WMA PoE | tunable WHITE
Architectural Wall Mount

Williams

CATALOG #: _____

TYPE: _____

PROJECT: _____

5-3/4″
6-1/2″

FEATURES

- Williams turn-key Power over Ethernet (PoE) solution provides plug-and-play networked lighting and control
- Tunable white from 3000K to 5000K CCT, minimum 80 CRI
- Ambient up/down light with closed top option available
- Fully accessible without the use of tools
- Optional anti-microbial white finish and pull cord available for use in healthcare applications
- Contoured architectural housing with die-cast aluminum end caps
- Keyhole mounting for easy installation
- Optional tamper-resistant screws available
- Made Right Here® in the USA

SYSTEM REQUIREMENTS

- Lighting system (site software)
- Gateway or alternate server (runs software)
- PoE switches or Ethernet switches and mid-span power injectors
- See hew.com/poe for details

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 boards. L70 >50,000 hours per IES TM-21. Low-voltage DC fixture, to be fed by Class 2 power supply. 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 – cCSAus certified as luminaire suitable for dry or damp locations.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: WMA ‑ 4 ‑ P56/835 ‑ AF ‑ OPTIONS ‑ POE N

ORDERING INFO

SERIES	LENGTH	LUMENS [1]		CRI	CCT	SHIELDING
WMA	2 2′	**STANDARD**	**CLOSED-TOP**	8 80	27 2700K	AF Frosted acrylic, .125″ thick
	3 3′	**2′**	**2′**	9 90 [2]	30 3000K	
	4 4′	P24 2,400lm	P16 1,600lm		35 3500K	
		3′	**3′**		40 4000K	
		P17 1,700lm	P17 1,700lm		50 5000K	
		P25 2,500lm	P25 2,500lm		8TW Tunable white (80 CRI, 3000K-5000K)	
		4′	**4′**			
		P27 2,700lm	P25 2,500lm			
		P56 5,600lm				

OPTIONS [3]

EM/CP12	Remote mount 12-watt Iota emergency battery [5]
BC	Fixture prewired for bedside controls [6]
PSBR	Bottom-mounted pull switch on right [7]
PSBL	Bottom-mounted pull switch on left [8]
APCW	Anti-microbial white pull cord [9]
CT	Closed-top
TP	Tamper-resistant (holt head) screws. [10]
AMW	Anti-microbial white finish

CONTROL [4]

POE N	Power over Ethernet network node
POE D	Power over Ethernet device node [11]

VOLTAGE

120	120V
277	277V
UNV	120-277V

NOTES

1. Lumen output based on 4000 CCT. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
2. Extended lead times may apply. Consult factory for availability. Not available with Tunable White.
3. See hew.com/poe for compatible sensors and switches. See page 3 for FINISH OPTIONS.
4. For additional PoE info, see hew.com/poe

5. Requires one additional category cable run to switch. See page 3 for REMOTE MOUNT DETAILS.
6. Button functionality determined with gateway software.
7. Functionality determined with gateway software.
8. Functionality determined with gateway software.
9. Packaged with fixture, field installed. Requires PSBR or PSBL option.
10. This option requires a tamper-resistant tool, ordered separately. Please specify quantity required per project.
11. Not available for fixtures over 40W

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FIXTURE PERFORMANCE DATA

STANDARD

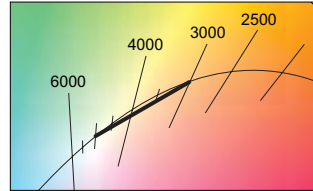|	LED PACKAGE	STANDARD			TUNABLE WHITE		
		DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2'	P24	2411	25.0	96.4	2403	25.1	95.8
3'	P17	1741	15.1	115.5	1711	16.7	102.5
	P25	2525	23.0	109.9	2534	25.4	99.6
4'	P27	2734	24.0	113.9	2715	25.1	108.2
	P56	5630	47.1	119.5	5626	50.8	110.7

CLOSED-TOP OPTION

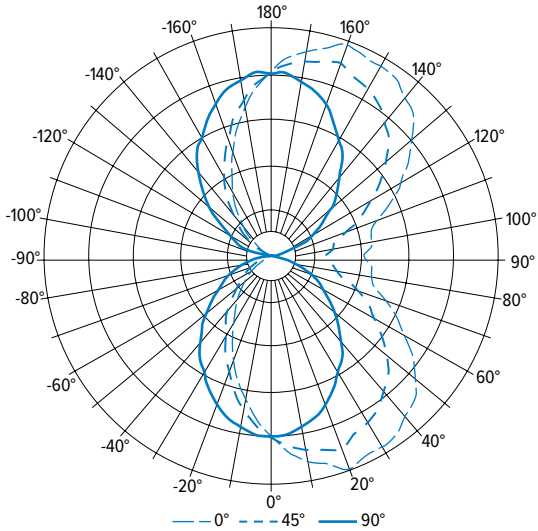|	LED PACKAGE	STANDARD			TUNABLE WHITE		
		DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2'	P16	1624	16.0	101.5	1617	17.3	93.6
3'	P17	1706	16.0	106.6	1710	16.9	101.2
	P25	2537	25.0	101.5	2508	25.3	98.6
4'	P25	2503	24.0	104.3	2534	24.6	102.9

MULTIPLIER TABLE

	COLOR TEMPERATURE		
	CCT	LUMENS	
		STANDARD	TUNABLE WHITE
80 CRI	2700K	0.97	–
	3000K	0.99	0.95
	3500K	1.00	0.98
	4000K	1.03	1.00
	5000K	1.06	0.96
90 CRI	2700K	0.80	–
	3000K	0.82	–
	3500K	0.83	–
	4000K	0.86	–
	5000K	0.89	–

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25ºC ambient temperature.
- Standard results based on 3500K standard, 80 CRI, actual lumens may vary +/-5%
- Tunable white results based on 4000K standard, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

PHOTOMETRY

WMA-4-P56/835-AF Total Luminaire Output: 5630 lumens; 47.1 Watts | Efficacy: 120 lm/W | 82.3 CRI; 3579K CCT
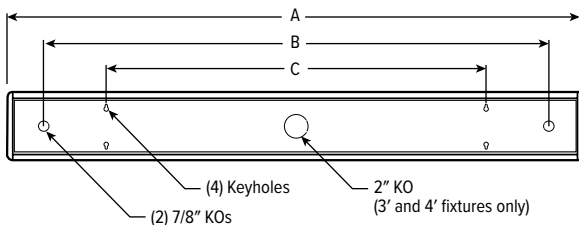

VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0°	45°	90°	135°	180°	
0	1008	1008	1008	1008	1008	
5	1101	1066	1002	955	925	95
15	1197	1115	936	789	725	268
25	1234	1101	823	603	517	393
35	1219	1046	697	441	350	460
45	1136	931	536	277	197	463
55	955	752	383	152	87	406
65	770	583	251	58	16	318
75	589	391	125	4	8	225
85	567	341	29	15	29	185
90	517	312	0	27	40	
95	563	343	30	21	34	186
105	585	396	127	4	8	225
115	765	587	252	56	14	318
125	947	757	390	155	87	406
135	1121	931	540	277	197	463
145	1209	1046	709	443	353	461
155	1224	1099	833	605	520	393
165	1193	1116	950	791	728	269
175	1099	1068	1019	961	931	96
180	1011	1011	1011	1011	1011	

CANDLEPOWER DISTRIBUTION

ZONE	LUMENS	% FIXTURE
0 - 30	756	13
0 - 40	1216	22
0 - 60	2085	37
0 - 90	2813	50
90 - 120	729	13
90 - 150	2060	37
90 - 180	2817	50
0 - 180	5630	100

LUMEN SUMMARY

FIXTURE DETAILS
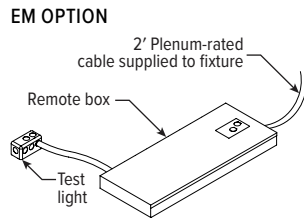
BACKVIEW

- (4) Keyholes
- 2" KO (3' and 4' fixtures only)
- (2) 7/8" KOs

	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.

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REMOTE MOUNT DETAILS

Includes 2′ plenum-rated 18ga. solid cable. Remote box can be installed in:

- Above ceiling grid
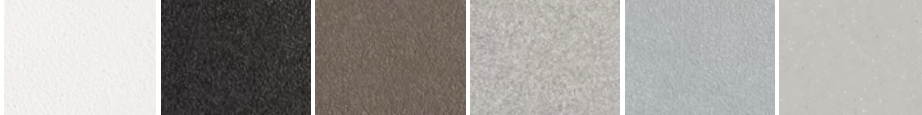- Remote closet (within 100ft)
- Surface below ceiling

EM OPTION

2′ Plenum-rated cable supplied to fixture

Remote box

Test light

FINISH OPTIONS

WHITE	BLACK	BRONZE	NICKEL	SILVER	ALUMINUM

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.

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