

**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**

- Class P, HPF ballasts comply with © Federal Ballast Law (Public Law 100-357, 1988).
- UL listed for damp locations. C.S.A. certified optional.
- Self-contained fluorescent emergency power packs can be incorporated. (1 and 2 lamp models only)

**enclosure**

- Mitered corner door frames with a choice of: Flat Steel, Flat Aluminum, or Regressed Aluminum.
- Door frames standard with guide post spring loaded latches.
- Mechanically designed interlocks block light, no gaskets are needed.
- Prismatic acrylic pattern 12 lens standard (01). Other lenses or louvers optional.

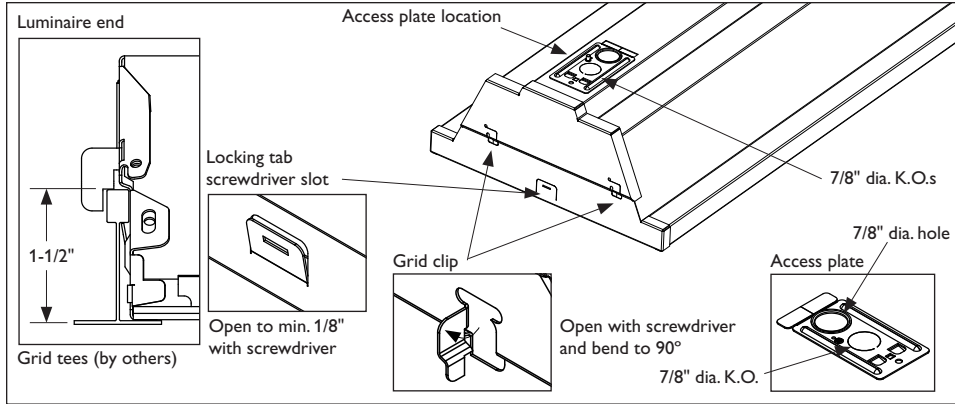
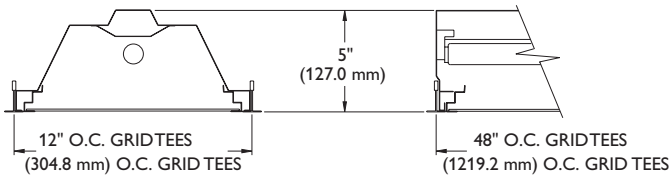
**Specifier's Reference**

Project
Type
Model No.
Comments

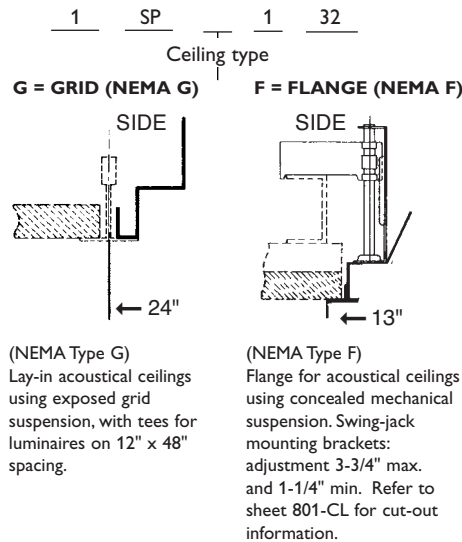
**Green Choice: 1SPG132-FS01-UNV-1/1-EBHHE-LPT835HL**

1		32	-	-	-
Width	Ceiling Type	Lamp Type/ Wattage	Lens	Voltage	Options
1 - 1'	G - Grid F - Flange	32 - 32WT8 (48")	01 - Prismatic acrylic 12 - DB-12, .125" 19 - DB-19, .156" 21 - Pattern 12, .125" See Sheet 401-SR for other options.	120 277 347 UNV - Universal voltage, 120-277 volt	1/1 - One 1-lamp ballast 1/2 - One 2-lamp ballast 1/3 - One 3-lamp ballast 1/21 - 2-lamp & 1-lamp ballast EB - Electronic ballast, <20% THD EB10I - Electronic ballast, instant start, <10% THD EB10R - 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 E1 - DEB-1 emerg. ballast, 350-450 lumens, UL dry loc. E7 - DEB-7 emerg. ballast, 600-700 lumens, UL dry loc. E5 - DEB-5 emerg. ballast, 1100-1400 lumens, UL dry loc. ESST - DEB-SST emerg. ballast w/self test, 1100-1400 lumens, UL dry loc. F1 - Installed flex, 3/8" diameter, 18 gauge, 3 wire, 6' F2 - Installed flex, 3/8" diameter, 18 gauge, 4 wire, 6' GLR# - Fusing, fast blow (# = number of ballasts) LPT735 - Installed lamps, 70+ CRI, 3500K LPT835HL - Installed T8 hi lumen lamps, 80+ CRI, 3500K 1W - 1-way gasketing, between lens & door frame 2W - 2-way gasketing, 1W + gasketing between door frame & housing 3W - 3-way gasketing, 2W + gasketing for field installation between housing & ceiling.
Family	No. of Lamps	Door Frame	Door Finish		
SP - SP Troffer SPC - Canadian Certified Model	(not included) 1 2 3	FS - Flat Steel FA - Flat Aluminum RA - Regressed Aluminum	BLANK - White Door B - Black Door		

## dimensions



## ceiling configuration



## photometry

### SP TROFFER 1x4 1 Lamp T8

<b>Catalog No.</b>	1SPG132-FS01-1/1-EB
<b>Test No.</b>	15549
<b>S/MH</b>	1.4
<b>Lamp Type</b>	F32T8
<b>Lumens/Lamp</b>	2900
<b>Ballast Factor</b>	1.00
<b>Input Watts</b>	35

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 Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

### Efficiency – 78.1%

Candlepower		45	Cross
Angle	End		
0	846	846	846
5	843	845	843
10	832	840	844
15	814	832	845
20	786	819	842
25	750	799	834
30	705	769	828
35	655	732	806
40	589	666	746
45	514	586	645
50	423	501	514
55	335	400	379
60	258	289	272
65	192	190	194
70	140	117	142
75	106	81	110
80	81	68	84
85	44	40	46

### LER – 65

### TER – 57

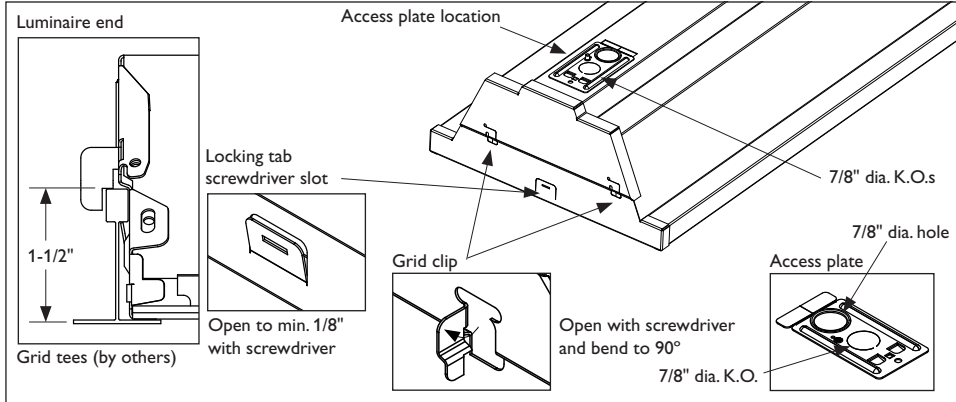
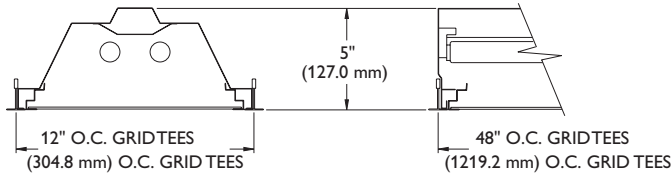
Light Distribution				Average Luminance			
Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
0-30	682	23.5	30.1	45	2505	2856	3144
0-40	1137	39.2	50.2	55	2013	2403	2277
0-60	1922	66.3	84.8	65	1566	1549	1582
0-90	2266	78.1	100.0	75	1411	1079	1465
				85	1740	1582	1819

### Coefficients of Utilization

#### EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50		
	pw	50	30	70	50	30	50	30	
RCR									
0	93	93	93	91	91	91	86	86	
1	85	81	79	82	80	77	77	75	
2	78	71	67	76	70	66	68	64	
3	71	64	57	69	63	56	60	56	
4	66	56	51	64	56	50	54	48	
5	60	51	45	58	50	44	48	42	
6	56	46	40	55	46	39	44	38	
7	52	41	34	51	40	34	40	34	
8	48	38	32	47	38	32	36	30	
9	46	34	28	44	34	28	34	28	
10	42	33	27	41	32	26	30	26	

## dimensions



## photometry

### SPTROFFER 1x4 2 Lamp T8

Efficiency – 69.8%

LER – 63

TER – 58

<b>Catalog No.</b>	1SPG232-FS01-1/2-EB
<b>Test No.</b>	15184
<b>S/MH</b>	1.2
<b>Lamp Type</b>	F32T8
<b>Lumens/Lamp</b>	2900
<b>Ballast Factor</b>	0.92
<b>Input Watts</b>	59
Comparative yearly lighting energy cost per 1000 lumens – <b>\$3.81</b> based on 3000 hrs. and \$.08 pwr KWH.	
The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.	

#### Candlepower

Angle	End	45	Cross
0	1838	1838	1838
5	1834	1835	1821
10	1811	1811	1796
15	1771	1769	1755
20	1711	1706	1682
25	1635	1616	1569
30	1528	1487	1415
35	1400	1331	1259
40	1243	1149	1109
45	1054	958	935
50	844	764	718
55	638	577	522
60	462	407	378
65	333	277	283
70	241	189	222
75	177	141	180
80	128	110	133
85	67	60	68

#### Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	1513	26.1	37.4
0-40	2342	40.4	57.9
0-60	3554	61.3	87.8
0-90	4047	69.8	100.0

#### Average Luminance

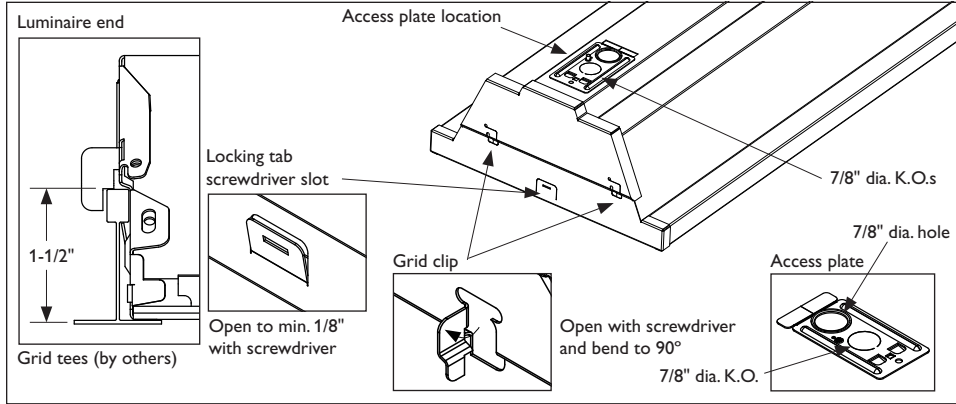
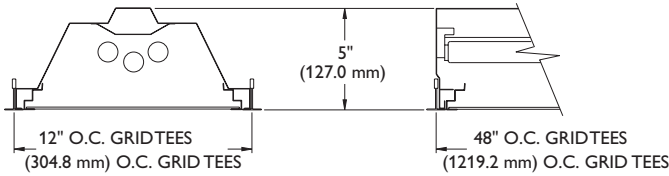
Angle	End	45°	Cross
45	5579	5070	4949
55	4162	3764	3406
65	2948	2452	2505
75	2557	2037	2601
85	2868	2569	2911

#### Coefficients of Utilization

##### EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50		
	70	50	30	70	50	30	50	30	
pw									
RCR									
0	83	83	83	81	81	81	77	77	
1	77	74	72	75	73	70	70	68	
2	71	66	62	70	65	61	63	60	
3	66	60	55	64	59	54	57	53	
4	61	54	48	60	53	48	51	47	
5	56	48	43	55	48	42	46	41	
6	52	44	38	51	43	38	42	37	
7	48	40	34	47	39	34	38	33	
8	45	36	30	43	35	30	34	29	
9	41	32	27	40	32	26	31	26	
10	38	29	24	37	29	24	28	23	

dimensions



photometry

SPTROFFER 1x4 3 Lamp T8

Efficiency – 67.7%

LER – 67

TER – 59

<b>Catalog No.</b>	1SPG332-FS01-1/3-EB
<b>Test No.</b>	15554
<b>S/MH</b>	1.2
<b>Lamp Type</b>	F32T8
<b>Lumens/Lamp</b>	2900
<b>Ballast Factor</b>	0.93
<b>Input Watts</b>	82

Comparative yearly lighting energy cost per 1000 lumens – **\$3.58** based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Candlepower

Angle	End	45	Cross
0	2538	2538	2538
5	2528	2527	2527
10	2495	2501	2504
15	2439	2453	2466
20	2351	2378	2387
25	2240	2266	2266
30	2101	2119	2107
35	1934	1927	1910
40	1729	1683	1671
45	1491	1413	1395
50	1209	1154	1096
55	943	907	814
60	709	648	592
65	504	424	437
70	359	275	326
75	275	194	258
80	212	165	199
	118	97	110

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	1972	22.7	33.5
0-40	3170	36.4	53.8
0-60	5066	58.2	86.0
0-90	5888	67.7	100.0

Average Luminance

Angle	End	45°	Cross
45	7267	6886	6799
55	5666	5450	4891
65	4110	3457	3563
75	3662	2583	3435
85	4666	3835	4349

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50		
	70	50	30	70	50	30	50	30	
pw									
RCR									
0	81	81	81	79	79	79	75	75	
1	73	70	68	72	69	67	67	65	
2	68	63	58	67	61	57	59	56	
3	63	56	51	60	55	51	53	48	
4	57	50	45	56	50	44	47	42	
5	54	45	40	52	45	39	42	39	
6	50	40	35	47	40	34	39	34	
7	46	38	32	45	36	32	35	30	
8	42	34	28	41	34	28	33	28	
9	40	32	26	39	30	26	30	26	
10	38	28	23	36	28	23	28	23	



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Contact Factory for Additional Configurations.  
Specifications are subject to change without notice.  
Consult website for latest version of this spec sheet.

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](http://www.lamprecycle.org)

