

WIDE GRID PREMIUM STATIC TROFFER

EPWG

T5 | T8

CATALOG #: _____ TYPE: _____

PROJECT: _____ NOTES: _____

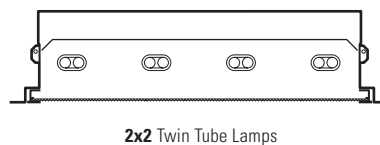
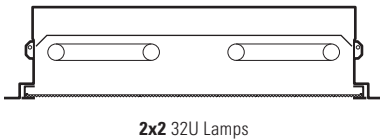
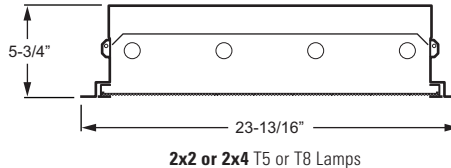
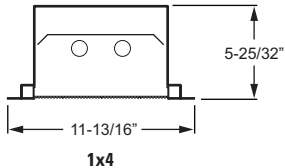


EXAMPLE

EP WG - S 2 4 - 3 32 - F A12125 - OPTIONS - EB3 - UNV

SERIES CEILING TYPE FIX. NOM. NOM. TOTAL WATTAGE/ DOOR SHIELDING OPTIONS BALLAST VOLTAGE
TYPE STYLE W. L. LAMPS TYPE FRAME TYPE TYPE TYPE TYPE

CROSS SECTIONS



FEATURES

- ▶ Designed specifically for use in wide grid (1-1/2" or 2" face) T-bar ceiling systems.
- ▶ Endplate is designed to clear a 2" tall T-bar.
- ▶ Versatile design accepts a variety of shielding types and lamp configurations.
- ▶ Optional anti-microbial powder coating available to prevent the spread of dangerous micro-organisms and suppress the growth of mold and bacteria.
- ▶ Provides uniform ambient illumination.
- ▶ All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- ▶ This fixture is proudly made in the USA.

ORDERING INFORMATION

SERIES

EP Premium Static Troffer (no air handling)

CEILING TYPE

WG Wide Grid

FIXTURE STYLE

S Full door frame—no reveal

NOMINAL WIDTH

1 1'
2 2'

NOMINAL LENGTH

2 2' (2' width only)
4 4'

TOTAL LAMPS

1, 2, or 3 (1' x 4' only)
2, 3, or 4 (2' x 2', 2x4 only)

LAMP WATTAGE/TYPE

1x4 LAMP OPTIONS

32 4', 32-watt T8

2x2 LAMP OPTIONS

17 2', 17-watt T8

31UN 2', U-bent, 31-watt T8, 1-5/8" leg spacing

32U 2', U-bent, 32-watt T8, 6" leg spacing

40TT 2', 40-watt long twin tube

2x4 LAMP OPTIONS

28T5S 4', 28-watt T5

32 4', 32-watt T8

54T5H 4', 54-watt T5HO

DOOR FRAME

F White flat aluminum
R White regress aluminum
FB Black flat aluminum
RB Black regress aluminum

SHIELDING

A12125 Acrylic, pattern #12, .125" thick
A19156 Acrylic, pattern #19, .156" thick
PC1SS Parabolic louver, silver styrene, nominal 1/2" x 1/2" x 1/2"
PC2SS Parabolic louver, silver styrene, nominal 1-1/2" x 1-1/2" x 1"

OPTIONS

For generic EM ballast options (must specify voltage), see [Technical Info](#).

For flexible whip options, see [Technical Info](#).

DG Double gasket (flat aluminum door only)
TG Triple gasket (flat aluminum door only; field installed)
AMW Anti-microbial white finish
CP Chicago Plenum (CCEA)

BALLAST TYPE

Additional ballast options available, see [Technical Info](#).

EB1 1-lamp electronic ballast
EB2 2-lamp electronic ballast
EB3 3-lamp electronic ballast
EB4 4-lamp electronic ballast

VOLTAGE

120 120V
277 277V
UNV 120-277V
347 347V



PHOTOMETRY – 1x4

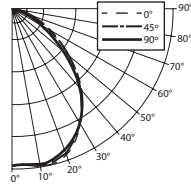
Catalog #: EPWG-S14-232-FA12125-EB2

SPECIFICATIONS

- Housing** – 20-gauge die-formed C.R.S.
Door Frame – .050" thick flat, extruded aluminum with mitered corners. Fully-enclosed spring-loaded cam latches and T-type hinges.
Shielding – Acrylic, pattern #12, .125" thick.
Finish – 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
Electrical – Electronic ballast standard, instant start T8, program start T5, rated Class P.
Mounting – NEMA Type "G" for 1-1/2" and 2" grid ceiling systems.
Labels –
- UL/CUL listed as recessed fluorescent luminaire suitable for dry or damp locations.
 - City of Chicago Environmental Air approved when specified with CP option.

TEST REPORT INFORMATION

- Test Report #: 13873.0
- Date: 12/21/07
- Lamp Type: F32T8/835/RS
- Lamp Quantity: 2



CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	1811.	1811.	1811.	
5°	1808.	1810.	1813.	172.9
15°	1796.	1816.	1837.	514.7
25°	1628.	1666.	1682.	768.5
35°	1365.	1384.	1358.	861.0
45°	1073.	1036.	999.	801.2
55°	635.	583.	551.	530.4
65°	336.	259.	294.	284.6
75°	170.	145.	185.	168.6
85°	62.	62.	69.	72.4
90°	0.	0.	0.	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	1456.	24.7	34.9
0 - 40	2317.	39.3	55.5
0 - 60	3649.	61.8	87.4
0 - 90	4174.	70.8	100.0
Total Luminaire:			
0 - 180	4174.	70.8	100.0
Total Luminaire Optical Efficiency: 70.8%			
IES Spacing Criteria: End = 1.2			
Diagonal = 1.3			
Across = 1.2			

ZONAL CAVITY COEFFICIENTS

	Ceiling	.80			.70			.50		
	Wall	.70	.50	.30	.70	.50	.30	.50	.30	.10
Room Cavity Ratio	0	.84	.84	.84	.82	.82	.82	.79	.79	.79
	1	.78	.76	.73	.76	.74	.72	.71	.69	.67
	2	.73	.68	.64	.71	.66	.63	.64	.61	.58
	3	.67	.61	.56	.66	.60	.55	.58	.54	.51
	4	.62	.55	.50	.61	.54	.49	.52	.48	.45
	5	.57	.49	.44	.56	.49	.43	.47	.43	.39
	6	.53	.45	.39	.52	.44	.39	.43	.38	.35
	7	.49	.40	.35	.48	.40	.35	.39	.34	.30
	8	.45	.36	.31	.44	.36	.31	.35	.30	.27
	9	.42	.33	.27	.41	.32	.27	.32	.27	.23
	10	.39	.30	.25	.38	.30	.24	.29	.24	.21

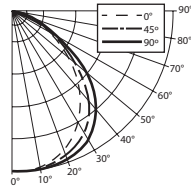
Effective Floor Cavity Reflectance = .20

PHOTOMETRY – 2x2

Catalog #: EPWG-S22-232U-FA12125-EB2

TEST REPORT INFORMATION

- Test Report #: 13655.0
- Date: 08/31/07
- Lamp Type: F32T8/835/U6
- Lamp Quantity: 2



CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	1658.	1658.	1658.	
5°	1654.	1652.	1656.	157.7
15°	1588.	1613.	1641.	457.3
25°	1441.	1526.	1591.	704.5
35°	1201.	1360.	1455.	844.3
45°	899.	1031.	1179	802.5
55°	568.	631.	740.	579.1
65°	303.	283.	370.	307.6
75°	186.	155.	176.	175.3
85°	62.	56.	54.	64.9
90°	0.	0.	0.	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	1319.	23.4	32.2
0 - 40	2164.	38.3	52.9
0 - 60	3545.	62.8	86.6
0 - 90	4093.	72.4	100.0
Total Luminaire:			
0 - 180	4093.	72.4	100.0
Total Luminaire Optical Efficiency: 72.4%			
IES Spacing Criteria: End = 1.2			
Diagonal = 1.3			
Across = 1.4			

ZONAL CAVITY COEFFICIENTS

	Ceiling	.80			.70			.50		
	Wall	.70	.50	.30	.70	.50	.30	.50	.30	.10
Room Cavity Ratio	0	.86	.86	.86	.84	.84	.84	.80	.80	.80
	1	.80	.77	.74	.78	.76	.73	.73	.71	.69
	2	.74	.69	.65	.72	.68	.64	.65	.62	.59
	3	.69	.62	.57	.67	.61	.56	.59	.55	.51
	4	.63	.56	.50	.62	.55	.49	.53	.48	.45
	5	.58	.50	.44	.57	.49	.43	.47	.43	.39
	6	.54	.45	.39	.52	.44	.39	.43	.38	.34
	7	.50	.40	.35	.48	.40	.34	.39	.34	.30
	8	.46	.36	.30	.45	.36	.30	.35	.30	.26
	9	.42	.33	.27	.41	.32	.27	.31	.26	.23
	10	.39	.30	.24	.38	.29	.24	.29	.24	.20

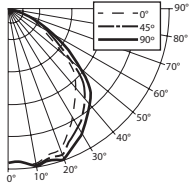
Effective Floor Cavity Reflectance = .20

PHOTOMETRY – 2x4

Catalog #: EPWG-S24-332-FA12125-EB3

TEST REPORT INFORMATION

- ▶ Test Report #: 13650.0
- ▶ Date: 08/27/07
- ▶ Lamp Type: F32T8/835/RS
- ▶ Lamp Quantity: 3



CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	2654.	2654.	2654.	
5°	2637.	2642.	2647.	252.1
15°	2601.	2649.	2702.	751.0
25°	2375.	2500.	2619.	1156.2
35°	1964.	2233.	2338.	1379.4
45°	1617.	1812.	1982.	1398.7
55°	962.	1067.	1279.	982.7
65°	544.	505.	584.	530.8
75°	285.	273.	326.	302.2
85°	103.	117.	125.	129.3
90°	0.	0.	0.	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	2159.	24.4	31.4
0 - 40	3539.	40.0	51.4
0 - 60	5920.	66.9	86.0
0 - 90	6882.	77.8	100.0
Total Luminaire:			
0 - 180	6882.	77.8	100.0

Total Luminaire Optical Efficiency: **77.8%**
 IES Spacing Criteria: End = 1.2
 Diagonal = 1.3
 Across = 1.4

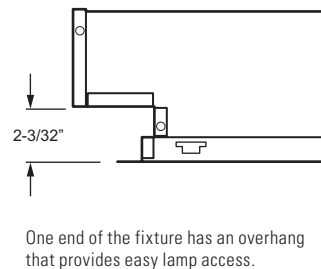
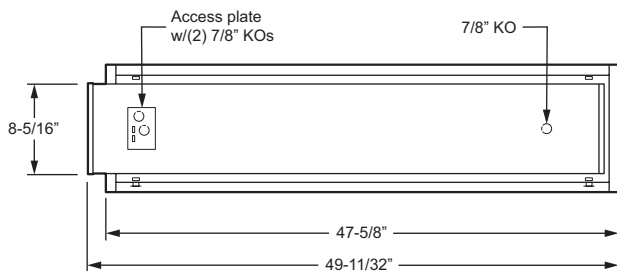
ZONAL CAVITY COEFFICIENTS

Room Cavity Ratio	Ceiling			Wall			Floor		
	.80	.70	.50	.70	.50	.30	.50	.30	.10
0	.93	.93	.93	.90	.90	.90	.86	.86	.86
1	.86	.83	.80	.84	.81	.78	.78	.75	.73
2	.79	.74	.69	.77	.72	.68	.70	.66	.63
3	.73	.66	.61	.71	.65	.60	.63	.58	.55
4	.68	.59	.53	.66	.58	.53	.56	.51	.48
5	.62	.53	.47	.61	.52	.46	.51	.45	.41
6	.57	.48	.41	.56	.47	.41	.46	.40	.36
7	.53	.43	.37	.52	.42	.36	.41	.36	.32
8	.49	.39	.32	.48	.38	.32	.37	.31	.28
9	.45	.35	.28	.44	.34	.28	.33	.28	.24
10	.42	.31	.25	.41	.31	.25	.30	.25	.21

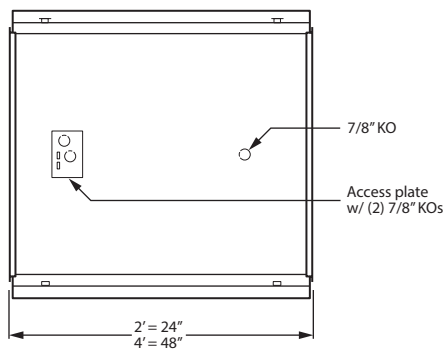
Effective Floor Cavity Reflectance = .20

FIXTURE DETAILS

1x4 BACK VIEW

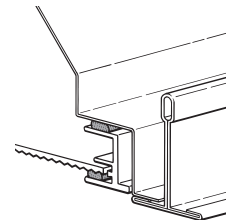


2x2 | 2x4 BACK VIEW



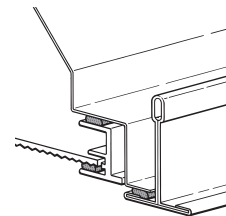
GASKETING DETAILS

DOUBLE GASKETING (DG)



Gasketing is factory-installed continuously between door frame and luminaire housing; and between door frame and lens.

TRIPLE GASKETING (TG)



Gasketing is factory-installed continuously between door frame and luminaire housing; and between door frame and lens. Gasketing between bottom perimeter of unit (adjacent to T-bar or hardpan ceiling) is provided by factory and field installed.

