HETL PoE
High Efficiency Troffer – Lensed

Williams®

4-7/16″

23-13/16″

2x2 | 2x4 Shown

CATALOG #: _____

TYPE: _____

PROJECT: _____

BUY AMERICAN ACT COMPLIANT

FEATURES

▪ Deliver scalable, data-driven smart buildings with PoE-enabled fixtures and controls
▪ 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
▪ Made Right Here® in the USA

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" 15/16″ or 1″ grid standard. For NEMA Type "NFG" and "SG" 9/16″ grid installations, specify EQCLIPS option. Drywall flange type available.
▪ LISTINGS –
  ▪ cCSAus certified as luminaire suitable for dry or damp locations.
  ▪ Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
▪ WARRANTY – 5-year limited warranty, see hew.com/warranty.

SYSTEM REQUIREMENTS

▪ PoE-ready luminaires are connected to building power systems through network integration and require other components for complete PoE lighting system
▪ For additional PoE info, see hew.com/poe

ORDERING EXAMPLE: HETLG - S24 - P126/835 - F A - OPTIONS - POE PR

ORDERING INFO

SERIES	CEILING TYPE	FIXTURE STYLE	WIDTH	LENGTH	LUMENS [1]		CRI	CCT
HETL	G 15/16″ or 1″ grid	S Static, no air capability, full door frame, no reveal	1 1′ [2]	2 2′	**1x4**		8 80	30 3000K
	F Flange		2 2′	4 4′	P28	2,800lm	9 90 [3]	35 3500K
					P60	6,000lm		40 4000K
					2x2			50 5000K
					P28	2,800lm		
					P60	6,000lm		
					2x4			
					P62	6,200lm		
					P126	12,600lm		

DOOR FRAME	SHIELDING	OPTIONS	CONTROL [4]
F Flat aluminum	A Clear, non-prismatic acrylic, .080″ thick	EQCLIPS Earthquake clips [5]	POE PR Power over Ethernet-ready
	P Clear, prismatic polycarbonate, .080″ thick	DG Double gasket [6]	
		TG Triple gasket [7]	

NOTES

[1] Lumen output based on 80 CRI/3500K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
[2] Available in 4′ length only.
[3] Extended lead times may apply. Consult factory for availability.
[4] For additional PoE connection details, consult factory.
[5] 4 per fixture. Optional for 1″ grid installations. Required for 9/16″ grid mounting. Not available with F Ceiling Type.
[6] See page 3 for GASKETING DETAILS.
[7] Field-installed. See page 3 for GASKETING DETAILS.

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HETL

PoE
High Efficiency Troffer – Lensed

FIXTURE PERFORMANCE DATA

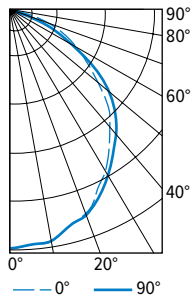|	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	P28	2840	24	118
1x4	P60	6011	50	120
2x2	P28	2840	24	118
2x2	P60	6011	50	120
2x4	P62	6245	49	127
2x4	P126 [1]	12620	100	126

MULTIPLIER TABLE

	COLOR TEMPERATURE	
	CCT	LUMENS
80 CRI	3000K	0.99
80 CRI	3500K	1.00
80 CRI	4000K	1.03
80 CRI	5000K	1.06
90 CRI	3000K	0.82
90 CRI	3500K	0.83
90 CRI	4000K	0.86
90 CRI	5000K	0.89

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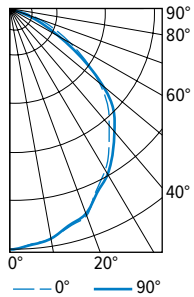▪ Use multiplier table to calculate additional options.

PHOTOMETRY

HETLG-S24-P126/835-FA Total Luminaire Output: 12620 lumens; 100 Watts | Efficacy: 126 lm/W | 80 CRI; 3500K CCT

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

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

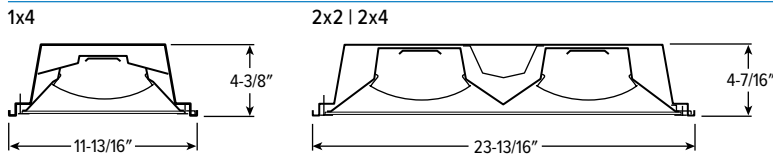**HETLG-S14-P60/835-FA** Total Luminaire Output: 6012 lumens; 50 Watts | Efficacy: 120 lm/W | 80 CRI; 3500K CCT

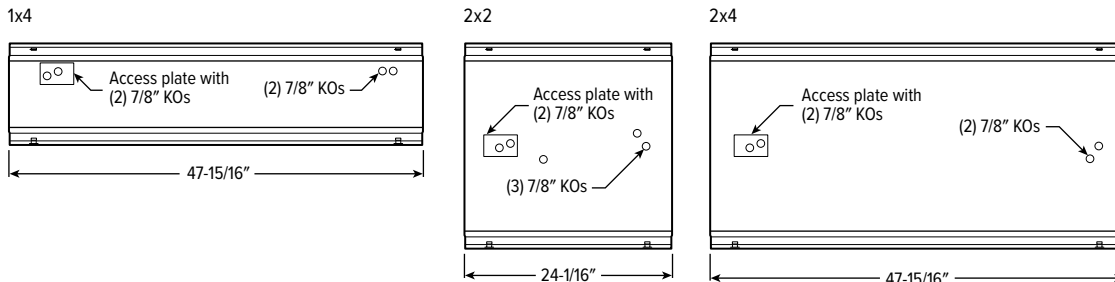| VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2613	2613	2613	
5	2569	2568	2568	245
15	2436	2444	2460	694
25	2186	2206	2217	1024
35	1859	1897	1922	1189
45	1518	1587	1607	1191
55	1009	1074	951	913
65	585	569	401	526
75	217	169	123	196
85	28	23	24	34
90	0	0	0	

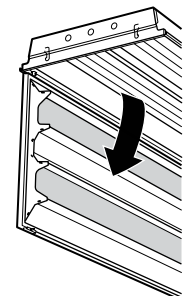| ZONE	LUMENS	% FIXTURE
0 - 30	1963	33
0 - 40	3151	52
0 - 60	5256	87
0 - 90	6012	100
0 - 180	6012	100

CROSS SECTIONS

1x4

4-3/8″
11-13/16″

2x2 | 2x4

4-7/16″
23-13/16″

FIXTURE DETAILS

BACK VIEWS

1x4

Access plate with (2) 7/8″ KOs
(2) 7/8″ KOs
47-15/16″

2x2

Access plate with (2) 7/8″ KOs
(3) 7/8″ KOs
24-1/16″

2x4

Access plate with (2) 7/8″ KOs
(2) 7/8″ KOs
47-15/16″

DOOR ASSEMBLY

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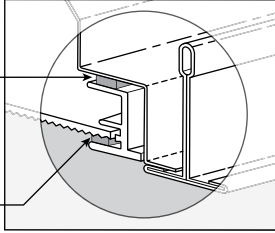## High Efficiency Troffer – Lensed

GASKETING DETAILS

DOUBLE GASKETING (DG OPTION)

First gasketing factory-installed between door frame and luminaire housing prevents light leak and reduces dust ingress.
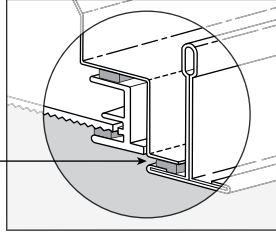
Second gasketing factory-installed between door frame and lens reduces dust and bug contaminants.

TRIPLE GASKETING (TG OPTION)

T-bar

Third gasketing field installed between bottom perimeter of fixture and T-bar ceiling seals plenum dust from the room.

Drywall

Between bottom perimeter of fixture and hardpan ceiling.