

CATALOG #: _____

TYPE: _____

PROJECT: _____



FEATURES

- Attractive and efficient architectural fixture delivers comfortable, uniform perimeter illumination
- Frosted acrylic diffuser combined with highly reflective matte white paint provides visual comfort
- Multiple dimming protocols available
- Fully room-side accessible without the use of tools
- Quick-wire access plate in back of fixture housing for easy attachment of incoming power supply
- Wireless in-fixture control solutions available
- Made Right Here[®] in the USA

SPECIFICATIONS

- HOUSING** – 22-gauge die-formed C.R.S.
- DOOR FRAME** – Steel door frame with integral torsion springs to secure the frame within the fixture.
- SHIELDING** – Frosted, ribbed acrylic.
- FINISH** – Textured matte white polyester TGIC 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” 15/16” or 1” grid standard. For NEMA Type “NFG” and “SG” 9/16” grid installations, specify EQCLIPS option. Drywall flange kits available, shipped separately, see options. Fixture must be installed prior to Drywall Kit.
- LISTINGS** –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - UL 924 available, see Options.
 - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at hew.com/buy-american
- WARRANTY** – 5-year limited warranty, see hew.com/warranty

ORDERING EXAMPLE: HETWG - 4 - L30/840 - A - OPTIONS - CONTROL/DIM - UNV

SERIES	CEILING TYPE	LENGTH	LUMENS ^[1]	CRI	CCT	SHIELDING ^[2]
HETW	G 9/16”, 15/16”, or 1” grid ^[3]	2 2’	2’	8 80	27 2700K	A Curved frosted ribbed acrylic diffuser (standard)
		3 3’	L16 1,600lm	9 90	30 3000K	A/CHA118 Curved frosted ribbed acrylic diffuser with clear, high temperature non-prismatic lens
		4 4’	3’	L24 2,400lm	35 3500K	
		4’	L30 3,000lm	40 4000K	50 5000K	

OPTIONS

- EM/10W** 10-watt emergency battery
- EQCLIPS** Earthquake clips^[4]
- (L__)** Additional lower lumen packages available^[5]
Example: 2,500 nominal lumens = HETWG-4-L30/840-A-(L25).
- DFK-0648W** Drywall kit, 6” x 48”, white^[6]
- GEN** Approved for UL 924 emergency generator circuit through-feed wiring^[7]

CONTROL

- None
- AVI-LVFA** Avi-on wireless fixture control^[8]
- AWNRR** Lutron Athena wireless node integral fixture control, RF only^[9]

DRIVER

See page 3 for **ADDITIONAL CONTROL/DRIVER OPTIONS**.

- DIM** Driver with external 0-10V dimming wires
- DRV** Driver without external dimming wires
- DA** Driver with 12V auxiliary power, without external dimming wires^[10]
- DSR** Sensor-ready driver without external dimming wires (D4i DALI-2)^[11]

VOLTAGE

- 120** 120V
- 277** 277V
- UNV** 120-277V
- 347** 347V^[12]

NOTES

- Lumen output based on A shielding, 80 CRI/3500K CCT. Actual performance may vary +/-5%. “FIXTURE PERFORMANCE DATA” on page 2
- Other shielding options may reduce lumen output.
- Must specify EQCLIPS option when 9/16” grid mounting.
- 2 per fixture. Optional for 1” grid installations. Required for 9/16” grid mounting.
- Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- Fixture must be installed prior to Drywall Kit (DFK). See page 2 for DRYWALL KIT (DFK) OPTIONS.
- Maximum mounting height is 30.4’ (9.3 m). Minimum lumen output is 800 lm/ft. See hew.com/UL924 for details.
- DA Driver only. See page 3 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS.
- 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)
2"	L16	1614	16.7	97
3"	L24	2425	21.4	113
4"	L30	3094	28.8	107

- 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 tables to calculate additional options.

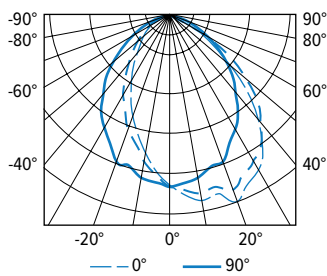
MULTIPLIER TABLES

	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
80 CRI	2700K	0.97
	3000K	0.99
	3500K	1.00
	4000K	1.03
	5000K	1.06
90 CRI	2700K	0.80
	3000K	0.82
	3500K	0.83
	4000K	0.86
	5000K	0.89

SHIELDING CONVERSION	
A	1.00
A/CHA118	0.94

PHOTOMETRY

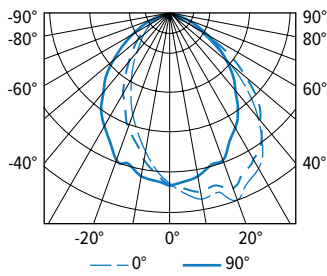
HETWG-4-L30/835-A | Total Luminaire Output: 3094 lumens; 28.8 Watts | Efficacy: 107.4 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
	0	1463	1463	1463	1463	1463	
	5	1535	1498	1428	1368	1330	136
	15	1578	1509	1329	1135	1045	380
	25	1579	1492	1216	905	780	556
	35	1390	1354	1026	677	558	624
	45	971	1080	780	462	369	570
	55	507	673	517	293	228	419
	65	237	350	315	169	137	257
	75	101	136	147	74	66	121
	85	22	31	36	18	15	31
	90	0	0	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1072	35
	0 - 40	1695	55
	0 - 60	2685	87
	0 - 90	3094	100
	0 - 180	3094	100

HETWG-4-L30/835-A-CHA118 | Total Luminaire Output: 2878 lumens; 28.8 Watts | Efficacy: 100 lm/W | 80 CRI; 3500K CCT

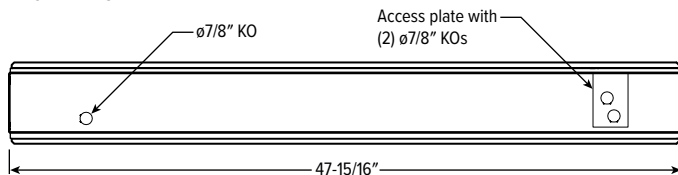


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
	0	1374	1374	1374	1374	1374	
	5	1442	1408	1347	1291	1261	128
	15	1479	1417	1253	1079	996	358
	25	1484	1401	1151	874	762	527
	35	1310	1271	973	661	552	594
	45	920	1011	741	458	376	544
	55	468	617	483	291	234	394
	65	198	297	279	157	131	227
	75	66	94	109	58	51	89
	85	11	14	15	10	10	16
	90	0	0	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1014	35
	0 - 40	1608	56
	0 - 60	2545	88
	0 - 90	2878	100
	0 - 180	2878	100

FIXTURE DETAILS

BACK VIEWS



DRYWALL KIT (DFK) OPTIONS

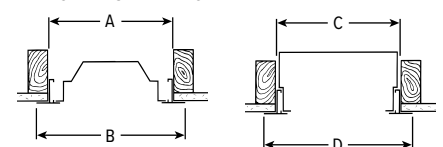
ORDERING INFO

EXAMPLE: DFK - 06 48 W			
SERIES	WIDTH	LENGTH	FINISH
DFK Drywall kit	06 6"	48 4'	W White AMW Anti-microbial white

INSTALLATION DIMENSIONS

NOMINAL SIZE	ROUGH-IN		FINISH TRIM SIZE	
	WIDTH (A)	LENGTH (C)	WIDTH (B)	LENGTH (D)
6" x 4'	6-3/8"	48-3/8"	7-5/16"	49-5/16"

TYPICAL INSTALLATION



AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

FEATURES

Simple

- Gateway-free distributed control
- 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

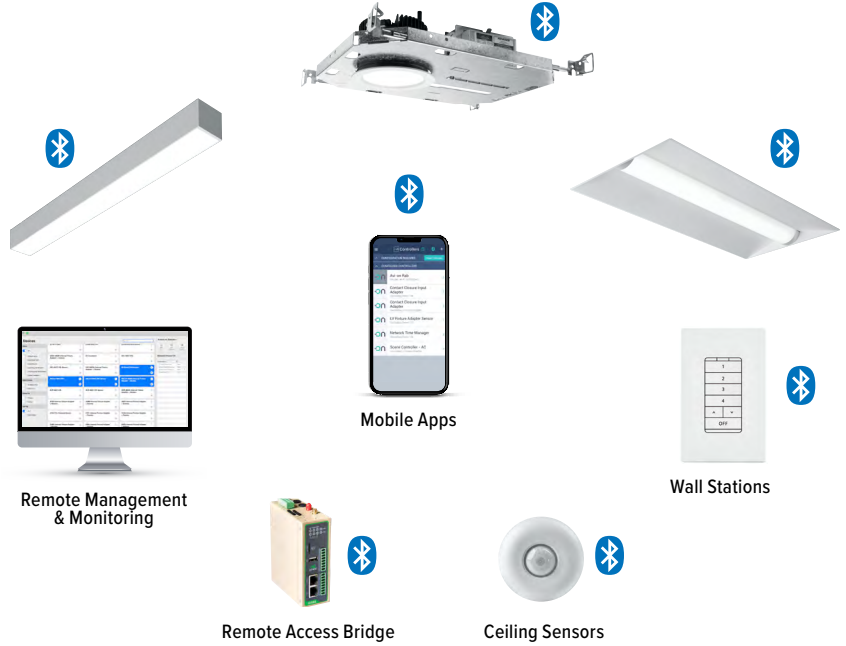


Zone Scanner Web App



Commissioning Pro App

SYSTEM COMPONENTS



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ACCESSORIES

WALL STATIONS	
AVI-B-2401AC-1	Scene controller - buttons numbered 1-4 and up/down/off, 120-277VAC
AVI-B-2402BAT-1	Scene controller - buttons numbered 1-4 and up/down/off, battery powered
AVI-B-2401AC-2	Dimmer with presets - buttons with percentages and up/down/off, 120-277VAC
AVI-B-2402BAT-2	Dimmer with presets - buttons with percentages and up/down/off, battery powered
AVI-B-2401AC-3	Two button control on/off or hold to dim up/down, 120-277VAC
AVI-B-2402BAT-3	Two button control on/off or hold to dim up/down, battery powered

NETWORK	
AVI-RAB-LTE	Remote access bridge
AVI-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

ADDITIONAL CONTROL/DRIVER OPTIONS

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

CATALOG NUMBER	DESCRIPTION
AVI-LVFA/DA	Avi-on wireless fixture control for use with driver with 12V auxiliary power, without external dimming wires
AWNDR/DA	Lutron Athena wireless node integral fixture control, RF only, for use with driver with 12V auxiliary power, without external dimming wires
AWNDR/DSR	Lutron Athena wireless node integral fixture control, RF only, for use with sensor-ready driver without external dimming wires (D4i DALI-2)
DRV	Driver without external dimming wires prewired for non-dimming applications
DIM	Driver with external dimming wires prewired for 0-10V low voltage applications
DIM1	1% driver with external dimming wires 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)
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming driver

