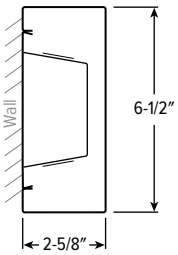
CMH LED
Contour Multi-Function Headwall



CATALOG #:

TYPE:

PROJECT:

BAA & BABA COMPLIANT | ADA Compliant | TW

FEATURES

- Contoured architectural form designed to bring comfort, versatility, and thoughtful functionality to modern healthcare spaces
- Slim, ADA-compliant profile
- Meets IES recommendations for patient rooms
- Independent up and down lighting with low-voltage controller and pull chain options gives patients greater control
- Tamper-resistant screws are provided for vandal-prone areas
- Amber night light option supports a restful atmosphere
- Anti-microbial finish suppresses the spread of dangerous micro-organisms, mold, and bacterial growth
- Low-voltage controller wall plate accessories provide easy access for healthcare personnel
- Create a consistent look throughout the healthcare setting with the Contour Medical Series, see hew.com/contour-family
- Six standard finish options and a wide selection of custom colors complement architectural elements
- Support human-centric design with adaptive, individualized lighting using tunable white light, consult factory
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING – 20-gauge die-formed, welded C.R.S. with die-cast aluminum end caps. Tamper-resistant Torx Pin screws and (1) tamper-resistant tool provided.
- SHIELDING – Diffuse matte acrylic, .080″ thick.
- FINISH – Textured anti-microbial 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. L70 >72,000 hours per IES TM-21. 50/60 Hz constant current driver.
- MOUNTING – Wall mounts over horizontal junction box, flush to wall.
- LISTINGS –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - ADA compliant
  - 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: CMH - 4 - L50/835U/L50/835D - DMA - WHT - OPTIONS - DIMU/DIMD - UNV

SERIES
CMH

LENGTH
2 2′
3 3′
4 4′

LUMEN PACKAGE (EXAMPLE: L50/835U/L50/835D)
Specify lumen packages: **U** for Uplight and **D** for Downlight

LUMENS [1]		CRI		CCT		U OR D	
2′		**8**	80	**27**	2700K	**U**	Uplight
L13	1,300lm	**9**	90	**30**	3000K	**D**	Downlight
L25	2,500lm			**35**	3500K		
3′				**40**	4000K		
L19	1,900lm			**50**	5000K		
L38	3,800lm						
4′							
L25	2,500lm						
L50	5,000lm						

SHIELDING
DMA Diffuse matte acrylic, .080″ thick

FINISH OPTIONS [2]

WHT	White
BLK	Black (RAL #9011)
BRZ	Bronze (RAL #7022)
NKL	Nickel
SLV	Silver
ALUM	Silver sparkle
RAL#____	Custom color [3]

OPTIONS
*See page 4 for **LOW-VOLTAGE CONTROLLER OPTIONS**.*

EM/10W	10-watt emergency battery [4]
EM/10WRM	Remote mount 10-watt emergency battery
(L__)	Additional lower lumen packages available [5] Example: 4,000 lumens = CMH-4-L50/835U/L50/835D-**(L40)**
NL	Night light, 110 lumens
AN	Amber night light, 90 lumens
APCW	Anti-microbial white pull cord [6]
PSB_/120	Single-circuit bottom-mounted pull switch [7]
PS2B_/120	Two-circuit, 4-position bottom-mounted pull switch [8]

DRIVER [9]

DIMU/DIMD	Driver with external 0-10V dimming wires. Up and down switch and dim separately.
DIM1U/DIM1D	1% Driver with external 0-10V dimming wires. Up and down switch and dim separately.
DRVU/DRVD	Driver without external dimming wires. Up and down switch separately.
DIM LINEU/DIM LINED	Line voltage dimming driver. Up and down switch and dim separately. [10]

VOLTAGE
120 120V
277 277V
UNV 120-277V
347 347V [11]

NOTES

1. Lumen output based on 80 CRI/3500K CCT. Actual performance may vary +/-5%. Additional lumen packages available, see Options.
2. See page 4 for FINISH OPTION DETAILS.
3. Specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1″ square.
4. Not available with 2′ Length. Not available with low-voltage controller Options.
5. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
6. Packaged with fixture, field installed. Requires PSB_ or PS2B_ Options.
7. Specify **R** for right and **L** for left. Operates downlight, 120V only.
8. Specify **R** for right and **L** for left. 120V only.
9. Additional drivers available upon request, consult factory.
10. TRIAC and ELV compatible, 120V only
11. Not available with EM batteries, NL, AN, or low-voltage controller Options.

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FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS			TOTAL WATTAGE	EFFICACY (lm/W)
		UP	DOWN	TOTAL		
2′	L13/835U/L13/835D	1319	1319	2638	23.8	111
	L25/835U/L25/835D	2504	2504	5008	42.9	117
3′	L19/835U/L19/835D	1913	1913	3826	33.0	116
	L38/835U/L38/835D	3817	3817	7634	65.2	117
4′	L25/835U/L25/835D	2559	2559	5118	41.6	123
	L50/835U/L50/835D	5008	5008	10016	84.0	119

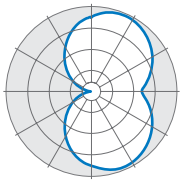
MULTIPLIER TABLE

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

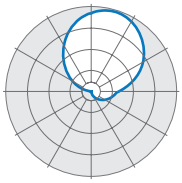
- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI/3500K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier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

PHOTOMETRY

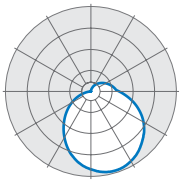
UP/DOWN ON



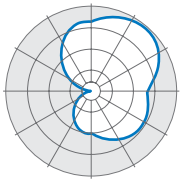
UP ON



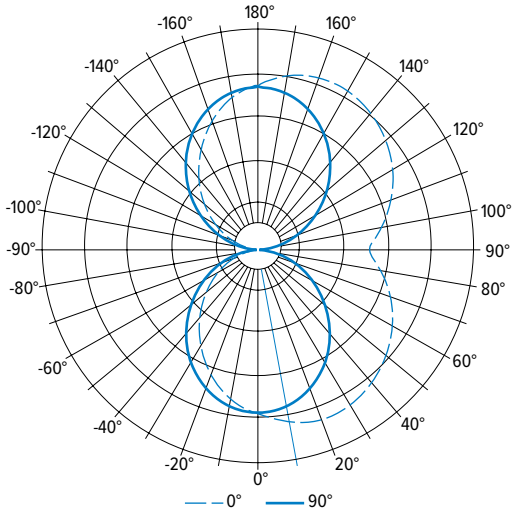
DOWN ON



NIGHT LIGHT



CMH-4-L50/835U/L50/835D-DMA-WHT-DIM-UNV Total Luminaire Output: 10,016 lumens; 84.0 Watts | Efficacy: 119 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION							
	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
	0	1509	1509	1509	1509	1509	
	5	1564	1543	1493	1469	1464	143
	15	1650	1570	1418	1349	1317	411
	25	1669	1531	1275	1182	1124	622
	35	1631	1439	1090	977	909	749
	45	1556	1309	877	767	700	792
	55	1456	1165	658	561	501	756
	65	1339	998	440	362	314	656
	75	1199	821	231	177	146	509
	85	1051	665	65	37	21	366
	90	1007	621	12	12	11	
	95	1051	678	67	26	16	368
	105	1199	836	234	164	143	510
	115	1338	1010	445	348	315	656
	125	1464	1175	665	550	515	758
	135	1568	1318	884	760	708	793
	145	1643	1443	1096	971	918	751
	155	1683	1531	1277	1172	1133	621
	165	1667	1565	1415	1339	1330	410
	175	1583	1533	1492	1466	1478	143
	180	1510	1510	1510	1510	1510	

LUMEN SUMMARY			
	ZONE	LUMENS	% FIXTURE
	0 - 30	1178	12
	0 - 40	1925	19
	0 - 60	3473	35
	0 - 90	5005	50
	90 - 120	1534	15
	90 - 150	3836	38
	90 - 180	5011	50
	0 - 180	10016	100

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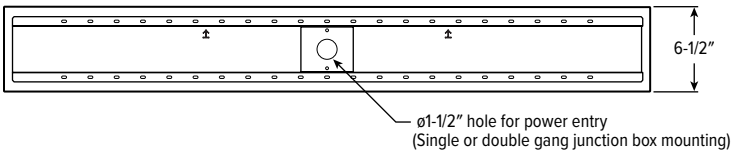
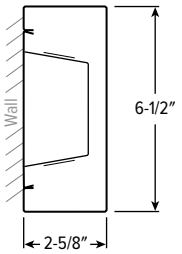
FIXTURE DETAILS

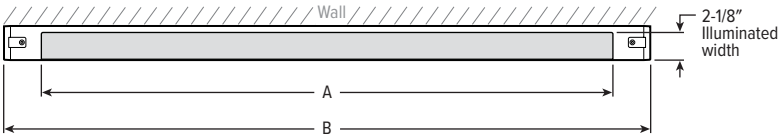
BACK VIEW



SIDE VIEW

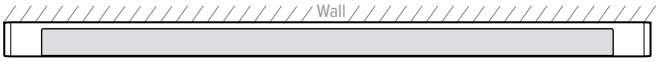


TOP VIEW



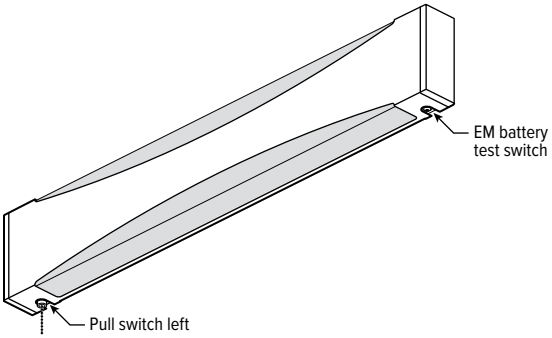
	ILLUMINATED LENGTH (A)	ACTUAL LENGTH (B)
2′	22″	27-3/4″ O.C.
3′	33″	38-3/4″ O.C.
4′	44″	49-3/4″ O.C.

BOTTOM VIEW

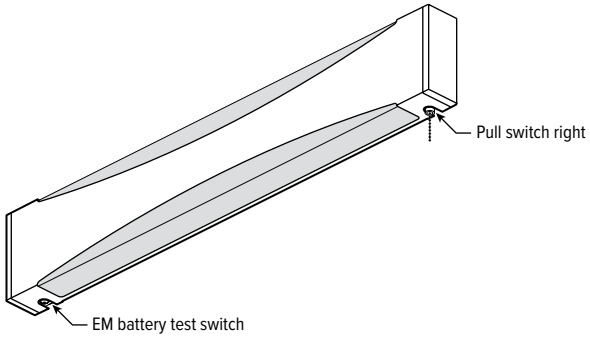


OPTIONS DETAILS

PULL SWITCH LEFT | EM TEST SWITCH



PULL SWITCH RIGHT | EM TEST SWITCH



AN OPTION

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LOW-VOLTAGE CONTROLLER OPTIONS

EXAMPLE: LVC2U/D			
CONTROLLER	**LOAD 1**	**LOAD 2**	**LOAD 3**
LVC1 1-circuit	**U** Up **D** Down **N** Night		
LVC2 2-circuit	**U/** Up **D/** Down	**D/** Down **N/** Night	
LVC3 Dimming control	**DIMU/** Uplight, 0-10V dimming [1] **DIMD/** Downlight, 0-10V dimming [1]	**U/** Up **D/** Down **N/** Night	**N** Night
	DIMU/DIMD/ Uplight and downlight, 0-10V dimming [1]		

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.

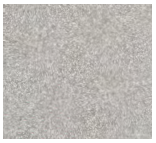
FINISH OPTION DETAILS

WHITE

BLACK

BRONZE

NICKEL



SILVER

ALUM

RAL#____

For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require four sample swatches, minimum 1" square.