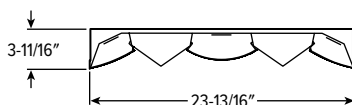


CATALOG #: \_\_\_\_\_

Type: \_\_\_\_\_

PROJECT: \_\_\_\_\_



## FEATURES

- Deliver scalable, data-driven smart buildings with PoE-enabled fixtures and controls
- Ambient and reading compartments support human-centric design with adaptive, individualized lighting using tunable white light
- 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
- Anti-microbial white finish standard
- Fixture to grid gasketing standard
- Room-side access without the use of tools
- Double-gasketed sani-shield option protects fixture from contaminants while simplifying maintenance and cleaning
- 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 >50,000 hours per IES TM-21. Low-voltage DC fixture, to be fed by Class 2 power supply. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.
- 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 4 for DRYWALL KIT (DFK) OPTIONS.
- 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](http://hew.com/baa).
- WARRANTY – 5-year limited warranty, see [hew.com/warranty](http://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](http://hew.com/poe)

## ORDERING EXAMPLE: AMD 4AERN G - P43/840 - A - OPTIONS - POE PR

## ORDERING INFO

SERIES	STYLE	CEILING TYPE <sup>[1]</sup>	LUMENS <sup>[2]</sup>	CRI	CCT
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 <sup>[3]</sup>	27 2700K 30 3000K 35 3500K 40 4000K 50 5000K TW Tunable white (3000K–5000K) <sup>[4]</sup> TW2 Tunable white (2700K-6500K) <sup>[5]</sup>

## SHIELDING

A Frosted, ribbed acrylic diffusers

## OPTIONS <sup>[6]</sup>

EQCLIPS Earthquake clips. <sup>[8]</sup>  
 BC Fixture prewired for bedside controls. <sup>[9]</sup>  
 SS Sani-shield acrylic cover with double gasket. <sup>[10]</sup>  
 SS/PC Sani-shield polycarbonate cover with double gasket. <sup>[11]</sup>  
 (8\_\_\_) Color temperature in Exam (E) or Night (N) light compartments different than Ambient and Reading. Example: AMD4AERNG-P43/840-A-(835E) <sup>[12]</sup>  
 AN Amber night light

## CONTROL <sup>[7]</sup>

POE PR Power over Ethernet-ready

## CONFIGURATIONS <sup>[13]</sup>

STYLE	CONFIGURATION	AMBIENT NOM. LUMENS	EXAM LUMENS	READING LUMENS	NIGHT LUMENS	WIRING COMP.
2AE		P31 3,100 P43 4,300	3,500	—	—	—
2ARW		P31 3,100 P43 4,300	—	1,700	—	✓
2ARN		P31 3,100 P43 4,300	—	1,700	800	—
4AE		P31 3,100 P43 4,300	7,300	—	—	—
4AERW		P31 3,100 P43 4,300	7,300	1,700	—	✓
4AERN		P31 3,100 P43 4,300	7,300	1,700	800	—
2AE+2ERW		P31 3,100 P43 4,300	7,300	1,700	—	✓
2AE+2ERN		P31 3,100 P43 4,300	7,300	1,700	800	—

## NOTES

- See page 4 for DRYWALL KIT (DFK) OPTIONS. See page 3 for FIXTURE DETAILS.
- Lumen output based on 80 CRI/4000K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- Extended lead times may apply. Consult factory for availability.
- Available with Ambient and Reading only. Exam and Night compartments 840 CCT standard, additional color temperatures available, see options.
- Available with Ambient and Reading only. Exam and Night compartments 840 CCT standard, additional color temperatures available, see options.
- See page 4 for GASKETING DETAILS.
- For additional PoE connection details, consult factory.
- 4 per fixture. Optional for 1" grid installations. Required for 9/16" grid mounting.
- Button functionality determined with gateway software.
- 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 (27, 30, 35, 50 or 65) and compartment.
- See page 4 for STYLE CONFIGURATION DETAILS.



## FIXTURE PERFORMANCE DATA

STATIC WHITE

	STYLE	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)	SYSTEM WATTAGE TOTAL	SYSTEM EFFICACY TOTAL
2AE	A	P31	3127	25.3	124	54.9	121
	A	P43	4336	33.6	129	63.2	125
	E	—	3534	29.6	119	—	—
2AR	A	P31	3124	23.0	136	37.3	129
	A	P43	4327	32.5	133	46.9	128
	R	—	1706	14.4	118	—	—
2ARN	A	P31	3124	23.0	136	37.3	130
	A	P43	4327	32.5	133	46.9	129
	R	—	1706	14.4	118	—	—
	N	—	101	9.9	10	—	—
4AE	A	P31	3141	25.1	125	71.5	128
	A	P43	4327	32.5	133	79.0	131
	E	—	6031	46.4	130	—	—
4AER	A	P31	3127	25.3	124	68.0	135
	A	P43	4336	33.6	129	76.3	136
	E	—	6039	42.8	141	—	—
	R	—	1706	14.4	118	—	—
	A	P31	3127	25.3	124	68.0	135
4AERN	A	P43	4336	33.6	129	76.3	136
	E	—	6039	42.8	141	—	—
	R	—	1706	14.4	118	—	—
	N	—	101	9.9	10	—	—
2AE+2ER	A	P31	3127	25.3	124	68.0	135
	A	P43	4336	33.6	129	76.3	136
	E	—	6039	42.8	141	—	—
	R	—	1706	14.4	118	—	—
2AE+2ERN	A	P31	3127	25.3	124	68.0	135
	A	P43	4336	33.6	129	76.3	136
	E	—	6039	42.8	141	—	—
	R	—	1706	14.4	118	—	—
	N	—	101	9.9	10	—	—

TUNABLE WHITE

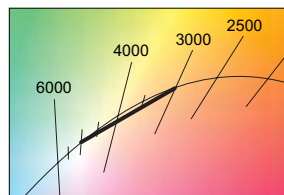
	STYLE	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)	SYSTEM WATTAGE TOTAL	SYSTEM EFFICACY TOTAL
2AE	A	P31	3123	27.6	113	59.6	112
	A	P43	4336	37.8	115	69.8	113
	E	—	3524	32.0	110	—	—
2AR	A	P31	3142	27.8	113	43.5	111
	A	P43	4342	38.1	114	53.9	112
	R	—	1705	15.7	109	—	—
2ARN	A	P31	3142	27.8	113	66.1	76
	A	P43	4342	38.1	114	76.4	82
	R	—	1705	15.7	109	—	—
	N	—	204	22.5	9	—	—
4AE	A	P31	3142	27.8	113	78.1	117
	A	P43	4342	38.1	114	88.5	117
	E	—	6034	50.3	120	—	—
4AER	A	P31	3123	27.6	113	93.6	116
	A	P43	4336	37.8	115	103.9	116
	E	—	6034	50.3	120	—	—
	R	—	1705	15.7	109	—	—
	A	P31	3123	27.6	113	102.7	108
4AERN	A	P43	4336	37.8	115	112.9	109
	E	—	6034	50.3	120	—	—
	R	—	1705	15.7	109	—	—
	N	—	204	9.0	23	—	—
2AE+2ER	A	P31	3123	27.6	113	93.6	116
	A	P43	4336	37.8	115	103.9	116
	E	—	6034	50.3	120	—	—
	R	—	1705	15.7	109	—	—
2AE+2ERN	A	P31	3123	27.6	113	102.7	108
	A	P43	4336	37.8	115	112.9	109
	E	—	6034	50.3	120	—	—
	R	—	1705	15.7	109	—	—
	N	—	204	9.0	23	—	—

## MULTIPLIER TABLE

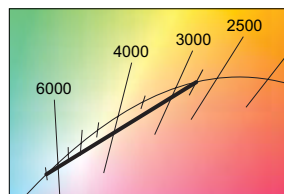
		COLOR TEMPERATURE			
		CCT	STANDARD	TW	TW2
80 CRI	2700K	0.94	—	0.93	
	3000K	0.96	0.95	0.95	
	3500K	0.97	0.98	0.98	
	4000K	1.00	1.00	1.00	
	5000K	1.03	0.96	1.02	
	6500K	—	—	1.01	
90 CRI	2700K	0.77	—	0.93	
	3000K	0.79	0.91	0.95	
	3500K	0.80	0.96	0.98	
	4000K	0.83	1.00	1.00	
	5000K	0.86	1.03	1.03	
	6500K	—	—	1.02	

- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI/4000K CCT and 25°C ambient temperature. Actual performance may vary +/-5%.
- Use multiplier table to calculate additional options.

## TW

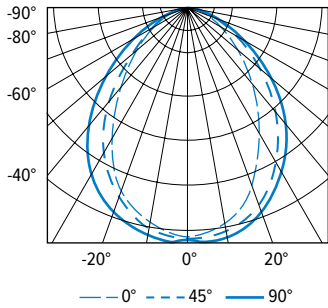


## TW2



## PHOTOMETRY

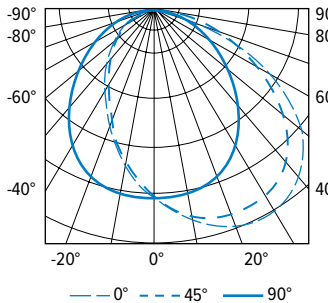
**AMD4AEG-P43/840 (Ambient Only)** Total Luminaire Output: 4327 lumens; 32.5 Watts | Efficacy: 133 lm/W | 80 CRI; 4000 CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
	0	1794	1794	1794	1794	1794	
	5	1785	1781	1788	1794	1796	170
	15	1635	1662	1705	1725	1728	481
	25	1429	1482	1554	1572	1551	707
	35	1185	1269	1362	1384	1337	822
	45	913	1028	1127	1116	1033	810
	55	597	718	788	793	691	658
	65	351	452	416	510	416	434
	75	160	184	149	201	183	198
	85	44	40	31	37	38	47
	90	0	0	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1357	31
	0 - 40	2179	50
	0 - 60	3648	84
	0 - 90	4327	100
	0 - 180	4327	100

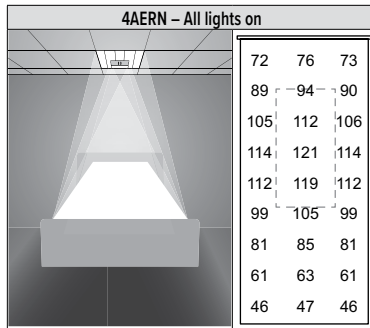
**AMD4AEG-P43/840 (Exam Only)** Total Luminaire Output: 6031 lumens; 46.4 Watts | Efficacy: 130 lm/W | 80 CRI; 4000 CCT



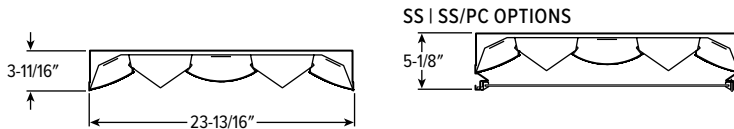
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
	0	2588	2588	2588	2588	2588	
	5	2542	2538	2531	2534	2534	242
	15	2406	2380	2351	2373	2399	676
	25	2118	2064	2015	2053	2100	960
	35	1811	1769	1722	1759	1788	1100
	45	1449	1478	1483	1456	1421	1112
	55	986	1078	1059	1066	962	927
	65	623	695	586	678	603	631
	75	305	286	210	278	291	302
	85	87	75	66	71	79	83
	90	0	0	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1877	31
	0 - 40	2977	49
	0 - 60	5016	83
	0 - 90	6031	100
	0 - 180	6031	100

## FOOTCANDLE ESTIMATOR & DISTRIBUTION

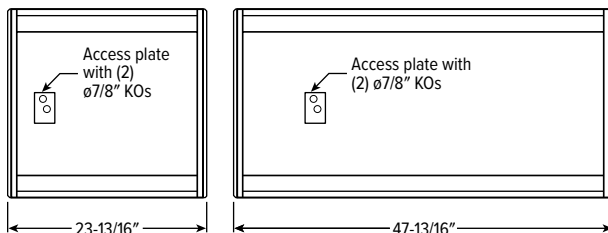


## CROSS SECTIONS

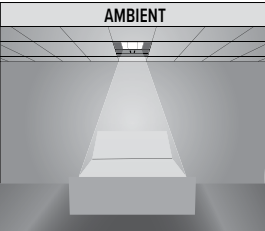

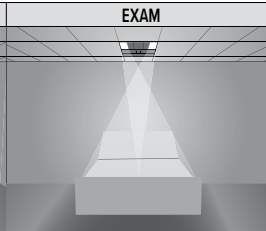
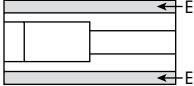
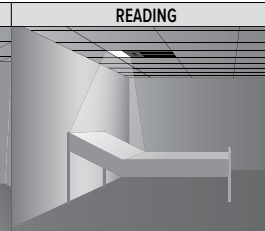

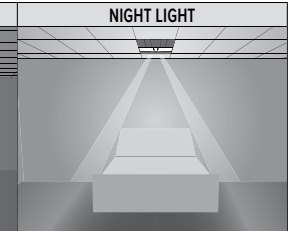
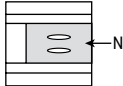




## FIXTURE DETAILS

### BACKVIEW



STYLE CONFIGURATION DETAILS

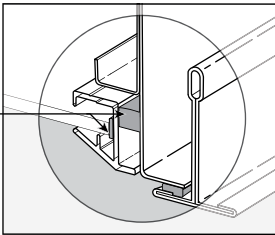
 <b>A Ambient</b> 	 <b>E Exam</b> 	 <b>R Reading</b> 	 <b>N Night light</b> 
<b>WIRING COMPARTMENT</b> <b>W</b> Wiring compartment houses electrical equipment and connections in room-side accessible cabinet with tool-less access. 		<b>MULTIPLE FIXTURE CONFIGURATIONS</b> + Use "+" to indicate multiple fixtures wired together, installed up to 2' apart. <sup>3</sup> 	

<sup>3</sup> Some fixture configurations do not allow all drivers to be located within the night 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.

GASKETING DETAILS

SS | SS/PC OPTIONS

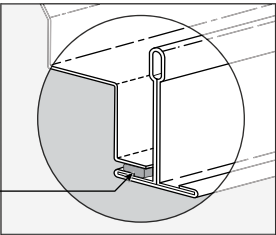
Gasketing factory-installed between door frame and luminaire housing and between door frame and lens.



STANDARD GASKETING

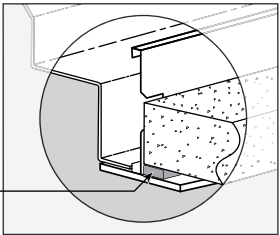
T-bar

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

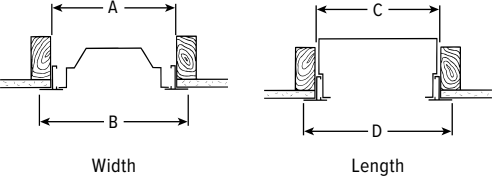
EXAMPLE: DFK - 24 48 W			
SERIES	WIDTH	LENGTH	FINISH
DFK Drywall kit	24 2'	24 2'	W White
	24 2'	48 4'	AMW Anti-microbial white

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

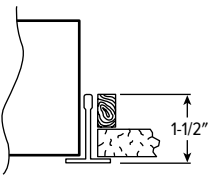
Refer to table for dimensions.



Width

Length

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.