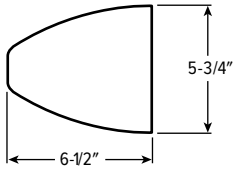
WMA tunable WHITE Architectural Wall Mount



CATALOG #:

TYPE:

PROJECT:

FEATURES

- Support human-centric design with adaptive, individualized lighting using tunable white light
- 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
- 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. L70 > 50,000 hours per IES TM-21. 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 – 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 - L64/8TW - AF - OPTIONS - CONTROL/DALI - UNV

ORDERING INFO

SERIES	LENGTH	LUMENS [1]	CRI	CCT	SHIELDING
WMA	**2** 2′	**2′**	**8** 80	**TW** Tunable white (3000K–5000K)	**AF** Frosted acrylic, .125″ thick
	3 3′	**L20** 2,000lm	**9** 90	**TW2** Tunable white (2700K-6500K)	
	4 4′	**L30** 3,000lm			
		3′			
		L23 2,300lm			
		L46 4,600lm			
		4′			
		L32 3,200lm			
		L64 6,400lm			

OPTIONS [2]

EM/10W	10-watt emergency battery
PSBR/120	Single-circuit bottom-mounted pull switch on right [4]
PSBL/120	Single-circuit bottom-mounted pull switch on left [5]
APCW	Anti-microbial white pull cord [6]
GCOL	Grounded convenience outlet on left [7]
GCOR	Grounded convenience outlet on right [8]
LVC1A	1-circuit low-voltage controller, wired for Ambient [9]
LVC3DIM	1-circuit dimming low-voltage controller [10]
AMW	Anti-microbial white finish
(L__)	Additional lower lumen packages available. Example: 5,000 lumens = WMA-4-L64/8TW-**(L50)** [11]

CONTROL [3]

See page 3 for ADDITIONAL CONTROL OPTIONS.

–	None
AWNR	Lutron Athena wireless node integral fixture control, RF only [12]

DRIVER

See page 3 for DRIVER DETAILS.

DALI	Driver prewired for DALI applications
DIM	(1) 0-10V signal to control dimming (1) 0-10V signal to control CCT
DMX	Driver prewired for DMX applications
DSR	Sensor-ready driver without external dimming wires (D4i DALI-2). [13]
LD2	Lutron DALI-2 digital driver, 1%

VOLTAGE

120	120V
277	277V
UNV	120-277V

ACCESSORIES

TPTG TOOL Tamper-resistant tool for tri-groove screws. [14]

NOTES

1. Lumen output based on 80 CRI/4000K CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
2. See page 2 for FINISH OPTIONS.
3. See page 3 for SENSOR PLACEMENT DETAILS.
4. 120V only.
5. 120V only.
6. Packaged with fixture, field installed. Requires PSBR or PSBL option.
7. 120V only.
8. 120V only.
9. Not dimming compatible. Color tuning performed by alternate 0-10V control source. LVC wall plate accessories available, see hew.com/LVCWP for details.
10. DIM driver only. Bedside switch used to control dimming only, color tuning performed by alternate 0-10V control source. LVC wall plate accessories available, see hew.com/LVCWP for details.
11. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
12. DSR and LD2 Drivers only.
13. Lutron Athena Controls only.
14. 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

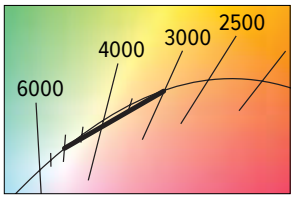
	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2′	L20	2065	16.8	123
	L30	3126	26.2	119
3′	L23	2386	19.2	124
	L46	4723	39.1	121
4′	L32	3318	26.8	124
	L64	6511	54.7	119

- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI/4000K 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.

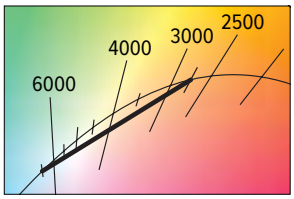
MULTIPLIER TABLE

	CCT	COLOR TEMPERATURE TW LUMENS	TW WATTAGE	TW2 LUMENS	TW2 WATTAGE
80 CRI	2700K	–	–	0.93	1.02
	3000K	0.95	1.04	0.95	1.01
	3500K	0.98	1.02	0.98	1.00
	4000K	1.00	1.00	1.00	1.00
	5000K	0.96	1.04	1.02	1.00
	6500K	–	–	1.01	1.04
90 CRI	2700K	–	–	0.81	1.02
	3000K	0.83	1.04	0.83	1.01
	3500K	0.86	1.02	0.86	1.00
	4000K	0.88	1.00	0.88	1.00
	5000K	0.84	1.04	0.89	1.00
	6500K	–	–	0.88	1.04

TW

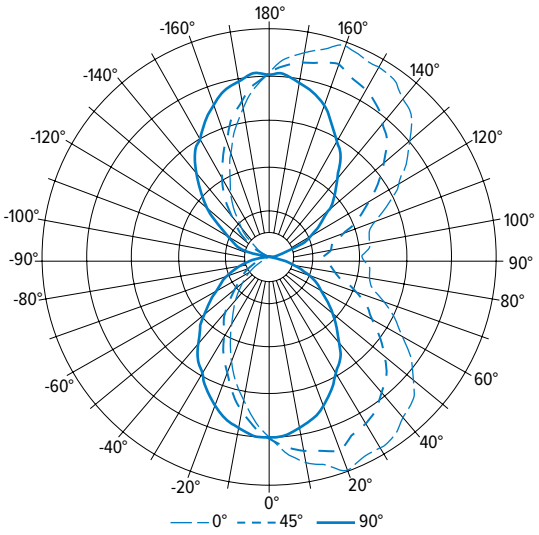


TW2



PHOTOMETRY

WMA-4-L64/8TW-AF Total Luminaire Output: 6511 lumens; 54.7 Watts | Efficacy: 119.0 lm/W | 80 CRI; 4000K CCT



CANDLEPOWER DISTRIBUTION

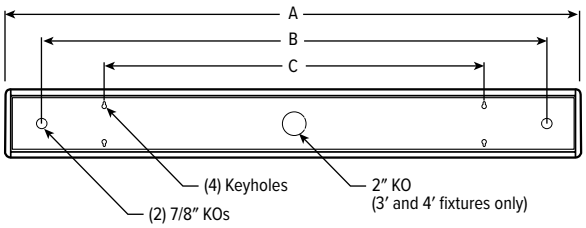
VERTICAL ANGLE	HORIZONTAL ANGLE 0°	45°	90°	135°	180°	ZONAL LUMENS
0	1166	1166	1166	1166	1166	
5	1273	1233	1159	1105	1070	110
15	1384	1289	1083	912	838	310
25	1427	1273	952	697	598	454
35	1410	1210	806	510	405	532
45	1313	1077	619	320	228	535
55	1105	869	443	176	101	470
65	890	675	290	67	18	368
75	681	452	145	5	9	260
85	656	394	33	17	33	214
90	598	361	0	31	46	
95	652	397	35	24	39	216
105	677	458	147	5	9	261
115	884	679	291	64	16	367
125	1096	875	451	179	101	470
135	1296	1077	624	320	228	535
145	1398	1210	820	513	408	533
155	1416	1271	964	700	601	455
165	1380	1290	1099	914	842	311
175	1271	1235	1178	1111	1077	111
180	1169	1169	1169	1169	1169	

LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0 - 30	874	13
0 - 40	1407	22
0 - 60	2411	37
0 - 90	3253	50
90 - 120	844	13
90 - 150	2382	37
90 - 180	3258	50
0 - 180	6511	100

FIXTURE DETAILS

BACKVIEW



	DIMENSIONS A	B	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.

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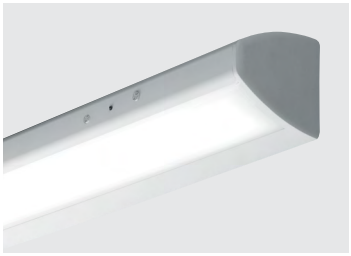
SENSOR PLACEMENT DETAILS



ADDITIONAL CONTROL OPTIONS

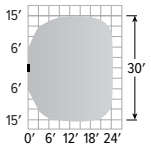
LVC and sensor option cannot be used simultaneously on 2′ and 3′ units.

OCCWS-FS-505-PP-___ Wattstopper low voltage ultrasonic motion sensor with power pack. Must specify voltage: 120, 277, or 347V.

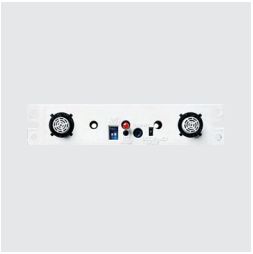
SPECIFICATIONS	
TYPE	Ultrasonic Motion
MOUNTING HEIGHT	8′ – 10′
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	5 to 95%, non-condensing

SENSOR COVERAGE PATTERN

8′ height: ø27′ coverage
20° from vertical



SENSOR DETAIL



DRIVER DETAILS

DIM

DALI

DMX

LD2