

EFFICIENT TROFFER

EFT

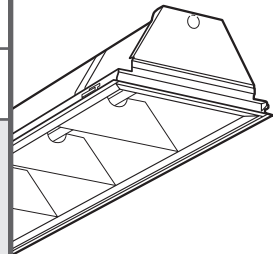
SUBMITTAL:

1x4

JOB:

TYPE:

VOLTAGE:



EXAMPLE

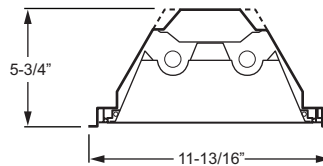
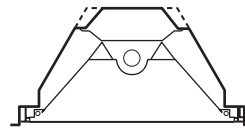
EFT G - 1 4 - 1 32 - OPTIONS - EB1 - UNV

SERIES CEILING TYPE NOM. W. NOM. L. TOTAL WATTAGE/LAMPS OPTIONS BALLAST TYPE VOLTAGE



FEATURES

- ▶ Performing at efficiencies above 88%, the EFT is a high quality, economical, energy-efficient fixture.
- ▶ Full 3" cross baffles provide lamp cutoff and assist in glare reduction.
- ▶ Fully enclosed, spring-loaded cam latches allow years of hassle-free maintenance.
- ▶ T-slot steel hinge ensures positive retention when door is opened.
- ▶ Deep reinforcement ribs provide added strength.
- ▶ Integral T-bar clips quickly secure fixture to structure.
- ▶ This fixture is proudly made in the USA.



SPECIFICATIONS

Housing – 22-gauge die-formed C.R.S.

Door Frame & Louver – Door: extruded aluminum, .050" thick, flat with mitered corners. Louver: 25-gauge C.R.S.

Finish – Door and Housing: 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. Louver: highly reflective non-glare matte white polyester powder coat. 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" standard. NEMA Type "F" available.

Labels – UL/CUL listed as recessed fluorescent luminaire suitable for dry or damp locations.

ORDERING INFORMATION

SERIES

EFT Efficient Troffer

CEILING TYPE

G NEMA Type "G"
F NEMA Type "F"

NOMINAL WIDTH

1 1'

NOMINAL LENGTH

4 4'

TOTAL LAMPS

1 or 2

LAMP WATTAGE/TYPE

28T5S 4', 28-watt T5
32 4', 32-watt T8
54T5H 4', 54-watt T5HO

OPTIONS

For generic EM ballast options (must specify voltage), see Information section.

BALLAST TYPE

EB1 1-lamp electronic ballast
EB2 2-lamp electronic ballast

VOLTAGE

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

1x4

PHOTOMETRY INFORMATION

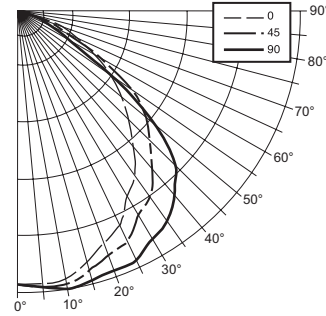
Catalog #: EFTG-14-132-EB1

TEST REPORT INFORMATION

- ▶ Test Report #: 14347.0
- ▶ Date: 11/13/08
- ▶ Lamp Type: F32T8/835
- ▶ Lamp Quantity: 1

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	1033.	1033.	1033.	
5°	1036.	1044.	1048.	99.5
15°	982.	1014.	1050.	287.7
25°	890.	958.	1038.	445.2
35°	755.	855.	971.	539.2
45°	579.	694.	824.	541.6
55°	413.	507.	417.	407.5
65°	239.	196.	134.	195.4
75°	99.	74.	52.	78.9
85°	24.	18.	11.	20.0
90°	0.	0.	0.	



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	832.	28.2	31.8
0 - 40	1372.	46.5	52.4
0 - 60	2321.	78.7	88.7
0 - 90	2615.	88.6	100.0
Total Luminaire:			
0 - 180	2615.	88.6	100.0

Total Luminaire Optical Efficiency: **88.6%**
 IES Spacing Criteria: End = 1.2
 Diagonal = 1.3
 Across = 1.4

ZONAL CAVITY COEFFICIENTS

Room Cavity Ratio	Ceiling		.80			.70			.50		
	Wall	.70	.50	.30	.70	.50	.30	.50	.30	.10	
	0	1.06	1.06	1.06	1.03	1.03	1.03	.98	.98	.98	
1	.98	.95	.92	.96	.93	.90	.89	.87	.85		
2	.91	.85	.80	.89	.84	.79	.81	.77	.73		
3	.84	.76	.70	.82	.75	.69	.73	.68	.64		
4	.78	.69	.62	.76	.67	.61	.65	.60	.55		
5	.72	.61	.54	.70	.60	.54	.59	.53	.48		
6	.66	.55	.48	.64	.54	.47	.53	.47	.42		
7	.61	.50	.42	.59	.49	.42	.48	.41	.37		
8	.56	.44	.37	.55	.44	.37	.43	.36	.32		
9	.51	.40	.33	.50	.39	.32	.38	.32	.28		
10	.48	.36	.29	.47	.36	.29	.35	.29	.24		

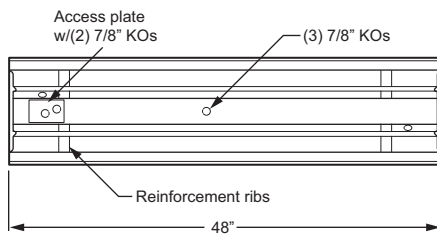
Effective Floor Cavity Reflectance = .20

QUANTITY ESTIMATOR

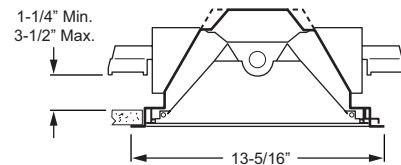
Room Size	±30 fc.	±50 fc.	±70 fc.
10' x 100' (1,000 sq. ft.)	14	24	—
30' x 30' (900 sq. ft.)	13	21	30
50' x 50' (2,500 sq. ft.)	33	54	75

Calculations based on standard reflectance of 80/50/20 and a light loss factor of .85 with a 9'-0" ceiling height.

BACKVIEW



NEMA TYPE "F" INSTALLATION



Maximum Recommended Ceiling Opening: 12-3/8" x 48-3/8"
 For continuous row mounting, add 49-5/16" for each additional fixture to obtain ceiling opening. 1-5/16" between end plates.