

# HIGH EFFICIENCY TROFFER – LENSED

# HETL

## PoE

CATALOG #:

TYPE:

PROJECT:

NOTES:

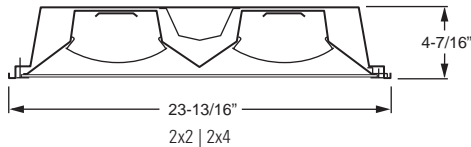
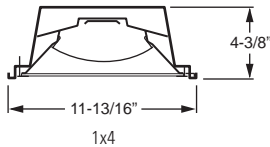
EXAMPLE

**HETL G - S 2 4 - L126/835 - F A - OPTIONS - POE N**

SERIES    CEILING TYPE    FIX. NOM. STYLE    NOM. L.    LUMEN PACKAGE    CRI & CCT    DOOR SHIELD. FRAME    OPTIONS/ ACCESSORIES    CONTROL



## CROSS SECTIONS



## FEATURES

- ▶ Williams turn-key Power over Ethernet (PoE) solution provides plug-and-play networked lighting and control.
- ▶ Efficacies up to 131 lm/W
- ▶ Transparent lensed door provides a barrier between the room and the ribbed acrylic diffuser to discourage vandals and minimize contaminants. Double or triple gasketing options available
- ▶ Hinged optical assembly swings down to allow easy access to the electrical
- ▶ Attractive and efficient architectural troffer delivers comfortable, uniform illumination
- ▶ Frosted acrylic diffuser combined with highly reflective matte white paint provides high optical efficiencies and visual comfort
- ▶ This fixture is proudly made in the USA

## ORDERING INFORMATION

**SERIES**  
**HETL** High Efficiency Troffer Lensed – PoE

**CEILING TYPE**  
**G** NEMA Type “G”  
**F** NEMA Type “F”

**FIXTURE STYLE**  
**S** Static, no air capability, full door frame, no reveal

**NOMINAL WIDTH**  
**1** 1’  
**2** 2’

**NOMINAL LENGTH**  
**2** 2’  
**4** 4’

### LED PACKAGE

Example: P126/835				
LUMEN PACKAGE	NOMINAL LUMENS	MINIMUM CRI & CCT	WATTAGE	
<b>1x4</b>				
<b>P28</b>	2,800	<b>830</b> = 80 CRI, 3000K <b>835</b> = 80 CRI, 3500K <b>840</b> = 80 CRI, 4000K <b>850</b> = 80 CRI, 5000K	24	
<b>P60</b>	6,000		50	
<b>2x2</b>				
<b>P28</b>	2,800		24	
<b>P60</b>	6,000		50	
<b>2x4</b>				
<b>P62</b>	6,200		49	
<b>P126</b>	12,600		100	

Nominal lumen output based on 3000 CCT. Actual lumens may vary +/-5%, see fixture performance data.

**DOOR FRAME**  
**F** Flat aluminum

**SHIELDING**  
**A** Clear, non-prismatic acrylic, .080” thick  
**P** Clear, non-prismatic polycarbonate, .080” thick

**OPTIONS**  
**EQCLIPS** Earthquake clips (4 per fixture)  
**DG** Double gasket  
**TG** Triple gasket (field installed)

**ACCESSORIES** (Shipped Separately)  
 See [hew.com/poe](http://hew.com/poe) for compatible sensors & switches

**CONTROL**  
 For additional PoE info, see [hew.com/poe](http://hew.com/poe)  
 1x4 fixture node requires remote mounting, see page 3 for details.  
**POE N** Power over Ethernet network node  
**POE D** Power over Ethernet device node (not available for fixtures over 40W)

## SYSTEM REQUIREMENTS

- Lighting system (site software)
- Gateway or alternate server (runs software)
- PoE switches or Ethernet switches and mid-span power injectors
- See [hew.com/poe](http://hew.com/poe) for details



### SPECIFICATIONS

**Housing** – 22-gauge die-formed C.R.S.  
**Door Frame & Lens** – Transparent acrylic lens, .080" thick, mounted in .050" thick extruded aluminum door frame, flat with mitered corners.  
**Reflector** – Precision die-formed C.R.S. with highly reflective, non-glare matte white polyester powder coated finish.  
**Diffuser** – Ribbed acrylic.  
**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** – High quality mid-power LED board. L70 at 50,000 hours. Low-voltage DC fixture, to be fed by Class 2 power supply.  
**Mounting** – NEMA Type "G" standard. NEMA Type "F" available.  
**Labels** – cCSAus certified as luminaire suitable for dry or damp locations.  
**Warranty** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

### IMPORTANT:

Electrostatic sensitive unit. Observe precautions when handling.

### FIXTURE PERFORMANCE DATA

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (LM/W)
<b>1x4</b>			
P28	2840	24	118.3
P60	6011	50	120.2
<b>2x2</b>			
P28	2840	24	118.3
P60	6011	50	120.2
<b>2x4</b>			
P62	6245	49	127.4
P126 <sup>1</sup>	12620	100	126.2

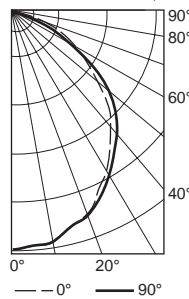
- 1 Fixture contains two nodes; one power drop per node required.
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
  - Results based on 3500K, 80 CRI, actual lumens may vary +/-5%
  - Use multiplier table to calculate additional options.

### MULTIPLIER TABLE

COLOR TEMPERATURE	
CCT/CRI	CONVERSION FACTOR
3000K/80CRI	0.99
3500K/80CRI	1.00
4000K/80CRI	1.03
5000K/80CRI	1.06

### PHOTOMETRY

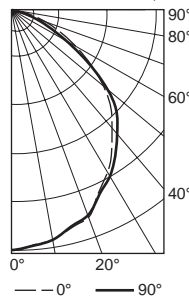
**HETL-24-P126/835-FA** Total Luminaire Output: 12620 lumens; 100 Watts  
 Efficacy: 126 lm/W | 82.5 CRI; 3442K CCT | IES Spacing Criteria: End: 1.2, Across: 1.2, Diagonal: 1.2



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
0	0	5432	5432	5432	
5	5	5371	5368	5361	512
15	15	5074	5086	5099	1446
25	25	4556	4604	4647	2135
35	35	3814	3913	3989	2466
45	45	3047	3225	3337	2456
55	55	2049	2265	2212	1952
65	65	1158	1267	978	1156
75	75	424	381	275	429
85	85	50	41	41	68
90	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	4093	32
	0 - 40	6559	52
	0 - 60	10967	87
	0 - 90	12620	100
	0 - 180	12620	100

**HETL-14-P60/835-FA** Total Luminaire Output: 6012 lumens; 50 Watts  
 Efficacy: 120 lm/W | 82.5 CRI; 3447K CCT | IES Spacing Criteria: End: 1.2, Across: 1.2, Diagonal: 1.2

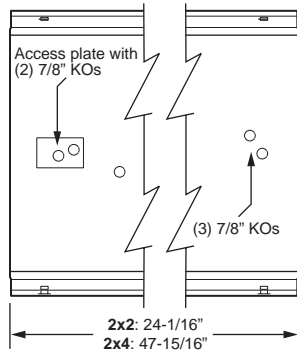


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
0	0	2613	2613	2613	
5	5	2569	2568	2568	245
15	15	2436	2444	2460	694
25	25	2186	2206	2217	1024
35	35	1859	1897	1922	1189
45	45	1518	1587	1607	1191
55	55	1009	1074	951	913
65	65	585	569	401	526
75	75	217	169	123	196
85	85	28	23	24	34
90	90	0	0	0	

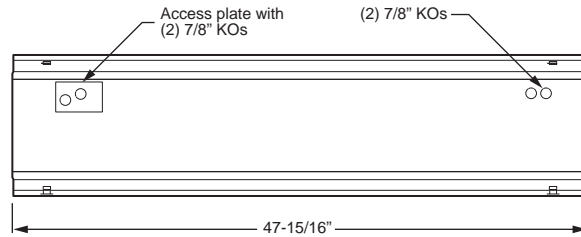
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1963	33
	0 - 40	3151	52
	0 - 60	5256	87
	0 - 90	6012	100
	0 - 180	6012	100

### FIXTURE DETAILS

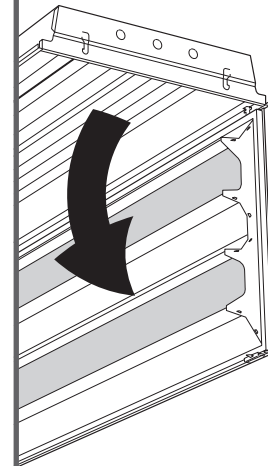
#### BACK VIEW 2x2 | 2x4



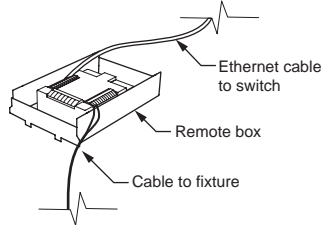
#### 1x4



### DOOR ASSEMBLY DETAILS



#### REMOTE MOUNT NODE DETAILS



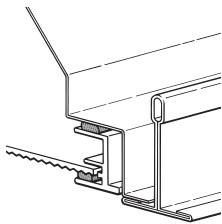
Includes 2' plenum rated 18ga. solid cable. Remote box can be installed in:

- Above ceiling grid
- Remote closet (within 100ft)
- Surface below ceiling

See [Technical Info](#) for dimension details.

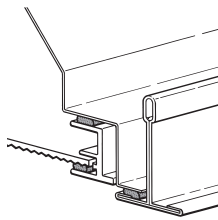
### GASKETING DETAILS

#### 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.

