

CATALOG #: _____

TYPE: _____

PROJECT: _____



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
- Maximize energy savings with efficacies as high as 127 lm/W
- Frosted acrylic diffuser combined with highly reflective matte white paint provides high optical efficiencies and visual comfort
- Wireless in-fixture control solutions available
- 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. 25°C maximum ambient operating temperature.
- 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.
 - City of Chicago Environmental Air approved when specified with CP option.
 - 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.

ORDERING EXAMPLE: HETLG - S24 - L93/835 - F A - OPTIONS - CONTROL/DIM - UNV

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
			2 2'	4 4'	L30 3,000lm	9 90 ^[3]	35 3500K
	F Flange					L48 4,800lm	40 4000K
						L28 2,800lm	50 5000K
						L46 4,600lm	
						L57 5,700lm	
						L93 9,300lm	

DOOR FRAME	SHIELDING	OPTIONS ^[4]
F Flat aluminum	A Clear, non-prismatic acrylic, .080" thick P Clear, prismatic polycarbonate, .080" thick	EM/10W 10-watt emergency battery EQCLIPS Earthquake clips ^[5] DG Double gasket ^[6] TG Triple gasket ^[7] (L__) Additional lower lumen packages available. Example: 8,500 nominal lumens = HETLG-S24-L93/835-FA-(L85) ^[8] CP Chicago plenum (CCEA)

CONTROL ^[9]	DRIVER	VOLTAGE
See page 5 for ADDITIONAL CONTROL OPTIONS.	See page 5 for ADDITIONAL DRIVER OPTIONS.	120 120V 277 277V UNV 120-277V
– None	DIM Driver with external dimming wires	347 347V ^[16]
AVI-LVFA Avi-on wireless fixture control ^[10]	DRV Driver without external dimming wires	
AVI-LVFA-CS2-PIR Avi-on wireless fixture control with PIR motion and daylight sensor ^[11]	DA Driver with 12V auxiliary power, without external dimming wires ^[14]	
AWN Lutron Athena wireless node integral fixture control, RF only ^[12]	DSR Sensor-ready driver without external dimming wires (D4i DALI-2) ^[15]	
AWNS Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing ^[13]		

NOTES

- Lumen output based on A Shielding, 80 CRI/3500K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options
- Available in 4' length only.
- Extended lead times may apply. Consult factory for availability.
- See Technical Info for Power Entry details.
- 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting. Not available with F Ceiling Type.
- See page 3 for GASKETING DETAILS.
- Field-installed. See page 3 for GASKETING DETAILS.
- Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.

- See page 4 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS. See page 3 for SENSOR & NODE PLACEMENT DETAILS.
- DA Driver only.
- DA Driver only.
- DA and DSR Drivers only.
- DA and DSR Drivers only.
- Avi-on and Lutron Athena Controls only.
- Lutron Athena Controls only.
- Not available with EM batteries, DA, or DSR drivers.



FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
1x4	L30	3081	27.6	112
	L48	4812	41.1	117
2x2	L28	2863	25.5	112
	L46	4681	39.9	117
2x4	L57	5765	47.2	122
	L93	9412	74.4	127

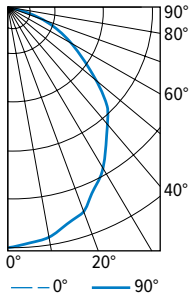
MULTIPLIER TABLE

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

- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI/3500K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier table to calculate additional options.

PHOTOMETRY

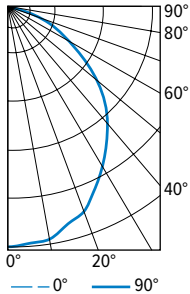
HETLG-S14-L48/835 Total Luminaire Output: 4812 lumens; 41.1 Watts | Efficacy: 117.1 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	2092	2092	2092	
	5	2057	2056	2056	196
	15	1950	1957	1970	556
	25	1750	1766	1775	820
	35	1488	1519	1538	952
	45	1215	1270	1286	954
	55	808	860	761	731
	65	468	455	321	421
	75	173	135	98	157
	85	22	19	19	27
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1571	33
	0 - 40	2523	52
	0 - 60	4207	87
	0 - 90	4812	100
	0 - 180	4812	100

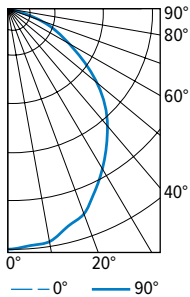
HETLG-S22-L46/835 Total Luminaire Output: 4681 lumens; 39.9 Watts | Efficacy: 117.3 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	2015	2015	2015	
	5	1992	1991	1988	190
	15	1882	1887	1891	537
	25	1690	1708	1724	792
	35	1415	1451	1480	915
	45	1130	1196	1238	911
	55	760	840	821	724
	65	430	470	363	429
	75	157	141	102	159
	85	19	15	15	25
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1518	32
	0 - 40	2433	52
	0 - 60	4068	87
	0 - 90	4681	100
	0 - 180	4681	100

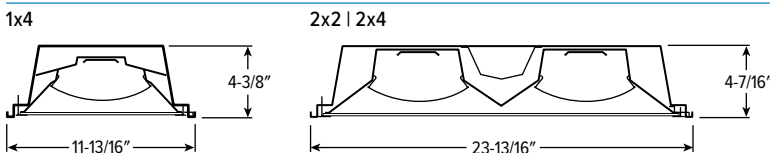
HETLG-S24-L93/835 Total Luminaire Output: 9412 lumens; 74.4 Watts | Efficacy: 126.5 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	4051	4051	4051	
	5	4005	4003	3998	382
	15	3784	3793	3803	1079
	25	3398	3433	3466	1592
	35	2844	2918	2975	1839
	45	2272	2405	2488	1831
	55	1528	1689	1650	1456
	65	864	945	729	862
	75	316	284	205	320
	85	38	30	30	51
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	3053	32
	0 - 40	4892	52
	0 - 60	8179	87
	0 - 90	9412	100
	0 - 180	9412	100

CROSS SECTIONS

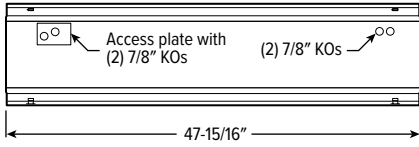


HETL LED High Efficiency Troffer – Lensed

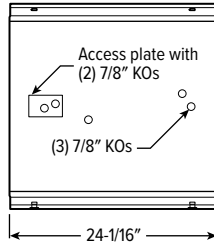
FIXTURE DETAILS

BACK VIEWS

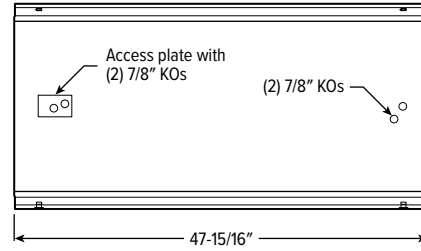
1x4



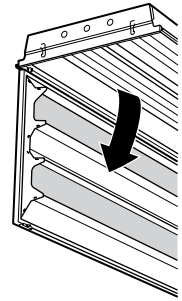
2x2



2x4



DOOR ASSEMBLY

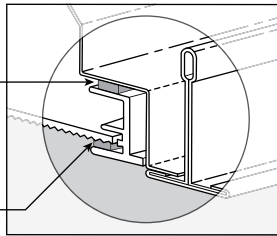


GASKETING DETAILS

DOUBLE GASKETING (DG OPTION)

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

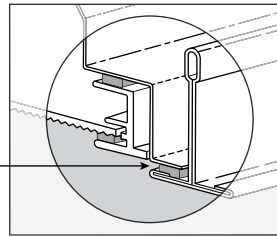
Second gasketing factory-installed between door frame and lens reduces dust and bug contaminants.



TRIPLE GASKETING (TG OPTION)

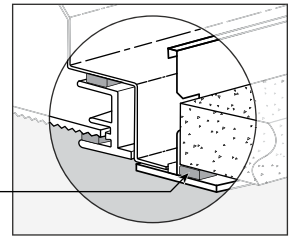
T-bar

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

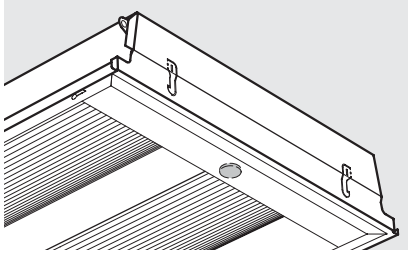


Drywall

Between bottom perimeter of fixture and hardpan ceiling.



SENSOR & NODE PLACEMENT DETAILS



SEE NEXT PAGE FOR CONTROL DETAILS.



HETL LED High Efficiency Troffer – Lensed

AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

FEATURES

Simple

- Gateway-free distributed control
- Factory pre-commissioning
- Contractor friendly installation
- Occupancy/vacancy/daylight sensing

Scalable

- Virtually unlimited network size
- Spans small offices to large warehouses
- Flexible control strategies

Secure

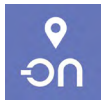
- Optional cloud connectivity
- UL IoT platinum security rating
- DLC 5.0 compliant

COMMISSIONING & INSTALLATION TOOLS

Avi-on mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers. Live commissioning training and on-site or remote support by Avi-on must be ordered separately through Avi-on.



Commissioning Mobile App

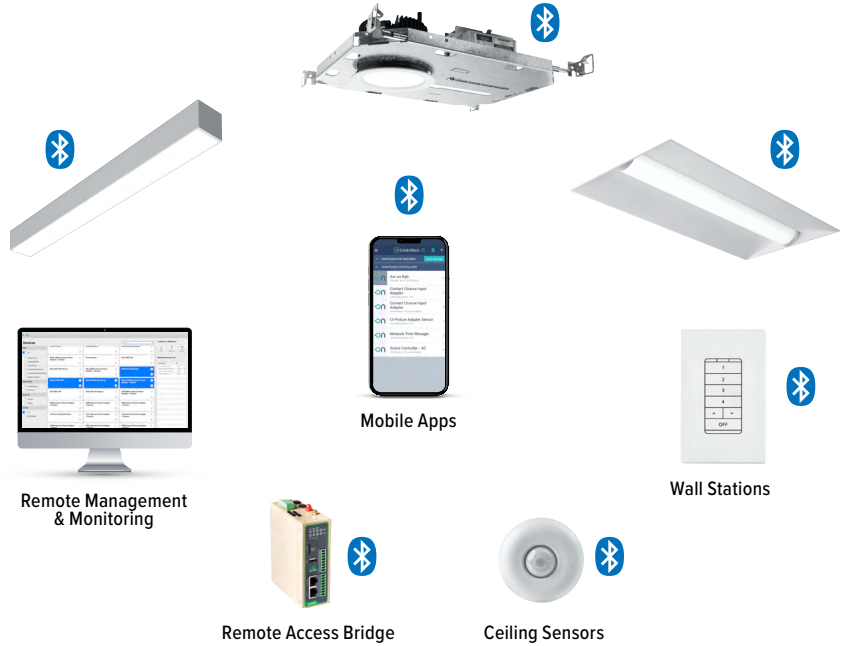


Zone Scanner Web App



Commissioning Pro App

SYSTEM COMPONENTS



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ACCESSORIES

WALL STATIONS

AVI-2401AC	Scene controller - numbered 1-4, 120-277VAC
AVI-2402BAT	Scene controller - numbered 1-4, battery powered
AVI-2401AC-2	Dimmer with presets - percentages, 120-277VAC
AVI-2402BAT-2	Dimmer with presets - percentages, battery powered
AVI-2401AC-3	On/off/dimming, 120-277VAC
AVI-2402BAT-3	On/off/dimming, battery powered

NETWORK

AVI-RAB-LTE	Remote access bridge
AVI-KIT-NTM	Network time manager with battery backup

CEILING MOUNT SENSORS

AVI-KIT-SEN-DUCM	PIR motion and ultrasonic sensor kit
AVI-KIT-SEN-ICM	PIR motion and photocell sensor kit

For load controllers and additional accessory info, see hew.com/avi-on

AVI-LVFA-CS2-PIR Avi-on wireless fixture control with PIR motion and daylight sensor. DA Driver only.

SPECIFICATIONS

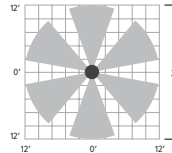
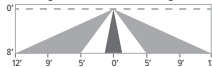
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 10'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-30° to 50°C
RELATIVE HUMIDITY	10 to 80% non-condensing
IP RATING	IP20
MANUFACTURER	Avi-On



SENSOR COVERAGE PATTERNS

Side View

8' height: Ø24' coverage



SENSOR DETAIL



Dimensions: 13/16" x 2-1/4"



HETL LED High Efficiency Troffer – Lensed

ADDITIONAL CONTROL OPTIONS

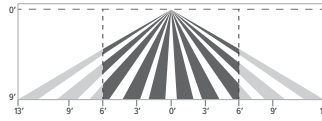
AWNS Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing. DA and DSR Drivers only.

SPECIFICATIONS	
TYPE	Radio Frequency
MOUNTING HEIGHT	8' – 12'
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	Clear Connect gateway – Type X with app (iOS or Android)
MANUFACTURER	Lutron



SENSOR COVERAGE PATTERNS

9' height: ø12' coverage



Motion Sensor Coverage

CEILING HEIGHT	COVERAGE AREA (SQ FT)
8'	114
9'	144
10'	178
12'	256

SENSOR DETAIL



Dimensions: ø1-1/8"

ATHENA CONTROL OPTIONS

CATALOG NUMBER	DESCRIPTION
AWNDR	Lutron Athena wireless node integral fixture control, RF only, for use with D4i DALI-2 or driver with 12V auxiliary power
AWNS	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with D4i DALI-2 or driver with 12V auxiliary power
AWNDR-BL	Lutron Athena wireless node integral fixture control, RF only, for use with D4i DALI-2 or driver with 12V auxiliary power, black finish
AWNS-BL	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with D4i DALI-2 or driver with 12V auxiliary power, black finish

ADDITIONAL DRIVER OPTIONS

Note: Lumen restrictions apply, consult product builder at hew.com/product-builder.

CATALOG NUMBER	DESCRIPTION
DRV	Driver prewired for non-dimming applications
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC	Line voltage dimming driver (TRIAC compatible, 120V only)
DA	Driver with 12V auxiliary power
DSR	Sensor-ready driver (D4i DALI-2)
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver

