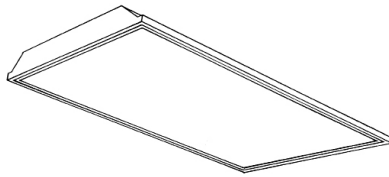


Recessed

SP troffer 2x4

T5, T5HO, or T8



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: 2SPG232-FS01-UNV-1/2-EBLHE-LPT835HL

Width	Family	Ceiling Type	No. of Lamps (not included)	Lamp Type	Door Frame	Lens	Door Finish	Voltage	Options
2	SP			—	FS	—	—	—	
2 2'	SP SP Troffer	G Grid F Flange	2 3 4	28 28WT5 (46") 32 32WT8 (48") 54HO 54WT5HO (46")	FS Flat Steel	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 UNV Universal Voltage 120-277V	120 277 347 UNV Universal Voltage 120-277V	1/2 One 2-lamp ballast 1/3 One 3-lamp ballast 1/21 2-lamp & 1-lamp ballasts 1/4 One 4-lamp ballast 2/2 Two 2-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 EBSO 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 E5CAN B50-CAN emerg. ballast, Canada market, T8, 1100-1400 lumens, 120/347V E5ST 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 PAF Housing painted after fabrication 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

Accessories (order separately)

- **FKSP24** Flange conversion kit 2'x4'
- **FMA24** 2'x4' "F" mounting frame for NEMA "F" mounting

2SP SP troffer recessed 2x4

T5, T5HO or T8

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.
- Housing and door frame have smooth edges for easy handling.
- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.
- One piece unitized body including end plates for added rigidity.
- Troffer body die-formed CR steel with reinforcing ribs for rigidity.
- 7/8" K.O.'s provided in each end cap and quick wire access plate in housing top with two 7/8" K.O.'s provided.
- Snap on wireway cover.
- T-bar grid clips built into luminaire end plates, no extra parts required.
- Low profile body minimizes clearance required.
- All units have wire hanger tabs for independent wire suspension.
- Twist lock lampholders standard.

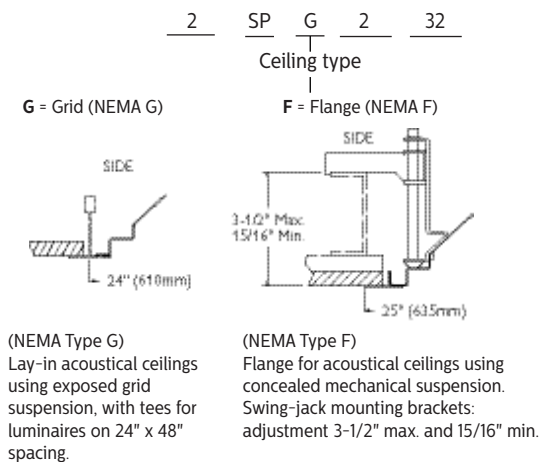
Electrical

- cULus listed for damp locations.
- Self-contained fluorescent emergency power packs can be incorporated.
- No exposed internal wiring.
- Twist lock lampholders are standard for positive lamp retention.

Enclosure

- Mitered corner door frames.
- Door frames can be hinged and latched from either side.
- White (standard) or black (optional) door frames available.
- Door frames utilize "T" hinges.
- White spring loaded latches are standard.

Ceiling configuration

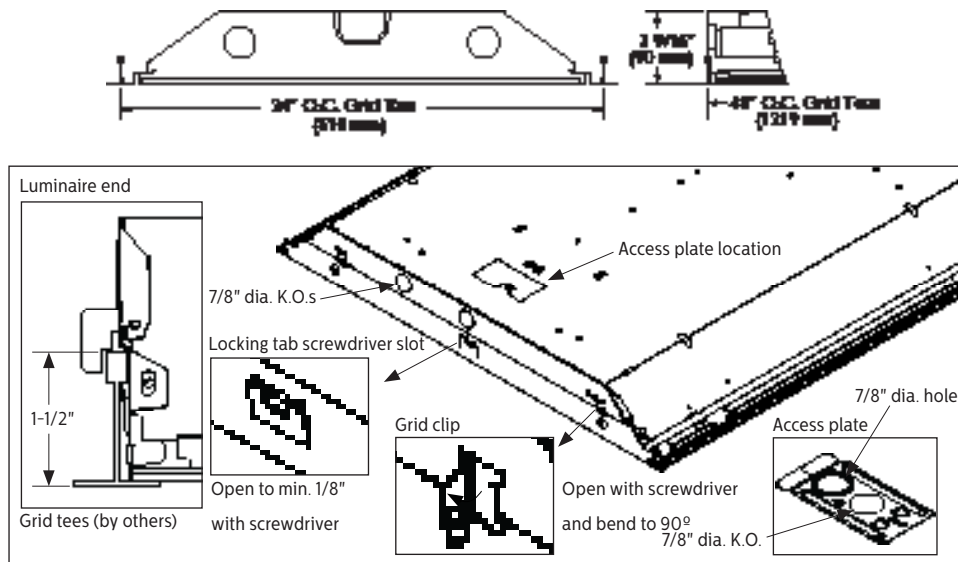


Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and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

2SP SP troffer recessed 2x4

T5, T5HO or T8

Dimensions



Photometry

SP 2x4 2 Lamp T8

Efficiency – 83.8%

LER – 73

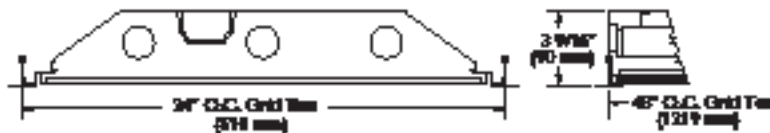
TER – 64

		Candlepower				Light Distribution				Average Luminance																																																																																																																																															
Catalog No.	2SPG232-FS01-1/2-EB	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross																																																																																																																																												
Test No.	26375P	0	1749	1749	1749	0-30	1401	24.6	29.3	45	2331	2656	2928																																																																																																																																												
S/MH	1.4	5	1756	1747	1735	0-40	2326	40.8	48.7	55	1904	2246	2409																																																																																																																																												
Lamp Type	F32T8	10	1734	1734	1731	0-60	3996	70.1	83.6	65	1439	1573	1779																																																																																																																																												
Lumens/Lamp	2850	15	1695	1712	1722	0-90	4778	83.8	100.0	75	1361	1207	1373																																																																																																																																												
Ballast Factor	.87	20	1643	1678	1707					85	1687	1599	1546																																																																																																																																												
Input Watts	57	25	1580	1632	1684	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="3">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><td></td></tr><tr><td>RCR</td><td colspan="3"></td><td colspan="3"></td><td colspan="3"></td></tr><tr><td>0</td><td>100</td><td>100</td><td>100</td><td>96</td><td>96</td><td>96</td><td></td><td></td><td>93 93</td></tr><tr><td>1</td><td>92</td><td>88</td><td>83</td><td>89</td><td>85</td><td>82</td><td></td><td></td><td>81 80</td></tr><tr><td>2</td><td>83</td><td>77</td><td>71</td><td>81</td><td>76</td><td>70</td><td></td><td></td><td>72 68</td></tr><tr><td>3</td><td>77</td><td>68</td><td>61</td><td>75</td><td>67</td><td>60</td><td></td><td></td><td>64 58</td></tr><tr><td>4</td><td>69</td><td>60</td><td>54</td><td>68</td><td>59</td><td>53</td><td></td><td></td><td>57 52</td></tr><tr><td>5</td><td>65</td><td>54</td><td>46</td><td>63</td><td>53</td><td>46</td><td></td><td></td><td>52 46</td></tr><tr><td>6</td><td>59</td><td>48</td><td>41</td><td>57</td><td>47</td><td>40</td><td></td><td></td><td>46 40</td></tr><tr><td>7</td><td>56</td><td>45</td><td>36</td><td>54</td><td>44</td><td>36</td><td></td><td></td><td>42 35</td></tr><tr><td>8</td><td>52</td><td>40</td><td>34</td><td>51</td><td>40</td><td>33</td><td></td><td></td><td>39 33</td></tr><tr><td>9</td><td>47</td><td>36</td><td>30</td><td>46</td><td>36</td><td>29</td><td></td><td></td><td>35 29</td></tr><tr><td>10</td><td>45</td><td>34</td><td>28</td><td>44</td><td>34</td><td>28</td><td></td><td></td><td>33 27</td></tr></table>								pcc	80			70			50			pw	70	50	30	70	50	30	50	30		RCR										0	100	100	100	96	96	96			93 93	1	92	88	83	89	85	82			81 80	2	83	77	71	81	76	70			72 68	3	77	68	61	75	67	60			64 58	4	69	60	54	68	59	53			57 52	5	65	54	46	63	53	46			52 46	6	59	48	41	57	47	40			46 40	7	56	45	36	54	44	36			42 35	8	52	40	34	51	40	33			39 33	9	47	36	30	46	36	29			35 29	10	45	34	28	44	34	28			33 27
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Comparative yearly lighting energy cost per 1000 lumens – \$3.29 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.		30	1468	1569	1651																																																																																																																																																				
		35	1359	1486	1599																																																																																																																																																				
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2SP SP troffer recessed 2x4

T5, T5HO or T8

Dimensions



Photometry

SP 2x2 3 Lamp F32T8

Efficiency – 83.0%

LER – 77

TER – 67

		Candlepower				Light Distribution				Average Luminance																																																																																																																																			
Catalog No.	2SPG332-FS01-1/3-EB	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross																																																																																																																																
Test No.	29000	0	2774	2774	2774	0-30	2198	25.7	31.0	45	3421	3616	3834																																																																																																																																
S/MH	1.3	5	2781	2762	2753	0-40	3594	42.0	50.7	55	2830	3002	3209																																																																																																																																
Lamp Type	F32T8	10	2748	2746	2742	0-60	5980	69.9	84.3	65	2237	2035	2358																																																																																																																																
Lumens/Lamp	2800	15	2689	2699	2719	0-90	7093	83.0	100.0	75	1934	1452	2240																																																																																																																																
Ballast Factor	0.88	20	2605	2639	2671					85	2189	2038	2627																																																																																																																																
Input Watts	81	25	2489	2555	2591	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="3">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="9"></td></tr><tr><td>0</td><td>98</td><td>98</td><td>98</td><td>95</td><td>95</td><td>95</td><td>92</td><td>92</td></tr><tr><td>1</td><td>91</td><td>86</td><td>83</td><td>89</td><td>84</td><td>81</td><td>81</td><td>79</td></tr><tr><td>2</td><td>82</td><td>77</td><td>70</td><td>81</td><td>75</td><td>69</td><td>71</td><td>68</td></tr><tr><td>3</td><td>76</td><td>68</td><td>61</td><td>73</td><td>67</td><td>60</td><td>64</td><td>58</td></tr><tr><td>4</td><td>69</td><td>60</td><td>54</td><td>68</td><td>59</td><td>53</td><td>57</td><td>52</td></tr><tr><td>5</td><td>65</td><td>55</td><td>46</td><td>63</td><td>54</td><td>46</td><td>52</td><td>46</td></tr><tr><td>6</td><td>59</td><td>48</td><td>41</td><td>57</td><td>48</td><td>41</td><td>46</td><td>40</td></tr><tr><td>7</td><td>56</td><td>45</td><td>38</td><td>54</td><td>44</td><td>36</td><td>42</td><td>36</td></tr><tr><td>8</td><td>52</td><td>40</td><td>34</td><td>51</td><td>40</td><td>34</td><td>39</td><td>33</td></tr><tr><td>9</td><td>48</td><td>38</td><td>30</td><td>46</td><td>36</td><td>30</td><td>35</td><td>29</td></tr><tr><td>10</td><td>46</td><td>34</td><td>28</td><td>44</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	98	98	98	95	95	95	92	92	1	91	86	83	89	84	81	81	79	2	82	77	70	81	75	69	71	68	3	76	68	61	73	67	60	64	58	4	69	60	54	68	59	53	57	52	5	65	55	46	63	54	46	52	46	6	59	48	41	57	48	41	46	40	7	56	45	38	54	44	36	42	36	8	52	40	34	51	40	34	39	33	9	48	38	30	46	36	30	35	29	10	46	34	28	44	34	28	34	28
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Comparative yearly lighting energy cost per 1000 lumens – \$3.12 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.		30	2340	2418	2474																																																																																																																																								
		35	2150	2239	2318																																																																																																																																								
		40	1925	2011	2109																																																																																																																																								
		45	1648	1742	1847																																																																																																																																								
		50	1358	1455	1548																																																																																																																																								
		55	1106	1173	1254																																																																																																																																								
		60	867	867	954																																																																																																																																								
		65	644	586	679																																																																																																																																								
		70	466	370	500																																																																																																																																								
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		80	245	199	297																																																																																																																																								
		85	130	121	156																																																																																																																																								

2SP SP troffer recessed 2x4

T5, T5HO or T8

Dimensions



Photometry

SP 2x2 3 Lamp F32T8

Efficiency – 78.7%

LER – 74

TER – 65

Catalog No.	2SPG432-FS01-1/4-EB	Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross
Test No.	26374	0	3385	3385	3385	0-30	2695	23.6	30.0	45	4505	4956	5224
S/MH	1.3	5	3404	3377	3356	0-40	4443	39.0	49.5	55	3693	4107	4307
Lamp Type	F32T8	10	3359	3348	3345	0-60	7528	66.0	83.9	65	2747	2910	3171
Lumens/Lamp	2850	15	3285	3301	3323	0-90	8975	78.7	100.0	75	2592	2213	2485
Ballast Factor	0.87	20	3179	3236	3281					85	3269	2917	2847
Input Watts	106	25	3037	3130	3203	Coefficients of Utilization							
Comparative yearly lighting energy cost per 1000 lumens – \$3.20 based on 3000 hrs. and \$.08 pwr KWH.		30	2858	2998	3110								
		35	2629	2814	2946	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)							
The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.		40	2369	2571	2719	pcc	80			70			50
		45	2080	2288	2412	pw	70	50	30	70	50	30	50
		50	1741	1914	2017	RCR							
		55	1383	1538	1613	0	93	93	93	92	92	92	86
		60	1043	1141	1217	1	85	82	79	83	81	78	77
		65	758	803	875	2	79	72	68	77	70	66	68
		70	564	539	615	3	71	64	57	69	63	56	60
		75	438	374	420	4	66	56	51	65	56	50	54
		80	330	279	282	5	60	51	45	59	51	44	48
		85	186	166	162	6	56	46	40	55	46	39	44
						7	53	41	34	51	41	34	40
						8	48	39	32	47	38	32	36
						9	46	34	28	45	34	28	34
						10	42	33	27	41	32	26	30

