

CATALOG #: _____

Type: _____

PROJECT: _____



FEATURES

- Attractive, efficient, multi-purpose fixture delivers comfortable, uniform illumination
- Tailor ambient, exam, reading and night light output with eight configurations
- Accommodate equipment with 2x4 and split 2x2 fixtures
- Various LED combinations result in pleasing, energy-efficient ambient illumination and necessary light levels for exam purposes
- Anti-microbial finish suppresses the spread of dangerous micro-organisms, mold, and bacterial growth
- Fixture to grid gasketing standard
- Room-side access without the use of tools
- Optional low-voltage controller allows for bedside lighting control
- Double-gasketed sani-shield option protects fixture from contaminants while simplifying maintenance and cleaning
- Maximize energy savings with efficacies as high as 131 lm/W
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING – .040" formed aluminum.
- SHIELDING – Frosted, ribbed acrylic diffusers.
- FINISH – Highly-reflective non-glare matte white anti-microbial 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. L70 at 50,000 hours per IES TM-21. 50/60 Hz constant current driver.
- MOUNTING – NEMA Type "G" 15/16" or 1" grid standard. For NEMA Type "NFG" and "SG" 9/16" grid installations, specify EQCLIPS option. Flange installation available, shipped separately: see page 5 for DRYWALL KIT (DFK) OPTIONS.
- LISTINGS –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - City of Chicago Environmental Air approved when specified with CP option.
 - Available with BIOS® consult factory.
 - 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: AMD 4AERN G - L44/835 - A - OPTIONS - DRV - UNV

ORDERING INFO

SERIES	STYLE	CEILING TYPE ^[1]	LUMENS ^[2]	CRI	CCT	SHIELDING
AMD	See table below for style options.	G 15/16" or 1" grid	Specified for ambient compartment only. See table below for lumens.	8 80 9 90	27 2700K 30 3000K 35 3500K 40 4000K 50 5000K	A Frosted, ribbed acrylic diffusers

OPTIONS ^[3]

See page 4 for LOW-VOLTAGE CONTROLLER OPTIONS.

EM/10W	10-watt emergency battery ^[4]
EQCLIPS	Earthquake clips. ^[5]
GLR	Fuse, fast blow, one per driver ^[6]
SS	Sani-shield acrylic cover with double gasket. ^[7]
SS/PC	Sani-shield polycarbonate cover with double gasket. ^[8]
(8____)	Color temperature in Exam (E), Reading (R) or Night (N) light compartments different than Ambient. Example: AMD4AERNG-L44/835-A-(840E) ^[9]
AN	Amber night light
CP	Chicago Plenum (CCEA)

CONTROL

DIM	Dimming driver, 0-10V
DRV	Non-dimming driver

VOLTAGE

120	120V
277	277V
UNV	120-277V
347	347V ^[10]

CONFIGURATIONS ^[11]

STYLE	CONFIGURATION	AMBIENT NOM. LUMENS	EXAM LUMENS	READING LUMENS	NIGHT LUMENS	WIRING COMP.
2AE		L27 2,700 L44 4,400	4,000	—	—	—
2ARW		L27 2,700 L44 4,400	—	1,700	—	✓
2ARN		L27 2,700 L44 4,400	—	1,700	100	—
4AE		L27 2,700 L44 4,400 L76 7,600	8,000 11,600	—	—	—
4AERW		L27 2,700 L44 4,400	8,000	1,700	—	✓
4AERN		L27 2,700 L44 4,400	8,000	1,700	100	—
2AE+2ERW		L27 2,700 L44 4,400	8,000	1,700	—	✓
2AE+2ERN		L27 2,700 L44 4,400	8,000	1,700	100	—

NOTES

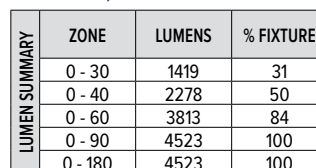
- See page 5 for DRYWALL KIT (DFK) OPTIONS.
- Lumen output based on 80 CRI/3500K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- See page 4 for GASKETING DETAILS.
- Ambient compartment only.
- 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting.
- Specify voltage.
- Increases fixture depth. Reduces lumen output by 10%. See page 3 for CROSS SECTIONS. See page 4 for GASKETING DETAILS.
- Increases fixture depth. Reduces lumen output by 10%. See page 3 for CROSS SECTIONS. See page 4 for GASKETING DETAILS.
- Must specify color temperature (30, 35, 40 or 50) and compartment.
- Not available with EM battery or low-voltage controller Options.
- See page 4 for STYLE CONFIGURATION DETAILS. For additional lumen packages or configurations, consult factory.



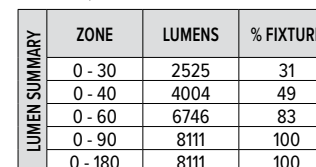
MULTIPLIER TABLE

- 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.

AMD4AERNG-L44/835-A-DRV-UNV Ambient Total Luminaire Output: 4523 lumens: 37 Watts | Efficacy: 122.2 lm/W | 80 CRI: 3500 CCT

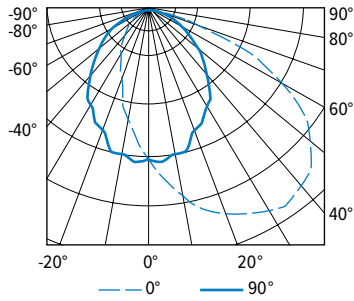


AMD4AERNG-L44/835-A-DRV-UNV Exam Total Luminaire Output: 8111 lumens: 63.3 Watts | Efficacy: 128.1 lm/W | 80 CRI: 3500K CCT



PHOTOMETRY CONTINUED ON NEXT PAGE.

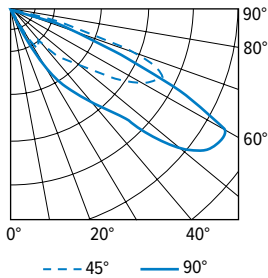
AMD4AERNG-L44/835-A-DRV-UNV Reading Total Luminaire Output: 1732 lumens; 16.1 Watts | Efficacy: 107.6 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
	0	603	603	603	603	603	
	5	685	668	615	559	531	58
	15	830	752	588	450	401	166
	25	903	764	504	326	271	250
	35	961	763	436	244	196	311
	45	913	672	322	164	129	323
	55	770	540	225	108	87	289
	65	500	373	145	66	51	210
	75	175	166	70	30	27	101
	85	11	23	20	17	13	23
	90	0	0	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	474	27
	0 - 40	785	45
	0 - 60	1398	81
	0 - 90	1732	100
	0 - 180	1732	100

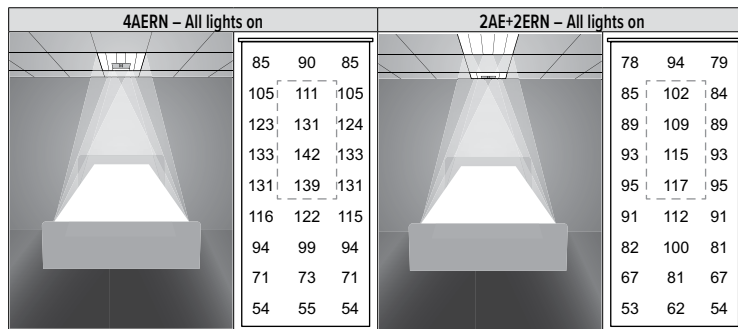
AMD4AERNG-L44/835-A-DRV-UNV Night Total Luminaire Output: 108 lumens; 12 Watts | Efficacy: 9 lm/W | 80 CRI; 3500K CCT



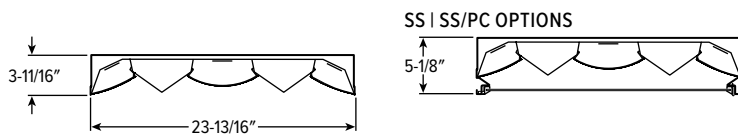
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	0	0	0	
	5	0	0	0	0
	15	1	1	1	0
	25	0	1	10	2
	35	1	11	30	8
	45	0	22	54	19
	55	0	41	84	36
	65	0	60	48	34
	75	0	11	1	9
	85	0	0	0	0
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2	2
	0 - 40	10	9
	0 - 60	66	61
	0 - 90	108	100
	0 - 180	108	100

FOOTCANDLE ESTIMATOR & DISTRIBUTION



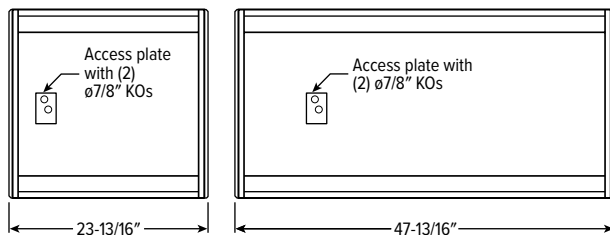
CROSS SECTIONS



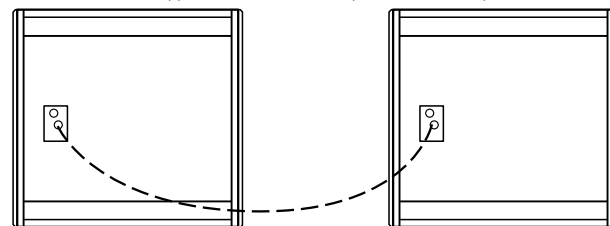
FIXTURE DETAILS

See hew.com/power-entry for power entry details.

BACKVIEW



2 + 2 combinations supplied with 9' flexible whip between fixture pairs.



STYLE CONFIGURATION DETAILS

AMBIENT

A Ambient

EXAM

E Exam

READING

R Reading

NIGHT LIGHT

N Night light

WIRING COMPARTMENT

W Wiring compartment houses electrical equipment and connections in room-side accessible cabinet with tool-less access.

MULTIPLE FIXTURE CONFIGURATIONS

+ Use "+" to indicate multiple fixtures wired together, installed up to 2' apart.³

³ Some fixture configurations do not allow all drivers to be located within the nurse light or wiring compartment. Drivers and electrical connections will be located in primary fixture or wiring compartment (when "W" or "+" is specified) as space allows.

LOW-VOLTAGE CONTROLLER OPTIONS

EXAMPLE: LVC3A/R/N				
CONTROLLER	LOAD 1		LOAD 2	LOAD 3
LVC1 1-circuit	A Ambient			
	N Night			
	R Reading			
	E Exam			
LVC2 2-circuit	A/ Ambient	A Ambient		
	R/ Reading	N Night		
		R Reading		
		E Exam		
LVC3 3-circuit or dimming control	A/ Ambient	A/ Ambient	N Night	E Exam
	R/ Reading	N/ Night		
	DIMA/ Ambient, 0-10 dimming ^[1]	R/ Reading		
	DIMR/ Reading, 0-10 dimming ^[1]	E/ Exam		
	DIMA/DIMR/ Ambient and reading, 0-10 dimming ^[1]			
	SEQAR/ Ambient and reading, sequential switching ^[2]			

120V-277V only. LVC wall plate accessories available, see hew.com/LVCWP for details.

- ¹ Smooth dimming of the load utilizing a single, dry contact, momentary, normally open switch which will dim from 25% up to 100% while holding down the switch.
- ² Alternating off and on of (2) loads with multiple cycles of one switch.

GASKETING DETAILS

SS | SS/PC OPTIONS

Gasketing factory-installed between door frame and luminaire housing and between door frame and lens.

STANDARD GASKETING

T-bar

Gasketing provided by factory and 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.



DRYWALL KIT (DFK) OPTIONS

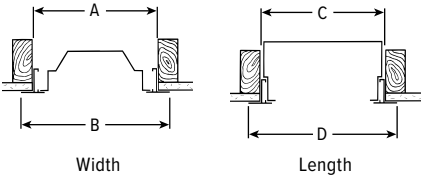
ORDERING INFO

EXAMPLE: DFK - 24 48 W			
SERIES	WIDTH	LENGTH	FINISH
DFK Drywall kit	24 2'	24 2'	W White
	24 2'	48 4'	AMW Anti-microbial white

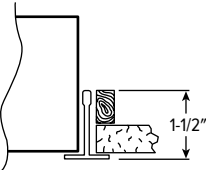
INSTALLATION DIMENSIONS

NOMINAL SIZE	ROUGH-IN		FINISH TRIM SIZE	
	WIDTH (A)	LENGTH (C)	WIDTH (B)	LENGTH (D)
2' x 2'	24-3/8"	24-3/8"	25-5/16"	25-5/16"
2' x 4'	24-3/8"	48-3/8"	25-5/16"	49-5/16"

TYPICAL INSTALLATION



DRYWALL KIT DETAILS



When using the DFK with Williams AMD fixture, the structure surrounding the DFK at each end of fixture is to extend no more than 1-1/2" from the bottom of the "T" as shown.