

HIGH EFFICIENCY TROFFER – AIR RETURN LED

HET

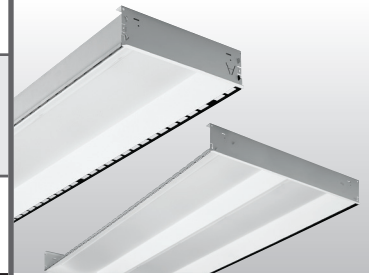
CATALOG #: _____ TYPE: _____

PROJECT: _____ NOTES: _____

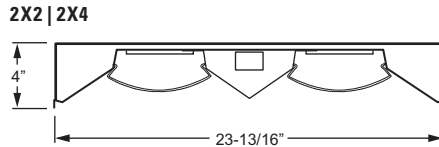
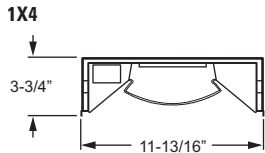
EXAMPLE **HET G - AR 2 4 - L76/840 - A - OPTIONS - DIM - UNV**

SERIES CEILING TYPE FIX. STYLE NOM. NOM. W. L. LUMEN PACKAGE CRI & CCT SHIELDING OPTIONS DRIVER VOLTAGE

1x4 | 2x2 | 2x4 LED



CROSS SECTIONS



FEATURES

- ▶ Attractive and efficient architectural fixture delivers comfortable, uniform illumination.
- ▶ Air return capability reduces number of unsightly ceiling vents for a cleaner appearance.
- ▶ Power and light levels can be custom set to meet energy and design needs.
- ▶ Multiple dimming protocols available.
- ▶ Optional system-integrated emergency LED driver available.
- ▶ Up to 7600 lumens (2x4) or 3800 lumens (1x4, 2x2).
- ▶ Fixture design allows LED technology to be added seamlessly to any existing HET project.
- ▶ Minimum 80 CRI; 3000K, 3500K, 4000K, or 5000K CCT.
- ▶ Delivers high efficacies at variable light levels.
- ▶ Tool-less, room side access to all components.
- ▶ Frosted acrylic diffusers combined with highly reflective matte white paint provide high optical efficiencies and visual comfort.
- ▶ One-piece diffusers eliminate the need for separate overlays.
- ▶ Companion HET/HES products available in Surface Mount and Williams Downlighting Recessed LED sections.
- ▶ This fixture is proudly made in the USA.

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

1	1'
2	2'

NOMINAL LENGTH

2	2'
4	4'

LED PACKAGE

Example: L76/840			AVERAGE SYSTEM WATTAGE
LUMEN PACKAGE	NOMINAL LUMENS	MINIMUM CRI & CCT	
1x4			
L30	3,000	830 = 80 CRI, 3000K 835 = 80 CRI, 3500K 840 = 80 CRI, 4000K 850 = 80 CRI, 5000K	33
L33	3,300		36
L36	3,600		40
L38	3,800		43
2x2			
L30	3,000	830 = 80 CRI, 3000K 835 = 80 CRI, 3500K 840 = 80 CRI, 4000K 850 = 80 CRI, 5000K	33
L33	3,300		37
L36	3,600		41
L38	3,800		44
2x4			
L40	4,000	830 = 80 CRI, 3000K 835 = 80 CRI, 3500K 840 = 80 CRI, 4000K 850 = 80 CRI, 5000K	41
L50	5,000		51
L60	6,000		63
L76	7,600		87

Nominal lumens based on 3500K CCT, actual lumens may vary.

SHIELDING
A Frosted, ribbed acrylic diffusers

OPTIONS
EM/10W EQCLIPS (L__) 10-watt emergency driver (120-277V only) Earthquake clips (4 per fixture) Additional lower lumen packages available. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
Example: 6,500 nominal lumens = HETAR-S24-L76/850-(L65).

DRIVER
 Additional dimming drivers available, [see Information Section](#).
DRV Driver prewired for non-dimming applications
DIM Driver prewired for 0-10V low voltage dimming applications

VOLTAGE

120	120V
277	277V
UNV	120-277V
347	347V (DRV and DIM only. Not available with EM drivers.)



1x4 | 2x2 | 2x4 LED

Catalog #: **HETG-AR24-L76/840-A**

SPECIFICATIONS

Housing – 22-gauge die-formed C.R.S.
Shielding – Frosted, ribbed acrylic.
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 – High quality mid-power LED boards. Rated for 50,000 hours at 70% lumen maintenance (L70).
Mounting – NEMA Type “G”.
Labels – cETLus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations.
Warranty – 5-year limited warranty, see hew.com/warranty.

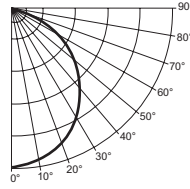
IMPORTANT:

Electrostatic sensitive unit. Observe precautions when handling.

PHOTOMETRY – 2x4

TEST REPORT INFORMATION

- ▶ Test Report #: 100669206CRT-005
- ▶ Date: 08/20/12
- ▶ Lamp Type: LED
- ▶ **Rated Lumens: 7894**
- ▶ **Watts: 85.4**
- ▶ **Lumens Per Watt: 92.5**
- ▶ **CRI: 82.7**
- ▶ **CCT: 4072K**



CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	3257.	3257.	3257.	
5°	3243.	3238.	3231.	307.5
15°	3104.	3099.	3092.	873.2
25°	2809.	2810.	2801.	1292.0
35°	2371.	2400.	2408.	1495.0
45°	1832.	1898.	1929.	1457.0
55°	1276.	1376.	1409.	1214.0
65°	777.	880.	750.	809.4
75°	373.	372.	263.	376.2
85°	78.	37.	23.	69.7
90°	0.	0.	0.	

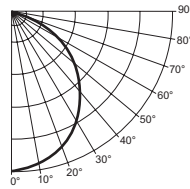
LUMEN SUMMARY

Zone	Lumens	% Fixture
0° - 30°	2473.	31.3
0° - 40°	3968.	50.3
0° - 60°	6638.	84.1
0° - 90°	7894.	100.0
TOTAL LUMINAIRE:		
0 - 180	7894.	100.0
IES Spacing Criteria: End = 1.2 Across = 1.2		

PHOTOMETRY – 2x2

TEST REPORT INFORMATION

- ▶ Test Report #: 100669206CRT-005
- ▶ Date: 08/17/12
- ▶ Lamp Type: LED
- ▶ **Rated Lumens: 3941**
- ▶ **Watts: 42.7**
- ▶ **Lumens Per Watt: 92.3**
- ▶ **CRI: 82.8**
- ▶ **CCT: 4039K**



CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	1679.	1679.	1679.	
5°	1673.	1673.	1664.	158.5
15°	1590.	1597.	1597.	449.3
25°	1419.	1436.	1453.	660.7
35°	1185.	1215.	1250.	758.8
45°	900.	945.	994.	728.7
55°	605.	667.	714.	592.9
65°	354.	416.	371.	384.8
75°	165.	176.	122.	174.5
85°	36.	21.	11.	32.7
90°	0.	0.	0.	

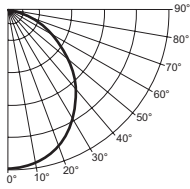
LUMEN SUMMARY

Zone	Lumens	% Fixture
0° - 30°	1269.	32.2
0° - 40°	2027.	51.4
0° - 60°	3349.	85.0
0° - 90°	3941.	100.0
TOTAL LUMINAIRE:		
0 - 180	3941.	100.0
IES Spacing Criteria: End = 1.2 Across = 1.2		

PHOTOMETRY – 1x4

TEST REPORT INFORMATION

- ▶ Test Report #: 100669206CRT-003
- ▶ Date: 08/20/12
- ▶ Lamp Type: LED
- ▶ **Rated Lumens: 4034**
- ▶ **Watts: 42.8**
- ▶ **Lumens Per Watt: 94.2**
- ▶ **CRI: 82.7**
- ▶ **CCT: 4039K**



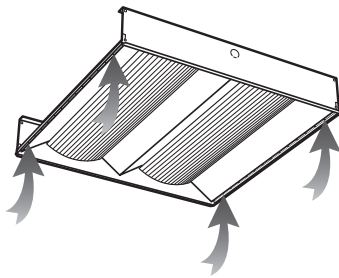
CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	1696.	1696.	1696.	
5°	1690.	1692.	1688.	160.3
15°	1630.	1625.	1619.	457.3
25°	1494.	1485.	1480.	683.0
35°	1277.	1274.	1275.	794.4
45°	986.	1004.	1004.	766.6
55°	664.	705.	667.	610.3
65°	384.	411.	314.	376.4
75°	175.	162.	97.	161.4
85°	36.	10.	7.	24.5
90°	0.	0.	0.	

LUMEN SUMMARY

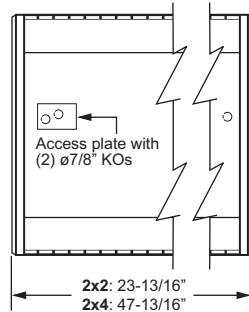
Zone	Lumens	% Fixture
0° - 30°	1301.	32.2
0° - 40°	2095.	51.9
0° - 60°	3472.	86.1
0° - 90°	4034.	100.0
TOTAL LUMINAIRE:		
0 - 180	4034.	100.0
IES Spacing Criteria: End = 1.2 Across = 1.2		

AIR RETURN



FIXTURE DETAILS

BACK VIEW 2x2 | 2x4



1x4

