

HIGH EFFICIENCY TROFFER – AIR RETURN

HET

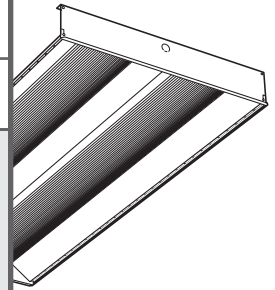
SUBMITTAL:

2' WIDE T8

JOB:

TYPE:

VOLTAGE:



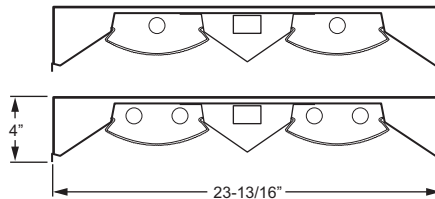
EXAMPLE **HET G - AR 2 4 - 2 32 - A - OPTIONS - EB2 - UNV**

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



FEATURES

- ▶ Black reveal minimizes appearance of dirt and dust resulting from air return function.
- ▶ Air return capability reduces number of unsightly ceiling vents for a cleaner appearance.
- ▶ Frosted acrylic diffusers combined with highly reflective matte white paint provides high optical efficiencies without sacrificing visual comfort.
- ▶ One-piece diffusers eliminate the need for separate overlays.
- ▶ Attractive, energy efficient architectural fixture delivers comfortable, uniform lighting.
- ▶ Shallow fixture depth allows for use in limited plenum applications.
- ▶ Optional anti-microbial powder coating available to prevent the spread of dangerous micro-organisms and suppress the growth of mold and bacteria.
- ▶ Tool-less access to electrical from room side of fixture.
- ▶ 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.

Shielding – Ribbed acrylic diffuser.

Finish – Highly reflective non-glare matte 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, rated Class P.

Mounting – NEMA Type "G".

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

ORDERING INFORMATION

SERIES

HET High Efficiency Troffer–Air Return

CEILING TYPE

G NEMA Type "G"

FIXTURE STYLE

AR Air return only (through side slots)

NOMINAL WIDTH

2 2'

NOMINAL LENGTH

2 2'

4 4'

TOTAL LAMPS

2 or 4

LAMP WATTAGE/TYPE

2' LAMP OPTIONS

17 2', 17-watt T8

4' LAMP OPTIONS

32 4', 32-watt T8

SHIELDING

A Acrylic lens

OPTIONS

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

AMW Anti-microbial white finish

EQCLIPS Earthquake clips (4 per fixture)

BALLAST TYPE

EB2 2-lamp electronic ballast

EBSD2*S50 2-lamp electronic ballast, step-dimming to 50% power

EB4 4-lamp electronic ballast

EB2/2 (2) 2-lamp electronic ballasts

EBSD2/2*S50 (2) 2-lamp electronic ballasts, step-dimming to 50% power

VOLTAGE

120 120V

277 277V

UNV 120-277V

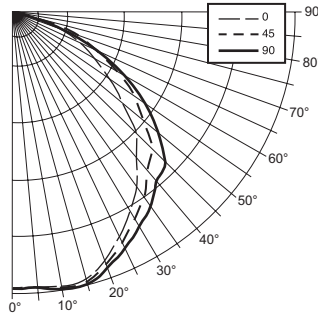
347 347V



PHOTOMETRY INFORMATION

TEST REPORT INFORMATION

- ▶ Test Report #: 15490.0
- ▶ Date: 09/28/06
- ▶ Lamp Type: F32
- ▶ Lamp Quantity: 2



CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	1880.	1880.	1880.	
5°	1881.	1881.	1883.	179.6
15°	1881.	1899.	1915.	538.2
25°	1684.	1728.	1773.	799.8
35°	1441.	1530.	1611.	959.4
45°	1165.	1324.	1455.	1019.9
55°	791.	983.	1097.	865.3
65°	484.	650.	616.	591.8
75°	230.	269.	202.	261.3
85°	52.	33.	24.	40.6
90°	0.	0.	0.	

ZONAL CAVITY COEFFICIENTS

	Ceiling			Wall			Floor		
	.80	.70	.50	.70	.50	.30	.50	.30	.10
Room Cavity Ratio 0	1.06	1.06	1.06	1.04	1.04	1.04	.99	.99	.99
1	.98	.95	.91	.96	.93	.90	.89	.86	.84
2	.90	.84	.78	.88	.82	.77	.79	.75	.71
3	.83	.75	.68	.81	.73	.67	.71	.65	.61
4	.76	.66	.59	.74	.65	.59	.63	.57	.53
5	.70	.59	.51	.68	.58	.51	.56	.50	.45
6	.64	.53	.45	.63	.52	.45	.50	.44	.39
7	.59	.47	.40	.58	.47	.39	.45	.39	.34
8	.54	.42	.35	.53	.42	.35	.41	.34	.29
9	.50	.38	.31	.49	.37	.30	.36	.30	.25
10	.46	.34	.27	.45	.34	.27	.33	.27	.22

Effective Floor Cavity Reflectance = .20

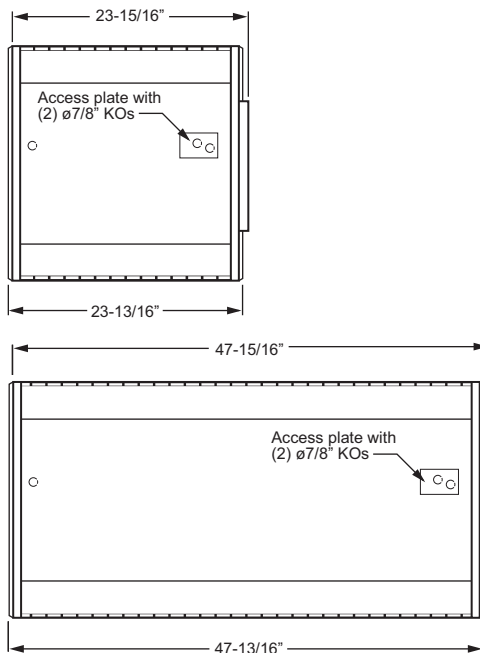
LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	1518.	25.7	28.9
0 - 40	2477.	42.0	47.1
0 - 60	4362.	73.9	83.0
0 - 90	5256.	89.1	100.0
Total Luminaire:			
0 - 180	5256.	89.1	100.0

Total Luminaire Optical Efficiency: **89.1%**
 IES Spacing Criteria: End = 1.2
 Diagonal = 1.3
 Across = 1.3

FIXTURE DETAILS

BACKVIEW



AIR RETURN

