

HIGH EFFICIENCY TROFFER – LENSED

HETL

LED

CATALOG #:

TYPE:

PROJECT:

NOTES:

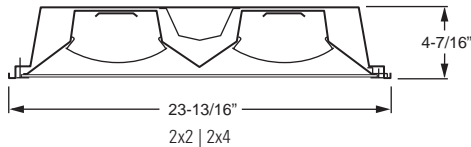
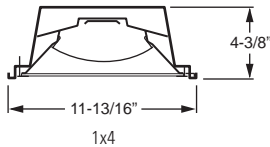
EXAMPLE

HETL G - S 2 4 - L93/835 - F A - OPTIONS - DIM - UNV

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



CROSS SECTIONS



FEATURES

- ▶ 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
- ▶ Minimum 82 CRI; 3000K, 3500K, 4000K, or 5000K CCT
- ▶ This fixture is proudly made in the USA

ORDERING INFORMATION

SERIES
HETL High Efficiency Troffer – Lensed

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: L93/835			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	32
L48	4,800		51
L52	5,200		52
2x2			
L28	2,800	830 = 80 CRI, 3000K 835 = 80 CRI, 3500K 840 = 80 CRI, 4000K 850 = 80 CRI, 5000K	31
L46	4,600		52
2x4			
L57	5,700	830 = 80 CRI, 3000K 835 = 80 CRI, 3500K 840 = 80 CRI, 4000K 850 = 80 CRI, 5000K	59
L93	9,300		92

Nominal lumen output based on 3500 CCT. Actual lumens may vary +/-5%, see specific photometric test. Additional LED lumen packages available, see options.

DOOR FRAME
F Flat aluminum

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

OPTIONS
EM/10W 10-watt emergency battery (120-277V only)
EQCLIPS Earthquake clips (4 per fixture)
DG Double gasket
TG Triple gasket (field installed)
(L__) Additional lower lumen packages available. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
Example: 8,500 nominal lumens = **HETLG-S24-L93/850-(L85)**.
CP Chicago Plenum (CCEA)

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

VOLTAGE
120 120V
277 277V
UNV 120-277V
347 347V (not available with EM drivers)



LED

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 coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
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. 25°C maximum ambient operating temperature.
Mounting – NEMA Type "G" standard. NEMA Type "F" available.
Labels –

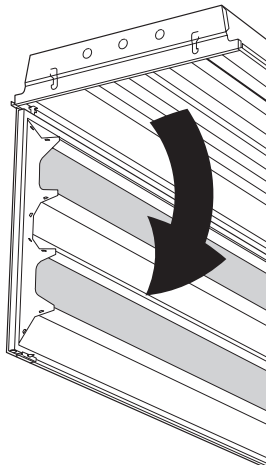
- cETLus conforms to UL STD 1598 and UL STD 8750.
- Certified to CAN/CSA STD C22.2 No. 250.0.
- Suitable for damp locations.
- City of Chicago Environmental Air approved when specified with CP option.

Warranty – 5-year limited warranty, see hew.com/warranty.

IMPORTANT:

Electrostatic sensitive unit. Observe precautions when handling.

DOOR ASSEMBLY DETAILS

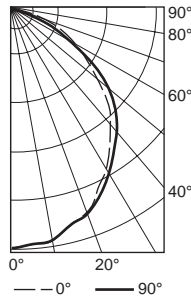


PHOTOMETRY – 2x4

Catalog #: HETLG-S24-L93/835-FCHA118-DIM-UNV

TEST REPORT INFORMATION

- ▶ Test Report #: 18752.0
- ▶ Date: 03/10/15
- ▶ Lamp Type: LED
- ▶ **Rated Lumens: 9258**
- ▶ **Watts: 91.5**
- ▶ **Lumens Per Watt: 101.2**
- ▶ **CRI: 82.5**
- ▶ **CCT: 3442K**



CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	3995.	3995.	3995.	
5°	3950.	3948.	3943.	376.8
15°	3732.	3741.	3750.	1060.3
25°	3351.	3386.	3418.	1567.1
35°	2805.	2878.	2934.	1804.2
45°	2241.	2372.	2454.	1828.1
55°	1507.	1666.	1627.	1450.8
65°	852.	932.	719.	846.1
75°	312.	280.	202.	290.1
85°	37.	30.	30.	34.9
90°	0.	0.	0.	

LUMEN SUMMARY

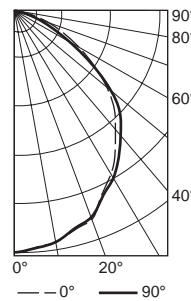
Zone	Lumens	% Fixture
0° - 30°	3004.	32.4
0° - 40°	4808.	51.9
0° - 60°	8087.	87.4
0° - 90°	9258.	100.0
TOTAL LUMINAIRE:		
0 - 180	9258.	100.0
IES Spacing Criteria: End = 1.2 Across = 1.2 Diagonal = 1.2		

PHOTOMETRY – 1x4

Catalog #: HETLG-S14-L52/835-FCHA118-DIM-UNV

TEST REPORT INFORMATION

- ▶ Test Report #: 18751.0
- ▶ Date: 03/10/15
- ▶ Lamp Type: LED
- ▶ **Rated Lumens: 5196**
- ▶ **Watts: 53.3**
- ▶ **Lumens Per Watt: 97.6**
- ▶ **CRI: 82.5**
- ▶ **CCT: 3447K**



CANDLEPOWER DISTRIBUTION

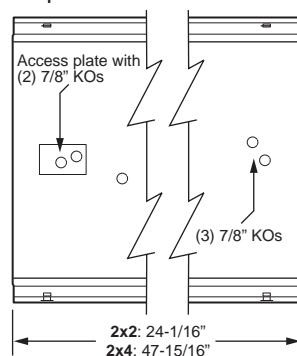
Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	2256.	2256.	2256.	
5°	2218.	2217.	2217.	211.7
15°	2103.	2110.	2124.	598.3
25°	1887.	1904.	1914.	880.7
35°	1605.	1638.	1659.	1026.9
45°	1310.	1370.	1387.	1053.5
55°	871.	927.	821.	792.9
65°	505.	491.	346.	453.1
75°	187.	146.	106.	156.5
85°	24.	20.	21.	22.8
90°	0.	0.	0.	

LUMEN SUMMARY

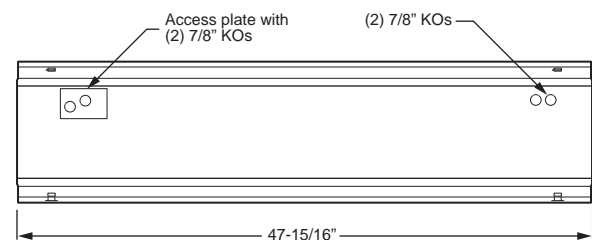
Zone	Lumens	% Fixture
0° - 30°	1691.	32.5
0° - 40°	2718.	52.3
0° - 60°	4564.	87.8
0° - 90°	5196.	100.0
TOTAL LUMINAIRE:		
0 - 180	5196.	100.0
IES Spacing Criteria: End = 1.2 Across = 1.2 Diagonal = 1.2		

FIXTURE DETAILS

BACK VIEW

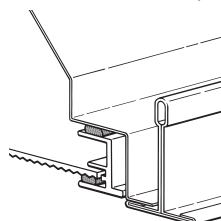


1x4



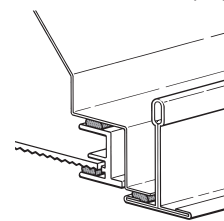
GASKETING DETAILS

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.