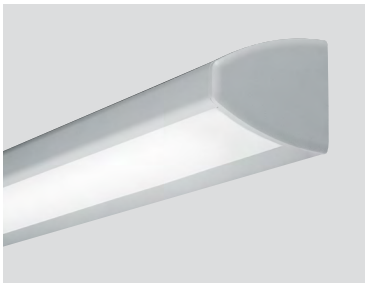
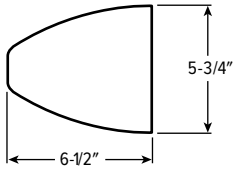
WMA LED Architectural Wall Mount





CATALOG #:

TYPE:

PROJECT:

FEATURES

- Ambient up/down light with closed top option available
- Fully accessible without the use of tools
- Pull switch and grounded convenience outlet options available
- Low-voltage controller and pull cord options provide patients with bedside lighting control
- Maximize energy savings with efficacies as high as 147 lm/W
- Contoured architectural housing with die-cast aluminum end caps
- Keyhole mounting for easy installation
- Supplied with both Philips and tamper-resistant tri-groove screws for additional security
- Anti-microbial finish option suppresses the spread of dangerous micro-organisms, mold, and bacterial growth
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING – 20-gauge C.R.S. fixture channel. Front housing constructed of marine grade extruded aluminum with die-cast aluminum end caps.
- REFLECTIVE SURFACES – 92% minimum average reflective white polyester powder coat on interior steel components.
- SHIELDING – Frosted acrylic, .125″ thick.
- 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 board. 25°C maximum ambient operating temperature. 50/60 Hz constant current driver. L70 > 72,000 hours per IES TM-21.
- MOUNTING – Wall.
- LISTINGS –
  - cETLus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations.
  - 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: WMA - 4 - L80/835 - AF - OPTIONS - CONTROL/DIM - UNV

SERIES	LENGTH	LUMENS [1]	CRI	CCT	SHIELDING
WMA	**2** 2′	**2′**	**8** 80	**27** 2700K	**AF** Frosted acrylic, .125″ thick
	3 3′	**L20** 2,000lm	**9** 90	**30** 3000K	
	4 4′	**L40** 4,000lm		**35** 3500K	
		3′		**40** 4000K	
		L30 3,000lm		**50** 5000K	
		L60 6,000lm			
		4′			
		L40 4,000lm			
		L80 8,000lm			
		L100 10,000lm			
		L135 13,500lm			

OPTIONS

*See page 3 for **FINISH OPTIONS**.*

EM/10W	10-watt emergency battery
PSBR/120	Single-circuit bottom-mounted pull switch on right [2]
PSBL/120	Single-circuit bottom-mounted pull switch on left [3]
APCW	Anti-microbial white pull cord [4]
GCOL	Grounded convenience outlet on left [5]
GCOR	Grounded convenience outlet on right [6]
CT	Closed-top [7]
LVC1A	1-circuit low-voltage control relay, wired for Ambient [8]
LVC3DIM	1-circuit dimming low-voltage control relay [9]
AMW	Anti-microbial white finish
(L__)	Additional lower lumen packages available. Example: 7,000 lumens = WMA-4-L80/835-**(L70)** [10]

CONTROL

*Click **HERE** for control and sensor options.*

– None

DRIVER

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

DIM	Driver with external dimming wires
DRV	Driver without external dimming wires
DIM1	1 % Driver with external 0-10V dimming wires

VOLTAGE

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

ACCESSORIES

TPTG TOOL Tamper-resistant tool for tri-groove screws. [12]

NOTES

1. Lumen output based on 80 CRI/3500K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
2. 120V only.
3. 120V only.
4. Packaged with fixture, field installed. Requires PSBL or PSBR Options.
5. 120V only.
6. 120V only.
7. Only available with 2′ L20, 3′ L30, and 4′ L40 lumen packages.
8. 120V-277V only. Not dimming compatible. LVC wall plate accessories available, see hew.com/LVCWP for details.
9. 120V-277V only. DIM driver only. LVC wall plate accessories available, see hew.com/LVCWP for details.
10. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
11. Not available with EM batteries or low-voltage controllers.
12. Tamper-resistant tool must be ordered separately for use with tamper-resistant screws. Please specify quantity required per project.

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FIXTURE PERFORMANCE DATA

	LED PACKAGE	WATTAGE	STANDARD		CT OPTION	
			DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
2′	L20	15.3	2027	132	2117	133
	L40	31.9	4046	140	–	–
3′	L30	21.3	3005	147	3126	130
	L60	44.0	6080	138	–	–
4′	L40	29.2	4054	139	4118	137
	L80	63.6	8071	137	–	–
	L100	74.0	10132	137	–	–
	L135	101.1	13538	134	–	–

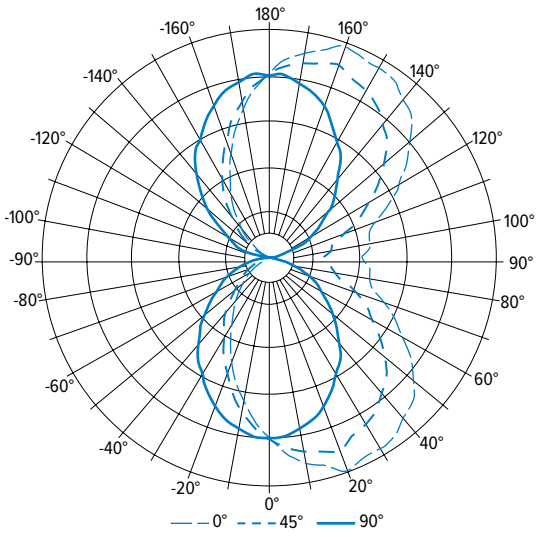
- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI/3500K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier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

MULTIPLIER TABLE

	COLOR TEMPERATURE	
	CCT	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

PHOTOMETRY

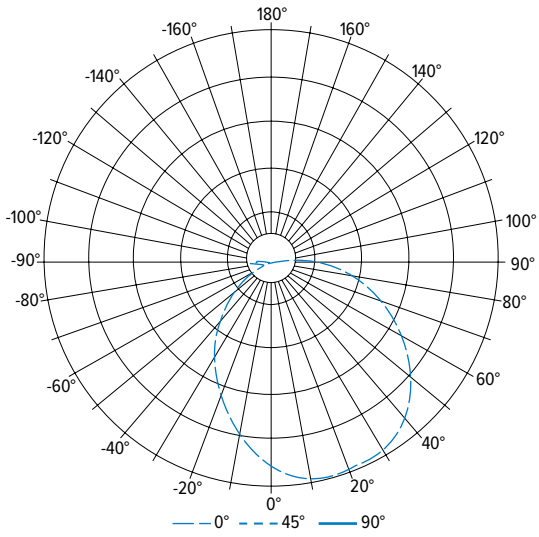
WMA-4-L40/835-AF Total Luminaire Output: 4139 lumens; 30.0 Watts | Efficacy: 138.1 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
	0	741	741	741	741	741	
	5	809	784	737	702	680	70
	15	880	819	688	580	533	197
	25	907	809	605	443	380	289
	35	896	769	512	324	257	338
	45	835	684	394	204	145	340
	55	702	553	282	112	64	299
	65	566	429	184	43	12	234
	75	433	287	92	3	6	165
	85	417	250	21	11	21	136
	90	380	229	0	20	29	
	95	414	252	22	15	25	137
	105	430	291	93	3	6	166
	115	562	432	185	41	10	234
	125	697	556	287	114	64	299
	135	824	684	397	204	145	340
	145	889	769	521	326	259	339
	155	900	808	613	445	382	289
	165	877	820	698	581	535	198
	175	808	785	749	706	684	70
	180	743	743	743	743	743	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	556	13
	0 - 40	894	22
	0 - 60	1533	37
	0 - 90	2068	50
	90 - 120	536	13
	90 - 150	1514	37
	90 - 180	2071	50
	0 - 180	4139	100

WMA-4-L40/835-AF-CT Total Luminaire Output: 4118 lumens; 30.0 Watts | Efficacy: 137.3 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
	0	1401	1401	1401	1401	1401	
	5	1507	1410	1389	1288	1345	131
	15	1573	1490	1334	1152	1124	374
	25	1541	1459	1187	970	881	559
	35	1528	1359	1035	764	658	666
	45	1373	1218	848	546	434	679
	55	1226	1026	655	312	219	605
	65	985	808	427	124	62	464
	75	750	575	201	22	27	314
	85	481	328	39	39	75	194
	90	364	213	7	83	129	
	95	258	114	0	55	85	99
	105	73	13	0	11	46	27
	115	4	0	0	6	9	4
	125	0	0	0	4	8	2
	135	0	0	0	2	5	1
	145	0	0	0	1	2	0
	155	0	0	0	1	0	0
	165	0	0	0	1	0	0
	175	0	0	0	0	0	0
	180	0	0	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1064	26
	0 - 40	1730	42
	0 - 60	3014	73
	0 - 90	3985	97
	90 - 120	130	3
	90 - 150	132	3
	90 - 180	133	3
	0 - 180	4118	100

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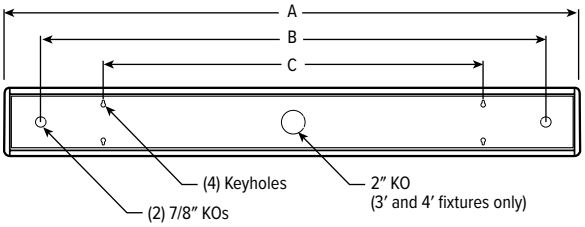
FIXTURE DETAILS

BACKVIEW



	DIMENSIONS		
	ACTUAL LENGTH (A)	7/8" KOS (B)	MOUNTING LENGTH (C)
2′	25-1/8″ O.C.	20-1/2″ O.C.	16″ O.C.
3′	37-1/8″ O.C.	32-1/2″ O.C.	32″ O.C.
4′	49-1/8″ O.C.	42-1/2″ O.C.	32″ O.C.

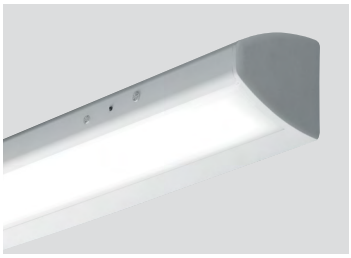
FINISH OPTIONS

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.

ADDITIONAL DRIVER OPTIONS

Note: Restrictions may apply, consult product builder at hew.com/product-builder

CATALOG NUMBER	DESCRIPTION
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)
DA	Driver with 12V auxiliary power, without external dimming wires (not available with 347V)
DSR	DALI-2 sensor-ready driver without external dimming wires (D4i DALI-2. Not available with 347V.)
DALI	DALI dimming driver
DMX	Driver prewired for DMX applications
SD40	40% step-dimming driver
SD50	50% step-dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming driver
LD2	Lutron DALI-2 digital driver, 1%
DCC	Remote UL Class 2 DC constant current supply, UL- or CSA-listed, by others

SENSOR & NODE PLACEMENT DETAILS