

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

TYPE: \_\_\_\_\_

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



## FEATURES

- Support human-centric design with adaptive, individualized lighting using tunable white light
- 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. 50/60 Hz constant current driver.
- 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](http://hew.com/buy-american)
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty)

## ORDERING EXAMPLE: WMAUD - 4 - L32U/L32D/8TW - AF - OPTIONS - CONTROL/DALI - UNV

### ORDERING INFO

SERIES	LENGTH	LUMEN PACKAGE (EXAMPLE: L32U/L32D/8TW)					SHIELDING
WMAUD	2 2'	Specify lumen packages: U for Uplight and D for Downlight					AF Frosted acrylic, .125" thick
	3 3'	LUMENS <sup>[1]</sup> U OR D CRI CCT					
	4 4'	2'	U Uplight	8 80	TW Tunable white (3000K-5000K)		
		L20 2,000lm	D Downlight	9 90	TW2 Tunable white (2700K-6500K)		
	3'						
		L23 2,300lm					
	4'						
		L32 3,200lm					

### OPTIONS <sup>[2]</sup>

See page 3 for LOW-VOLTAGE CONTROLLER OPTIONS.  
See page 3 for FINISH OPTIONS.

EM/10W	10-watt emergency battery <sup>[3]</sup>
EM/10WRM	Remote mount 10-watt emergency battery
EM/10WRM/RTS	Remote mount 10-watt emergency battery with regressed test switch
PSBR/120	Single-circuit bottom-mounted pull switch on right <sup>[4]</sup>
PSBL/120	Single-circuit bottom-mounted pull switch on left <sup>[5]</sup>
PS2BR/120	Two-circuit, 4-position bottom-mounted pull switch on right <sup>[6]</sup>
PS2BL/120	Two-circuit, 4-position bottom-mounted pull switch on left <sup>[7]</sup>
APCW	Anti-microbial white pull cord <sup>[8]</sup>
GCOL	Grounded convenience outlet on left <sup>[9]</sup>
GCOR	Grounded convenience outlet on right <sup>[10]</sup>
AMW	Anti-microbial white finish

### CONTROL

See page 4 for ADDITIONAL CONTROL OPTIONS.

–	None
AWNR	Lutron Athena wireless node integral fixture control, RF only <sup>[11]</sup>

### DRIVER

See page 4 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). <sup>[12]</sup>
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. <sup>[13]</sup>

### NOTES

- Lumen output based on 80 CRI/4000K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- Remote EM batteries: max remote distance 50'. Large remote box provided. Specify CEC in the option code when California Energy Commission regulations are required. See page 3 for REMOTE MOUNT BATTERY DETAILS.
- 4' only.
- Operates downlight, 120V only.
- Operates downlight, 120V only.
- 120V only.

- 120V only.
- Packaged with fixture, field installed. Requires PSB\_ or PS2B\_ option.
- 120V only.
- 120V only.
- DSR and LD2 Drivers only.
- Lutron Athena Controls only.
- Tamper-resistant tool must be ordered separately for use with tamper-resistant screws. Please specify quantity required per project. See page 2 for FIXTURE DETAILS.



## FIXTURE PERFORMANCE DATA

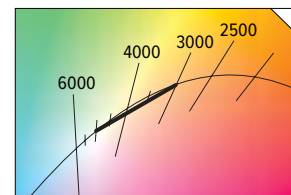
	LED PACKAGE	DELIVERED LUMENS			TOTAL WATTAGE	EFFICACY (lm/W)
		UP	DOWN	TOTAL		
2'	L20U/L20D	2011	2011	4022	34.7	116
3'	L23U/L23D	2361	2361	4722	38.5	123
4'	L32U/L32D	3256	3256	6512	54.7	119

- 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%
- Use multiplier table to calculate additional options.

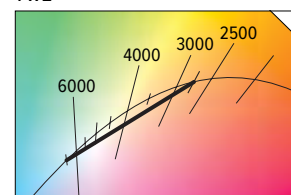
## MULTIPLIER TABLE

COLOR TEMPERATURE					
	CCT	TW		TW2	
		LUMENS	WATTAGE	LUMENS	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

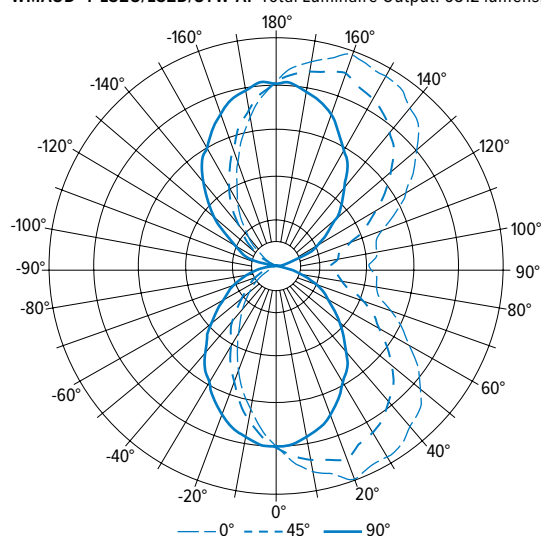


## TW2



## PHOTOMETRY

WMAUD-4-L32U/L32D/8TW-AF Total Luminaire Output: 6512 lumens; 54.7 Watts | Efficacy: 119.0 lm/W | 80 CRI; 4000K CCT



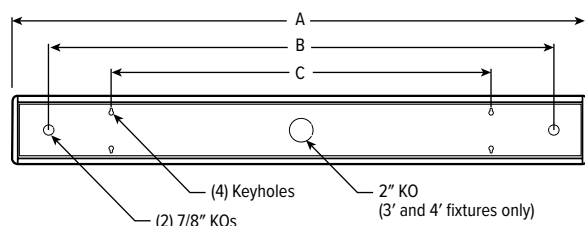
	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
CANDLEPOWER DISTRIBUTION	0	1166	1166	1166	1166	1166	
	5	1273	1233	1159	1105	1070	110
	15	1384	1289	1083	913	838	310
	25	1427	1273	952	697	598	454
	35	1410	1210	806	510	405	532
	45	1313	1077	619	320	228	535
	55	1105	869	443	176	101	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	625	320	228	535
	145	1398	1210	820	513	408	533
	155	1416	1271	964	700	601	455
	165	1380	1290	1099	915	842	311
	175	1271	1235	1179	1111	1077	111
	180	1169	1169	1169	1169	1169	

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 30	875	13
	0 - 40	1407	22
	0 - 60	2412	37
	0 - 90	3254	50
	90 - 120	844	13
	90 - 150	2382	37
	90 - 180	3259	50
	0 - 180	6512	100

## FIXTURE DETAILS

See [hew.com/power-entry](http://hew.com/power-entry) for power entry details.

## BACKVIEW

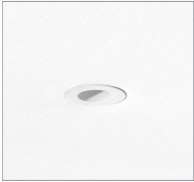


DIMENSIONS			
	A	B	C
2'	25-1/8" O.C.	20-1/2" O.C.	16" O.C.
3'	37-1/8" O.C.	32-1/2" O.C.	32" O.C.
4'	49-1/8" O.C.	42-1/2" O.C.	32" O.C.




REMOTE MOUNT BATTERY DETAILS

EM/10WRM/RTS



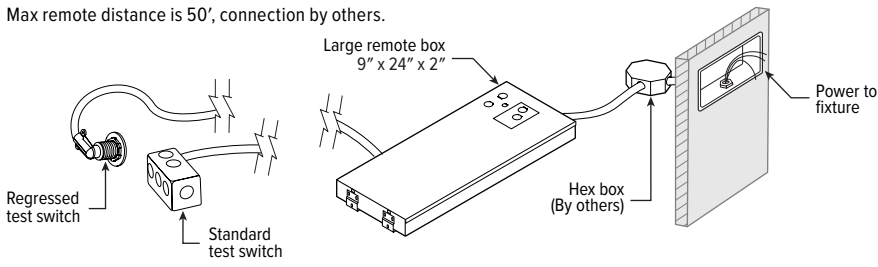
Regressed test switch  
ø1-3/4"

EM/10WRM



Standard test switch  
2-3/4" x 4-1/2"

Max remote distance is 50', connection by others.



Large remote box  
9" x 24" x 2"

Regressed test switch

Standard test switch

Hex box  
(By others)

Power to fixture

LOW-VOLTAGE CONTROLLER OPTIONS

120V-277V only. Color tuning performed by alternate 0-10V control source.  
LVC wall plate accessories available, see [hew.com/LVCWP](http://hew.com/LVCWP) for details.

EXAMPLE: LVC2U/D				
CONTROLLER	FUNCTION			
	LOAD 1		LOAD 2	
LVC1 1-circuit	U	Up		
	D	Down		
LVC2 2-circuit	U/	Up	D	Down
LVC3 Dimming control	DIMU	0-10V dimming for Uplight	/D	Down
			/DIMD	0-10V dimming for Downlight
	DIMD	0-10V dimming for Downlight	/U	Up
			/DIMU	0-10V dimming for Uplight
	SEQU	Up and down sequentially switched		

FINISH OPTIONS

WHITE

BLACK

BRONZE

NICKEL

SILVER

ALUM



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.

SEE NEXT PAGE FOR CONTROL DETAILS

SENSOR PLACEMENT DETAILS



ADDITIONAL CONTROL OPTIONS

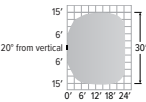
LVC and sensor option cannot be used simultaneously on 2' and 3' units.

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

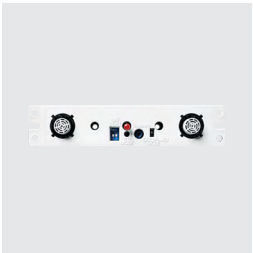
SPECIFICATIONS	
TYPE	Ultrasonic Motion
MOUNTING HEIGHT	8' – 10'
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	5 to 95%, non-condensing

SENSOR COVERAGE PATTERN

8' height: ø27' coverage  
20° from vertical



SENSOR DETAIL



DRIVER DETAILS

DIM



DALI



DMX



LD2

