

# HIGH EFFICIENCY TROFFER

# HET

CATALOG #: \_\_\_\_\_ TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_

NOTES: \_\_\_\_\_

1x1

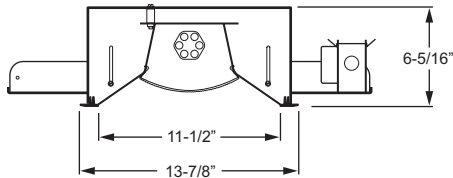


EXAMPLE

**HET - 1 1 - 1 42T - A - OPTIONS - EB1 - UNV**

SERIES    NOM. W.    NOM. L.    NUMBER OF LAMPS    WATTAGE/TYPE    SHIELDING    OPTIONS    BALLAST TYPE    VOLTAGE

## CROSS SECTION



## ORDERING INFORMATION

### SERIES

**HET** 1' x 1' Square Architectural Downlight

### NOMINAL WIDTH

**1** 1'

### NOMINAL LENGTH

**1** 1'

### LAMP OPTIONS

# OF LAMPS	WATTAGE/TYPE
1	26Q, 32T, or 42T

### SHIELDING

**A** Acrylic diffuser

### OPTIONS

See Technical Info for **EM ballast options** (must specify voltage).  
**AMW** Anti-microbial white finish

### BALLAST TYPE

**EB1** 1-lamp electronic ballast  
**EBD1\* \_\_\_** 1-lamp electronic dimming ballast (120V or 277V only, must specify. See Technical Info for dimming ballast options.)

### VOLTAGE

**120** 120V  
**277** 277V  
**UNV** 120-277V

## FEATURES

- ▶ A compact fluorescent downlight addition designed to complement the aesthetics of the Williams HET family.
- ▶ Removable diffuser allows for easy lamp replacement.
- ▶ Companion HET/HES products available.
- ▶ Optional anti-microbial powder coating available.
- ▶ Reflective surfaces painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- ▶ Adjustable hanger brackets with bar hangers standard.
- ▶ This fixture is proudly made in the USA.



1x1

Catalog #: HET-11-142T-A-EB1

## SPECIFICATIONS

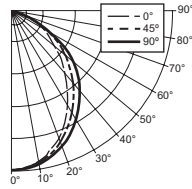
**Housing** – Heavy-duty C.R.S with 20-gauge galvanized steel pan/plaster frame.  
**Reflective Surfaces** – 22-gauge die-formed C.R.S. finished in a highly reflective non-glare matte white polyester powder coat bonded to phosphate-free, multistage pretreated metal.  
**Shielding** – Frosted ribbed acrylic diffuser with a linear prismatic underlay.  
**Electrical** – Electronic ballast standard. Prewired at factory for easy field installation.  
**Mounting** – Recessed. Pan size: 17" x 23" Ceiling cutout: 13-1/4" sq.  
**Labels** – UL listed as recessed fluorescent luminaire suitable for dry or damp locations. Certified for through-branch circuit wiring.

LAMP BASE DATA	
WATTAGE	BASE
26Q	G24Q-3
32T	GX24Q-3
42T	GX24Q-4

## PHOTOMETRY

### TEST REPORT INFORMATION

- ▶ Test Report #: 14489.0
- ▶ Date: 02/25/09
- ▶ Lamp Type:
- ▶ CFM42W/GX24q/35
- ▶ Lamp Quantity: 1
- ▶ Note: Test performed using amalgam lamps within a still air environment at an ambient temperature of 25°C.



### ZONAL CAVITY COEFFICIENTS

	.80			.70			.50		
	Ceiling	Wall	Floor	Ceiling	Wall	Floor	Ceiling	Wall	Floor
0	.67	.67	.67	.65	.65	.65	.62	.62	.62
1	.62	.60	.58	.61	.59	.57	.57	.55	.54
2	.58	.54	.51	.57	.53	.50	.51	.49	.47
3	.54	.49	.45	.52	.48	.44	.46	.43	.41
4	.50	.44	.40	.48	.43	.39	.42	.38	.36
5	.46	.39	.35	.45	.39	.34	.37	.34	.31
6	.42	.35	.31	.41	.35	.31	.34	.30	.27
7	.39	.32	.28	.38	.32	.27	.31	.27	.24
8	.36	.29	.24	.35	.29	.24	.28	.24	.21
9	.33	.26	.22	.32	.26	.22	.25	.21	.19
10	.31	.24	.19	.30	.23	.19	.23	.19	.17

Effective Floor Cavity Reflectance = .20

### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	856.	856.	856.	
5	849.	849.	852.	81.1
15	779.	795.	810.	225.4
25	665.	694.	731.	321.7
35	511.	572.	619.	357.1
45	369.	433.	498.	335.2
55	240.	302.	334.	263.3
65	136.	165.	150.	151.9
75	53.	54.	41.	55.0
85	6.	4.	1.	4.5
90	0.	0.	0.	

### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	628.	19.6	35.0
0 - 40	985.	30.8	54.9
0 - 60	1584.	49.5	88.2
0 - 90	1795.	56.1	100.0
<b>Total Luminaire:</b>			
0 - 180	1795.	56.1	100.0

Total Luminaire Optical Efficiency: 56.1%  
 Spacing Criteria: Across: 1.2  
 Diagonal: 1.1  
 End: 1.1