerg. ballast, Canada market, T8, 350-450 lumens, 120/347V E7 B60 emerg. ballast, T8, 600-700 lumens, 120/277V E5 B50 emerg. ballast, U.S. or Canada market, T8, 1100-1400 lumens, UNV ESCAN B50-CAN emerg. ballast, Canada market, T8, 1100-1400 lumens, 120/347V ESST B50ST emerg. ballast w/self test, T8, 1100-1400 lumens, UNV E7LP LP550 emerg. ballast T5/T5HO, 430-700 lumens, 120/277V E6LP LP600 emerg. ballast U.S. or Canada market, T5/T5HO, 750-1325 lumens, 120/277V F1 3/8" flex, 3 wire 18 gauge 6' F2 3/8" flex, 4 wire 18 gauge 6' F2/5W 3/8" flex, 5 wire 18 gauge 6' GLR Fusing, fast blow LPT830 Installed T8/T5/T5HO lamps, 80+ CRI, 3000K LPT835 Installed T8/T5/T5HO lamps, 80+ CRI, 3500K LPT841 Installed T8/T5/T5HO lamps, 80+ CRI, 4100K LPT830HL Installed T8/T5 hi lumen lamps, 80+ CRI, 3000K LPT835HL Installed T8/T5 hi lumen lamps, 80+ CRI, 3500K LPT841HL Installed T8/T5 hi lumen lamps, 80+ CRI, 4100K 1W 1-way gasketing, between lens & door frame (not avail. w/RA door) 2W 2-way gasketing, 1W + gasketing between door frame & housing 3W 3-way gasketing, 2W + gasketing for field installation between housing & ceiling PAF Housing painted after fabrication

Accessories (order separately)

- FMA14 1'x4' "F" mounting frame for NEMA "F" mounting
- GCP Grid clip pack (1'x4')



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Construction/Finish

- Specification quality recessed troffer for the following "NEMA" ceiling types: NEMA "G"-Grid, NEMA "NFSG"-Narrow Faced Slot Grid, NEMA "GR"-Grid Regressed, NEMA "NFG"-Narrow Faced Grid, NEMA "F"-Flange.
- Die formed ribbed and embossed steel housing.
- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.
- Access plate (2 K.O.'s) factory installed includes grounding screw.
- T-bar grid clips (UL listed) built into fixture end plates, no extra parts required.

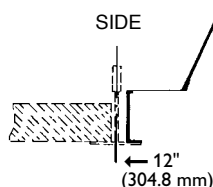
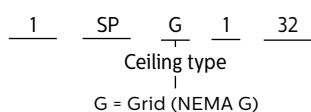
Electrical

- cULus listed for damp locations.
- Self-contained fluorescent emergency power packs can be incorporated. (1 and 2 lamp models only)

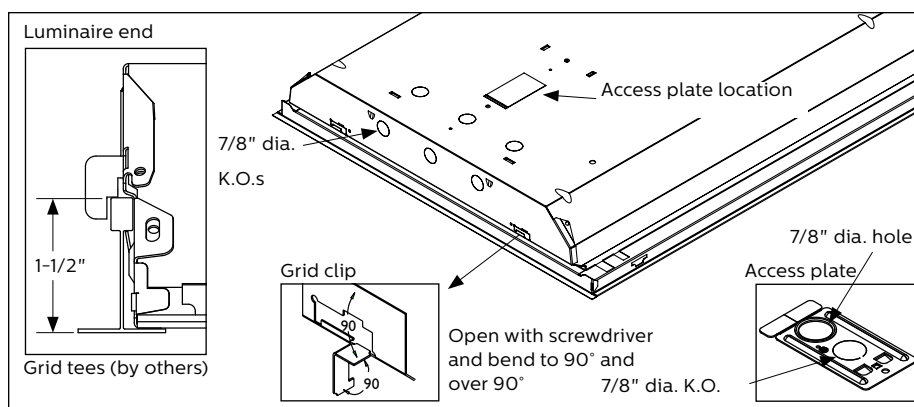
Enclosure

- Mitered corner door frames are Flat Steel.
- Hinged and latched (from either side) door frame.
- Mechanically designed interlocks block light, no gaskets are needed.
- Prismatic acrylic pattern 12 lens standard (01). Other lenses or louvers optional.

Ceiling configuration



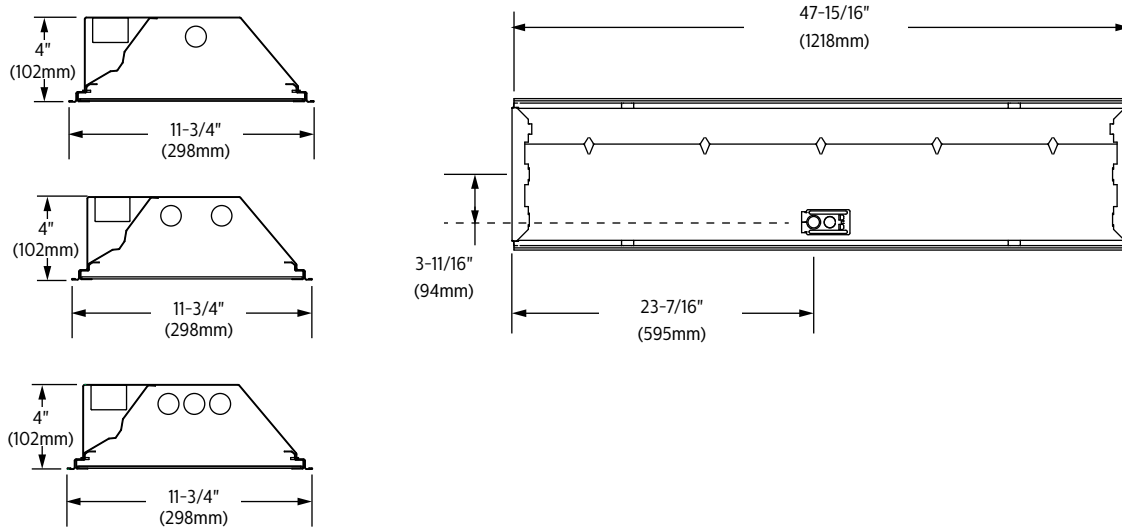
(NEMA Type G)
Lay-in acoustical
ceilings using exposed
grid suspension, with
tees for luminaires on
12" x 48" spacing.



1SP SP Troffer recessed 1x4

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Dimensions



Photometry

SP troffer 1x4 2 Lamp T8

Efficiency – 69.2%

LER – 68

TER – 61

Catalog No.		Candlepower				Light Distribution				Average Luminance			
Test No.		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45	Cross
S/MH		0	1732	1732	1732	0-30	1363	22.0	31.8	45	5170	4977	4596
Lamp Type		5	1722	1723	1728	0-40	2219	35.8	51.8	55	4223	3933	3382
Lumens/Lamp		15	1668	1677	1679	0-60	3639	58.7	84.9	65	3154	2738	2479
Ballast Factor		25	1545	1553	1561	0-90	4290	69.2	100	75	2788	2077	1951
Input Watts		35	1352	1353	1335					85	3838	2270	1354
		45	1080	1039	960	Coefficients of Utilization							
		55	715	666	573	Effective Floor Cavity Reflectance 20 Per (Pfc=0.20)							
		65	394	342	309	pcc	80			70			50
		75	213	159	149	pw	70	50	30	70	50	30	50
		85	99	58	35	RCR	70	50	30	70	50	30	50
						0	81	81	81	80	80	80	77
						1	76	72	69	73	70	68	68
						2	68	64	59	68	63	58	59
						3	64	56	52	61	56	51	54
						4	58	51	45	56	50	45	47
						5	54	46	40	53	45	40	44
						6	50	40	35	48	40	34	40
						7	46	38	32	46	36	32	35
						8	44	34	28	41	34	28	33
						9	40	32	26	40	30	26	30
						10	38	28	23	36	28	23	28

Comparative yearly lighting energy cost per 1000 lumens – \$3.53 based on 3000 hrs. and 5.08 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

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SP troffer 1x4 3 Lamp T8

Efficiency – 62.1%

LER – 62

TER – 56

		Candlepower				Light Distribution				Average Luminance																																																																																																																																	
Catalog No.	1SPG332-FS01	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross																																																																																																																														
Test No.	33911	0	2377	2377	2377	0-30	1865	20.1	32.3	45	7030	6656	6010																																																																																																																														
S/MH	1.2	5	2364	2366	2368	0-40	3028	32.6	52.4	55	5729	5141	4294																																																																																																																														
Lamp Type	F32T8	15	2287	2299	2294	0-60	4924	52.9	85.3	65	4230	3536	3144																																																																																																																														
Lumens/Lamp	3100	25	2118	2122	2119	0-90	5778	62.1	100	75	3711	2704	2519																																																																																																																														
Ballast Factor	.83	35	1844	1835	1788	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>73</td><td>73</td><td>73</td><td>71</td><td>71</td><td>71</td><td>68</td><td>68</td></tr><tr><td>1</td><td>68</td><td>65</td><td>63</td><td>66</td><td>64</td><td>61</td><td>60</td><td>58</td></tr><tr><td>2</td><td>61</td><td>57</td><td>54</td><td>60</td><td>56</td><td>53</td><td>54</td><td>51</td></tr><tr><td>3</td><td>56</td><td>51</td><td>46</td><td>56</td><td>50</td><td>46</td><td>48</td><td>45</td></tr><tr><td>4</td><td>53</td><td>46</td><td>40</td><td>51</td><td>45</td><td>40</td><td>44</td><td>39</td></tr><tr><td>5</td><td>48</td><td>40</td><td>35</td><td>47</td><td>40</td><td>35</td><td>39</td><td>34</td></tr><tr><td>6</td><td>45</td><td>36</td><td>32</td><td>44</td><td>36</td><td>32</td><td>35</td><td>30</td></tr><tr><td>7</td><td>41</td><td>34</td><td>28</td><td>40</td><td>34</td><td>28</td><td>33</td><td>28</td></tr><tr><td>8</td><td>39</td><td>30</td><td>26</td><td>38</td><td>30</td><td>26</td><td>29</td><td>26</td></tr><tr><td>9</td><td>36</td><td>28</td><td>23</td><td>35</td><td>28</td><td>23</td><td>28</td><td>23</td></tr><tr><td>10</td><td>34</td><td>27</td><td>22</td><td>34</td><td>26</td><td>22</td><td>26</td><td>20</td></tr></table>								pcc	80			70			50		pw	70	50	30	70	50	30	50	30	RCR									0	73	73	73	71	71	71	68	68	1	68	65	63	66	64	61	60	58	2	61	57	54	60	56	53	54	51	3	56	51	46	56	50	46	48	45	4	53	46	40	51	45	40	44	39	5	48	40	35	47	40	35	39	34	6	45	36	32	44	36	32	35	30	7	41	34	28	40	34	28	33	28	8	39	30	26	38	30	26	29	26	9	36	28	23	35	28	23	28	23	10	34	27	22	34	26	22	26	20
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