

# ARCHITECTURAL WALL MOUNT

# WMA

**SUBMITTAL:**

**T8**

**JOB:**

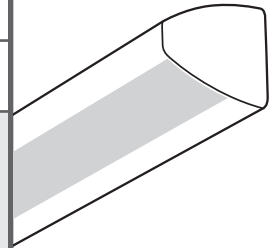
**TYPE:**

**VOLTAGE:**

EXAMPLE

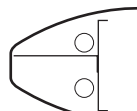
**WMA - 4 - 2 32 - A - OPTIONS - EB2 - UNV**

SERIES    NOMINAL LENGTH    TOTAL WATTAGE/LAMPS    SHIELDING    OPTIONS    BALLAST TYPE    VOLTAGE

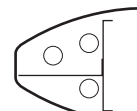


## FEATURES

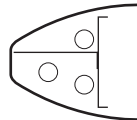
- ▶ Available in various uplight, downlight, closed-top, and divided lamp options.
- ▶ Pull switches and grounded convenience outlet options available (120V only).
- ▶ Various housing color options available, including optional anti-microbial powder coating available to prevent the spread of dangerous micro-organisms and suppress the growth of mold and bacteria.
- ▶ Tool-less access to lamps by removing front housing from fixture channel.
- ▶ Die-cast aluminum end caps.
- ▶ Keyhole mounting for easy installation.
- ▶ Tamper-resistant screws available.
- ▶ This fixture is proudly made in the USA.



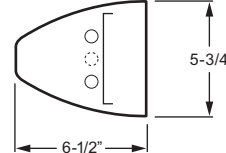
Shown with DL



Shown with DL2U



Shown with DL1U



## 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** – Acrylic, pattern #12, .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** – Electronic ballast standard, instant start T8, rated Class P.

**Mounting** – Wall.

**Labels** – UL/CUL listed as fluorescent luminaire suitable for dry or damp locations.

## ORDERING INFORMATION

### SERIES

**WMA** T8 Architectural Wall Mount

### NOMINAL LENGTH

**2** 2'  
**3** 3'  
**4** 4'

### TOTAL LAMPS

**1, 2, or 3**

### LAMP WATTAGE/TYPE

**2' LAMP OPTIONS**  
**17** 2', 17-watt T8  
**3' LAMP OPTIONS**  
**25** 3', 25-watt T8  
**4' LAMP OPTIONS**  
**32** 4', 32-watt T8

### SHIELDING

**A** Acrylic, pattern #12, .125" thick

### OPTIONS

For generic EM ballast options (must specify voltage), see Information section.

**PSR<sup>1</sup>** Single-circuit pull switch on right (120V only)<sup>1</sup>  
**PS2R** Two-circuit, 4-position pull switch on right (120V only; requires two ballasts per fixture)  
**PSL<sup>1</sup>** Single-circuit pull switch on left (120V only)<sup>1</sup>

### OPTIONS (Continued)

**PS2L** Two-circuit, 4-position pull switch on left (120V only; requires two ballasts per fixture)  
**GCOL** Grounded convenience outlet on left (120V only)  
**GCOR** Grounded convenience outlet on right (120V only)  
**DL<sup>1</sup>** Divided light with one lamp up, one lamp down (2-lamp fixture only, requires two ballasts)<sup>1</sup>  
**DL1U<sup>1</sup>** Divided light with one lamp up (3-lamp fixture only, requires two ballasts)<sup>1</sup>  
**DL2U<sup>1</sup>** Divided light with two lamps up (3-lamp fixture only, requires two ballasts)<sup>1</sup>  
**OCC** \_\_\_\_<sup>2</sup> Factory-installed occupancy sensor must be specified as follows:  
**OCCWS FS-505-FS-PP** \_\_\_\_<sup>2</sup>  
**CT** Closed-top  
**TP<sup>3</sup>** Tamper-resistant (holt head) screws<sup>3</sup>  
**AMW** Anti-microbial white finish

### BALLAST TYPE

For complete ballast offering, see Information section.  
**EB1** 1-lamp electronic ballast  
**EB2** 2-lamp electronic ballast  
**EB3** 3-lamp electronic ballast

### VOLTAGE

<b>120</b>	120V	<b>UNV</b>	120-277V
<b>277</b>	277V	<b>347</b>	347V

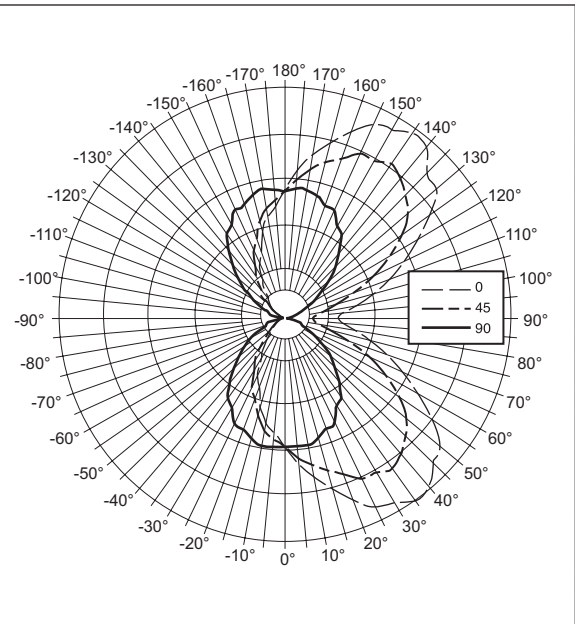
<sup>1</sup> When divided light unit is equipped with single-circuit pull switch (PSR or PSL), pull switch operates the down light.  
<sup>2</sup> Factory-installed occupancy sensor available with 120V or 277V only, must specify.  
<sup>3</sup> This option requires a tamper-resistant tool (must be ordered separately). Please specify quantity required per project.

### TEST REPORT INFORMATION

- ▶ Test Report #: 14044.0
- ▶ Date: 04/23/08
- ▶ Lamp Type: F32T8/835
- ▶ Lamp Quantity: 2

### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	45°	90°	135°	180°	
0°	656.	656.	656.	656.	656.	
5°	740.	716.	660.	621.	592.	63.8
15°	902.	806.	647.	516.	463.	188.3
25°	1070.	913.	602.	389.	320.	299.9
35°	1148.	947.	503.	256.	194.	371.9
45°	1068.	870.	369.	131.	99.	385.9
55°	923.	722.	244.	68.	54.	342.0
65°	670.	481.	131.	32.	17.	245.9
75°	454.	259.	81.	5.	6.	146.5
85°	300.	155.	23.	6.	8.	97.7
90°	276.	148.	0.	8.	11.	
95°	298.	165.	8.	3.	8.	98.7
105°	454.	273.	71.	6.	6.	150.5
115°	665.	496.	126.	29.	17.	248.7
125°	904.	728.	244.	64.	49.	342.3
135°	1028.	873.	369.	171.	110.	387.6
145°	1152.	955.	512.	244.	180.	372.1
155°	1094.	930.	607.	370.	297.	300.7
165°	941.	830.	649.	495.	436.	187.9
175°	758.	713.	662.	599.	565.	62.8
180°	654.	654.	654.	654.	654.	



### LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	552.	9.4	12.9
0 - 40	924.	15.7	21.5
0 - 60	1652.	28.0	38.5
0 - 90	2142.	36.3	49.9
90 - 120	498.	8.4	11.6
90 - 130	840.	14.2	19.6
90 - 150	1600.	27.1	37.3
90 - 180	2151.	36.5	50.1
<b>Total Luminaire:</b>			
0 - 180	4293.	72.8	100.0

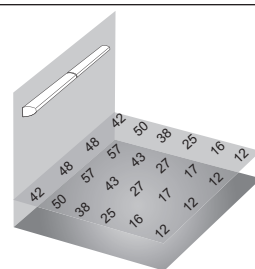
Total Luminaire Optical Efficiency: **72.8%**

### ZONAL CAVITY COEFFICIENTS

	Ceiling	.80			.70			.50		
	Wall	.70	.50	.30	.70	.50	.30	.50	.30	.10
Room Cavity Ratio	0	.78	.78	.78	.72	.72	.72	.61	.61	.61
	1	.71	.68	.65	.65	.63	.60	.53	.51	.49
	2	.65	.59	.55	.59	.55	.51	.46	.43	.41
	3	.59	.52	.47	.54	.48	.44	.41	.38	.35
	4	.54	.46	.40	.50	.43	.38	.36	.33	.29
	5	.49	.41	.35	.45	.38	.33	.32	.28	.25
	6	.45	.37	.31	.42	.34	.29	.29	.25	.22
	7	.42	.33	.27	.38	.31	.25	.26	.22	.19
	8	.39	.30	.24	.35	.27	.22	.23	.19	.16
	9	.36	.27	.21	.33	.25	.20	.21	.17	.14
	10	.33	.24	.19	.31	.23	.18	.19	.15	.13

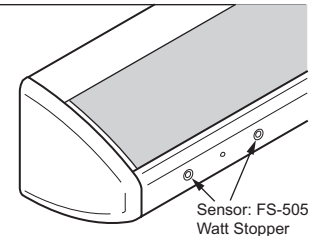
Effective Floor Cavity Reflectance = .20

### FOOTCANDLE ESTIMATOR

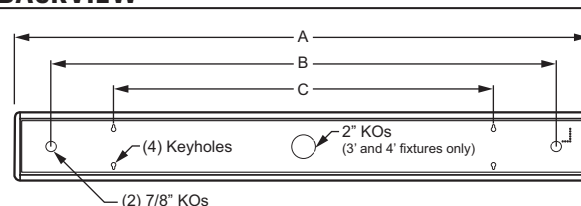


Footcandle calculations based on standard reflectance of 80/50/20 and a light loss factor of .85. Fixtures installed at 8' mounting height in 12' x 12' room with 10' ceiling. Values shown are at 36" work surface height.

### OCCUPANCY SENSOR DETAIL



### BACKVIEW



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