

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
- Optional anti-microbial white pull cord and finish available for use in healthcare applications
- Maximize energy savings with efficacies as high as 138 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
- Available with Avi-on wireless fixture controls
- 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 at 50,000 hours. 25°C maximum ambient operating temperature.
- 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.
- WARRANTY – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).



## ORDERING EXAMPLE: WMA - 4 - L80/835 - AF - OPTIONS - CONTROL/DIM - UNV

### ORDERING INFO

SERIES	LENGTH	LUMENS <sup>[1]</sup>	CRI	CCT	SHIELDING
WMA	2 2'	2'	8 80	27 2700K	AF Frosted acrylic, .125" thick
	3 3'	L20 2,000lm	9 90 <sup>[6]</sup>	30 3000K	
	4 4'	L40 4,000lm <sup>[2]</sup>		35 3500K	
		3'		40 4000K	
		L30 3,000lm		50 5000K	
		L60 6,000lm <sup>[3]</sup>			
	4'				
		L40 4,000lm			
		L80 8,000lm <sup>[4]</sup>			
		L100 10,000lm <sup>[5]</sup>			

### OPTIONS <sup>[7]</sup>

EM/10W	10-watt emergency battery
PSBR/120	Single-circuit bottom-mounted pull switch on right <sup>[9]</sup>
PSBL/120	Single-circuit bottom-mounted pull switch on left <sup>[10]</sup>
APCW	Anti-microbial white pull cord <sup>[11]</sup>
GCOL	Grounded convenience outlet on left <sup>[12]</sup>
GCOR	Grounded convenience outlet on right <sup>[13]</sup>
CT	Closed-top
LVC1A	1-circuit low-voltage control relay, wired for Ambient <sup>[14]</sup>
LVC3DIM	1-circuit dimming low-voltage control relay <sup>[15]</sup>
AMW	Anti-microbial white finish
(L__)	Additional lower lumen packages available. Example: 7,000 lumens = WMA-4-L80/835-(L70) <sup>[16]</sup>

### CONTROL <sup>[8]</sup>

–	None
AVI-LVFA	Avi-on wireless fixture control <sup>[17]</sup>

### DRIVER <sup>[18]</sup>

DIM	Driver with external dimming wires	120 120V
DRV	Driver without external dimming wires	277 277V
DA	Driver with 12V auxiliary power, without external dimming wires <sup>[19]</sup>	UNV 120-277V 347 347V <sup>[20]</sup>

### VOLTAGE

## ACCESSORIES

TPTG TOOL Tamper-resistant tool for tri-groove screws. <sup>[21]</sup>

## NOTES

- <sup>1</sup> Lumen output based on 3500 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
- <sup>2</sup> Not available with CT option.
- <sup>3</sup> Not available with CT option.
- <sup>4</sup> Not available with CT option.
- <sup>5</sup> Not available with CT option.
- <sup>6</sup> Extended lead times may apply. Consult factory for availability.
- <sup>7</sup> See page 3 for FINISH OPTIONS. Custom colors available upon request.
- <sup>8</sup> See page 4 for ADDITIONAL CONTROL OPTIONS. See page 4 for SENSOR PLACEMENT DETAILS. See page 3 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS.
- <sup>9</sup> 120V only.
- <sup>10</sup> 120V only.
- <sup>11</sup> Packaged with fixture, field installed. Requires PSBL or PSBR option.
- <sup>12</sup> 120V only.
- <sup>13</sup> 120V only.
- <sup>14</sup> 120V or 277V only. Not dimming compatible. LVC wall plate accessories available, see [hew.com](http://hew.com) for details.
- <sup>15</sup> 120V or 277V only. DIM driver only. LVC wall plate accessories available, see [hew.com](http://hew.com) for details.
- <sup>16</sup> Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- <sup>17</sup> DA Driver only.
- <sup>18</sup> See page 4 for ADDITIONAL DRIVER OPTIONS.
- <sup>19</sup> Avi-on Controls only.
- <sup>20</sup> Not available with EM batteries or Avi-on Controls.
- <sup>21</sup> Tamper-resistant tool must be ordered separately for use with tamper-resistant screws. Please specify quantity required per project.

## FIXTURE PERFORMANCE DATA

	LED PACKAGE	WATTAGE	STANDARD		CT OPTION	
			DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
2'	L20	15.9	2069	130.2	2117	133.1
	L40	32.4	4020	124.2	-	-
3'	L30	24.0	3125	130.2	3126	130.3
	L60	46.5	6092	131.1	-	-
4'	L40	30.0	4139	138.1	4118	137.3
	L80	63.3	7989	126.2	-	-
	L100	74.4	10096	135.7	-	-

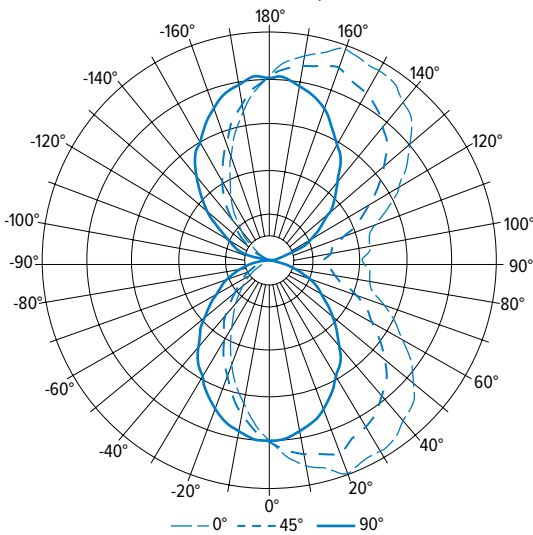
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

## 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

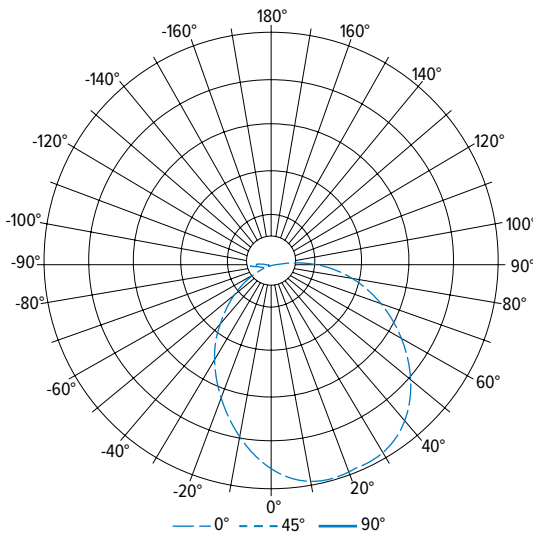
WMA-4-L40/835-AF Total Luminaire Output: 4139 lumens; 30.0 Watts | Efficacy: 138.1 lm/W | 82 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0°	45°	90°	135°	180°	
0	741	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 | 82.3 CRI; 3579K CCT

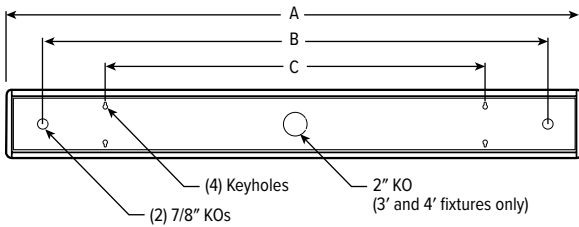


VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0°	45°	90°	135°	180°	
0	1401	1401	1401	1401	1401	
5	1507	1410	1389	1288	1345	131
15	1573	1490	1334	1152	1124	374
25	1541	1459	1187	970	881	559
35	1528	1359	1035	764	658	666
45	1373	1218	848	546	434	679
55	1226	1026	655	312	219	605
65	985	808	427	124	62	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

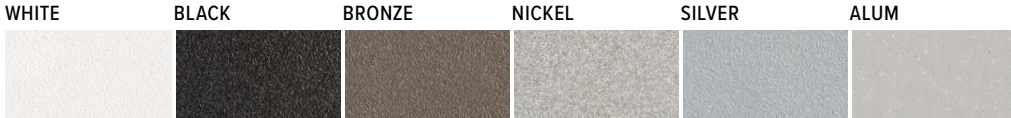
## FIXTURE DETAILS

### 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



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

## AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

### AVI-ON NETWORK FEATURES

#### Simple

- Gateway-free distributed control
- Factory pre-commissioning
- Contractor friendly installation
- Occupancy/vacancy/daylight sensing

#### Scalable

- Virtually unlimited network size
- Spans small areas to large warehouses
- Flexible control strategies

#### Secure

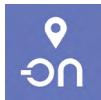
- Optional cloud connectivity
- UL IoT platinum security rating
- DLC 5.0 compliant

### DIGITAL INSTALLATION TOOLS

Avi-On mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers.



Commissioning Mobile App



Zone Scanner Web App



Commissioning Pro App

### SYSTEM COMPONENTS



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## ACCESSORIES

WALL STATIONS	
AVI-2401AC	Scene controller - numbered 1-4, 120-277VAC
AVI-2402BAT	Scene controller - numbered 1-4, battery powered
AVI-2401AC-2	Dimmer with presets - percentages, 120-277VAC
AVI-2402BAT-2	Dimmer with presets - percentages, battery powered
AVI-2401AC-3	On/off/dimming, 120-277VAC
AVI-2402BAT-3	On/off/dimming, battery powered
CONNECTIVITY	
AVI-2001RAB-01-P	Remote access bridge for projects 100 or greater
AVI-2001RAB-01-C	Remote access bridge for projects less than 100
AVI-KIT-NTM	Network time manager with Battery Backup
CEILING MOUNT SENSORS	
AVI-KIT-SEN-DUCM	PIR motion and ultrasonic sensor kit
AVI-KIT-SEN-ICM	PIR motion and photocell sensor kit

For load controllers and additional accessory info, see [hew.com/avi-on](http://hew.com/avi-on)



## SENSOR PLACEMENT DETAILS



## ADDITIONAL CONTROL OPTIONS

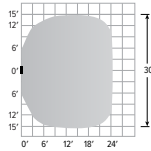
LVC and sensor option cannot be used simultaneously on 2' and 3' units.

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

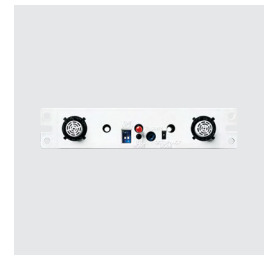
SPECIFICATIONS	
TYPE	Ultrasonic Motion
MOUNTING HEIGHT	8' – 10'
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	5 to 95%, non-condensing

### SENSOR COVERAGE PATTERN

8' height: ø27' coverage  
20° from vertical



### SENSOR DETAIL



## ADDITIONAL DRIVER OPTIONS

Note: Lumen restrictions apply, consult product builder at [hew.com/product-builder](http://hew.com/product-builder).

CATALOG NUMBER	DESCRIPTION
DRV	Driver prewired for non-dimming applications
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver 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	Dimming driver with 12V auxiliary
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver