

CATALOG #: _____

Type: _____

PROJECT: _____



FEATURES

- Contoured architectural form integrates seamlessly with modern hospital interiors
- Ambient, exam, reading, and night functions tailor lighting to patient and staff needs
- Low UGR enhances visual comfort for ambient, reading and night lighting
- Optional low-voltage bedside and wall plate controls for convenient access to lighting functions
- Amber color temperature night light option creates gentle illumination while supporting natural sleep patterns
- Anti-microbial finish suppresses the spread of dangerous micro-organisms, mold, and bacterial growth
- Room-side accessible
- Smooth surface door frame and lens materials simplify cleaning and maintenance
- Double gasketing minimizes contaminants
- Shallow housing fits limited plenum spaces
- Support human-centric design with adaptive, individualized lighting using tunable white light, consult factory
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING – .040" formed aluminum.
- DOOR FRAME – Hinged, flat, extruded aluminum door frame with optical assembly. Fully enclosed spring-loaded cam latches.
- SHIELDING – Clear acrylic underlay, .060" thick.
- 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 >72,000 hours per IES TM-21. 50/60 Hz constant current driver.
- MOUNTING – NEMA Type "G" 15/16" or 1", "NFG" and "SG" 9/16" grid installations. Factory-installed earthquake clips provided. Flange installation available, shipped separately: see page 4 for DRYWALL KIT (DFK) OPTIONS.
- LISTINGS –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - IC-rated for direct contact with insulation.
 - City of Chicago Environmental Air approved when specified with CP option.
 - 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: CMR 4AERN G - L52/835 - CA - OPTIONS - DRV - UNV

SERIES	STYLE	CEILING TYPE ^[1]	LUMENS ^[2]	CRI	CCT
CMR	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

SHIELDING

- CA Clear acrylic underlay
- PC Clear polycarbonate underlay

OPTIONS ^[3]

See page 4 for **LOW-VOLTAGE CONTROLLER OPTIONS**.
See page 4 for **DRYWALL KIT (DFK) OPTIONS**.

- EM/10W 10-watt emergency battery ^[4]
- AN Amber night light, 260 lumens
- CP Chicago Plenum (CCEA)

DRIVER ^[5]

- DIM Driver with external 0-10V dimming wires
- DIM1 1% Driver with external 0-10V dimming wires
- DRV Driver without external dimming wires
- DIM LINE Line voltage dimming driver ^[6]

VOLTAGE

- 120 120V
- 277 277V
- UNV 120-277V
- 347 347V ^[7]

CONFIGURATIONS ^[8]

STYLE	CONFIGURATION	LUMENS			
		AMBIENT	EXAM	READING	NIGHT
2AE		L17 1,700	5,300	—	—
		L33 3,300			
2AEN		L17 1,700	5,300	—	300
		L33 3,300			
4AE		L33 3,300	9,300	—	—
		L66 6,600			
4AEN		L33 3,300	9,300	—	300
		L66 6,600			
4AER		L26 2,600	7,300	1,500	—
		L52 5,200			
4AERN		L26 2,600	7,300	1,500	300
		L52 5,200			

NOTES

- See page 4 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.

- Additional drivers available upon request, consult factory.
- TRIAC and ELV compatible, 120V only
- Not available with EM batteries, AN, or low-voltage controller Options.
- See page 3 for STYLE CONFIGURATION DETAILS. For additional lumen packages or configurations, consult factory.



FIXTURE PERFORMANCE DATA

	STYLE	LUMEN PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)		SYSTEM TOTALS					STYLE	LUMEN PACKAGE	UNIFIED GLARE RATING (UGR)			
							LUMEN PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)				CROSSWISE	ENDWISE		
2x2	A	L17	1707	13.8	124	AE	L17	7073	63.9	111	2x2	A	L17	17.5	19.6		
		L33	3309	25.3	131		L33	8675	75.5	115			L33	19.8	21.9		
	E	—	5366	50.2	107	AEN	L17	7380	66.7	111		E	—	21.6	18.9		
		N	—	307	2.7		112	L33	8982	78.2			115	N	—	11.1	7.7
2x4	A	L33	3350	24.6	136	AE	L33	12682	108.6	117	2x4	A	L33	17.1	19.2		
		L66	6638	49.9	133		L66	15970	133.9	119			L66	19.5	21.6		
	E	—	9332	84.0	111	AEN	L33	12989	111.4	117		E	—	20.7	20.3		
		N	—	307	2.7		112	L66	16277	136.6			119	N	—	13.7	10.4
	A	L26	2617	19.2	136	AER	L26	11466	113.8	101		A	L26	17.1	19.2		
		L52	5316	39.8	134		L52	14165	134.4	105			L52	17.1	19.2		
	E	—	7340	65.4	112	AERN	L26	11793	116.5	101		E	—	20.7	20.3		
		R	—	1509	29.2		52	L52	14472	137.1			106	R	—	13.0	14.2
	N	—	307	2.7	114								N	—	13.7	10.4	

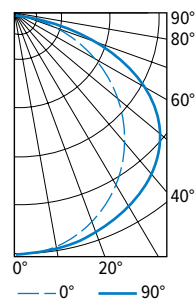
- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI/3500K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier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

MULTIPLIER TABLE

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

PHOTOMETRY

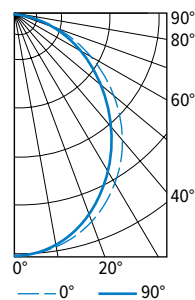
CMR4AERNG-L52/835-CA (Ambient Only) Total Luminaire Output: 5316 lumens; 39.8 Watts | Efficacy: 134 lm/W | 80 CRI; 3500 CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1772	1772	1772	
5	1766	1764	1767	168
15	1687	1709	1733	483
25	1539	1603	1664	739
35	1338	1452	1577	910
45	1093	1264	1437	975
55	821	1032	1216	914
65	527	743	865	708
75	234	369	404	366
85	31	32	23	54
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2300	43
	0 - 60	4189	79
	0 - 90	5316	100
	0 - 180	5316	100

CMR4AERNG-L52/835-CA (Exam Only) Total Luminaire Output: 7340 lumens; 65.4 Watts | Efficacy: 112 lm/W | 80 CRI; 3500K CCT



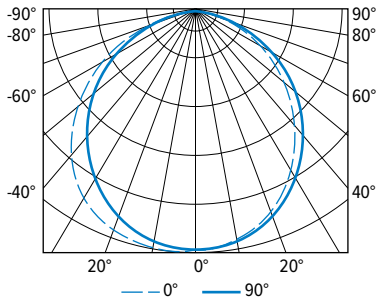
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	3069	3069	3069	
5	3056	3048	3053	289
15	2916	2880	2861	811
25	2648	2572	2517	1185
35	2275	2168	2083	1358
45	1829	1717	1622	1328
55	1349	1252	1176	1124
65	852	790	750	786
75	372	357	346	382
85	49	62	62	76
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	3643	50
	0 - 60	6095	83
	0 - 90	7340	100
	0 - 180	7340	100

PHOTOMETRY CONTINUED ON NEXT PAGE



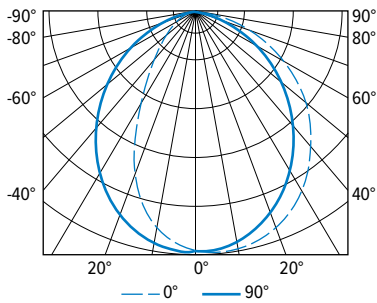
CMR4AERNG-L52/835-CA (Reading Only) Total Luminaire Output: 1509 lumens; 29.2 Watts | Efficacy: 52 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
0	577	577	577	577	577	577	
5	574	573	575	574	583	55	
15	543	543	550	560	575	156	
25	486	490	502	526	549	234	
35	407	415	433	470	496	277	
45	321	329	352	396	415	279	
55	232	239	262	302	314	241	
65	142	148	167	196	204	170	
75	62	63	74	91	92	82	
85	9	8	10	14	10	15	
90	0	0	0	0	0		

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	721	48
	0 - 60	1241	82
	0 - 90	1509	100
	0 - 180	1509	100

CMR4AERNG-L52/835-CA (Night Only) Total Luminaire Output: 307 lumens; 2.7 Watts | Efficacy: 114 lm/W | 80 CRI; 3500K CCT

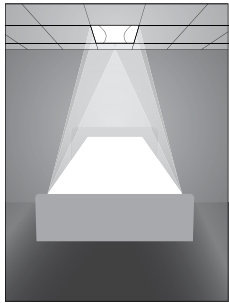


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
0	150	150	150	150	150		
5	152	151	150	147	145	14	
15	149	146	142	133	123	39	
25	138	134	126	108	83	55	
35	121	115	106	76	46	59	
45	100	92	82	46	27	54	
55	76	67	58	26	17	44	
65	50	41	34	13	9	28	
75	25	16	12	5	3	12	
85	6	1	1	1	0	2	
90	0	0	0	0	0		

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	167	54
	0 - 60	265	86
	0 - 90	307	100
	0 - 180	307	100

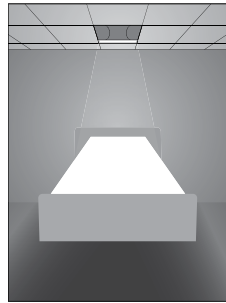
FOOTCANDLE ESTIMATOR & DISTRIBUTION

4AE – AMBIENT & EXAM ON



120	140	148	140	121
125	144	153	144	125
121	138	145	138	121
123	139	145	139	122
118	133	138	134	120
105	117	122	118	106
88	98	101	98	89
70	77	79	77	71
59	63	66	64	61

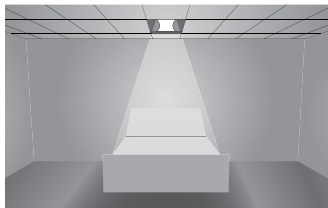
4AER – READING ON



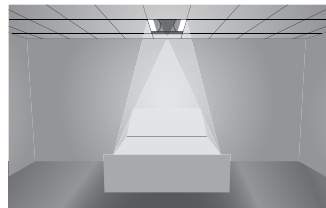
13	15	16	15	13
13	15	16	15	13
13	14	15	14	12
12	14	15	14	12
12	13	14	13	12
10	11	12	12	10
9	9	10	10	9
7	7	8	7	7
6	6	6	6	6

STYLE CONFIGURATION DETAILS

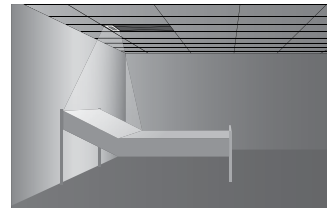
AMBIENT (A)



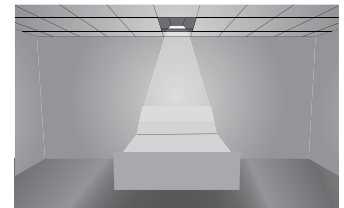
EXAM (E)



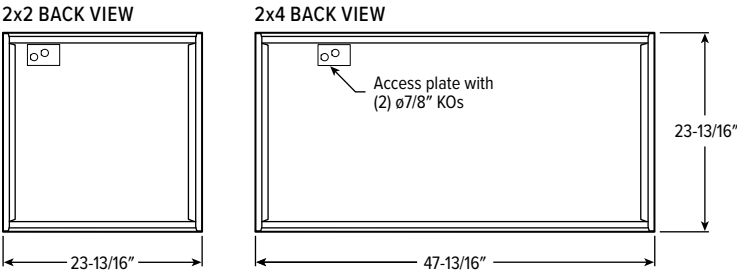
READING (R)



NIGHT (N)



FIXTURE DETAILS

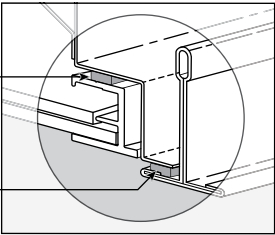


GASKETING DETAILS

T-BAR

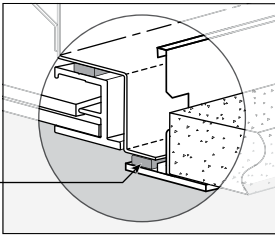
Door frame gasketing factory-installed between door frame and luminaire housing prevents light leak and reduces dust ingress.

Housing gasketing (supplied with fixture) 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

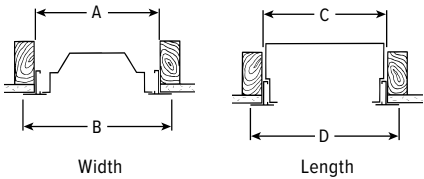
ORDERING INFO

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



LOW-VOLTAGE CONTROLLER OPTIONS

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

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.

