AVX tunable WHITE
Vandal-Resistant Wrap

Williams

CATALOG #: _____

2-7/8″
11″

TYPE: _____

PROJECT: _____

BAA & BABA COMPLIANT · ADA Compliant · IK10 Rated · WET/CC

FEATURES

- Support human-centric design with adaptive, individualized lighting using tunable white light
- IK10 rated for demanding environments
- Ideal for schools, hallways, stairwells, dormitories, locker rooms, or vandal prone areas
- Heavy-duty marine grade aluminum housing, die-cast end caps, and extremely durable impact-resistant polycarbonate lens add strength and durability
- Tamper-resistant #8 snake eye screws provided to protect against vandals
- Optional occupancy sensor available for use in stairwells and low traffic areas
- Designed for surface, wall, pendant, or vandal-resistant corner mount
- ADA compliant in wall mount applications
- Features easy row mount capability with integral alignment pieces
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING – Marine grade aluminum. Extruded housing with die-cast end caps.
- SHIELDING – UV stabilized polycarbonate lens, .150″ thick with .040″matte white acrylic underlay to minimize pixelation.
- REFLECTIVE SURFACES – 92% minimum average reflective white powder coat on interior components.
- 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 – Surface (ceiling or wall) or suspended (hanging hardware required).
- LISTINGS –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - Suitable for wet location under covered ceiling with WET/CC option.
  - ADA compliant in wall mount applications.
  - IK10 rated
  - 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: AVX - 4 - L62/8TW - CPC - OPTIONS - CONTROL/DALI - UNV

SERIES	LENGTH	LUMENS [1]		CRI	CCT		SHIELDING [2]	
AVX	2 2′	2′		8 80	TW	Tunable white (3000K–5000K)	CPC	Clear, UV stabilized polycarbonate, .150″ thick
	4 4′	L31	3,100lm	9 90	TW2	Tunable white (2700K-6500K)	WPC	White, UV stabilized polycarbonate, .150″ thick
	8 8′ [3]	4′						
		L30	3,000lm					
		L62	6,200lm					
		8′						
		L60	6,000lm					
		L125	12,500lm					

OPTIONS [4]

See page 3 for FINISH OPTIONS.

EM/10WLP	Low profile 10-watt emergency battery [5]
EM/10WRM	Remote mount 10-watt emergency battery
EM/10WRM/RTS	Remote mount 10-watt emergency battery with regressed test switch
(L__)	Additional lower lumen packages available. [6] **Example:** 5,500 nominal lumens = AVX-4-L62/8TW-(L55).
WET/CC	Wet location under covered ceiling [7]

AVX-4 CMB   4′, vandal-resistant corner mount

MOUNTING (EXAMPLE: AC(Y12)/D48) [8]
ADJUSTABLE AIRCRAFT CABLE [9]

Prefix	Type		Length	
AC(Y12)/	D	1″ grid & hardpan	24	24″
	N	9/16″ grid	48	48″
	S	Slot grid	96	96″

PENDANT MOUNT [10]
SWS(AVX)12	Pendant swivel stem mount with 12″ stem
SS(AVX)12	Pendant stem mount with 12″ stem

CONTROL [11]

See page 4 for ADDITIONAL CONTROL OPTIONS.

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

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). [13]
LD2	Lutron DALI-2 digital driver, 1%

VOLTAGE

120	120V
277	277V
UNV	120-277V

ACCESSORIES

TPSN-8 TOOL   #8, tamper-resistant snake eyes tool. [14]

NOTES

1. Lumens based on CPC shielding, 80 CRI/4000K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see options.
2. See page 3 for SHIELDING DETAILS.
3. Two 4′ units end-to-end.
4. Remote EM batteries: max remote distance 50′, including suspension length. 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.
5. 4′ and 8′ only.
6. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
7. Not available with AVX-4 CMB corner mount, occupancy sensors, or suspended mounting hardware.
8. Required with suspended mount fixtures.
9. Units specified with ACF(Y12)__ require cord. See page 3 for MOUNTING DETAILS.
10. Two stem sets required for 2′ and 4′ fixtures; three stem sets required for 8′. One additional stem set required for each 4′ length when row mounted.
11. See page 4 for SENSOR PLACEMENT DETAILS.
12. DSR and LD2 Drivers only.
13. Lutron Athena Controls only.
14. Tamper-resistant tool must be ordered separately. Please specify quantity required per project.

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FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS		WATTAGE	EFFICACY (lm/W)	
		CLEAR (CPC)	WHITE (WPC)		CLEAR (CPC)	WHITE (WPC)
2'	L31	3190	2201	30	106	73
4'	L30	3043	2100	29	107	74
4'	L62	6261	4320	59	107	74
8'	L60	6085	4199	57	107	74
8'	L125	12522	8640	118	107	74

- Photometrics tested in accordance with IESNA LM-79. Results based on CPC shielding, 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		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
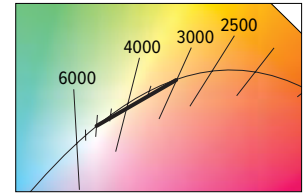
TW2
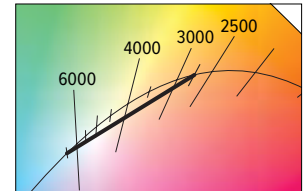
PHOTOMETRY

AVX-4-L62/8TW-CPC-DALI Total Luminaire Output: 6261 lumens; 59 Watts | Efficacy: 106 lm/W | 82.8 CRI; 4060K CCT
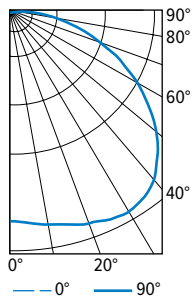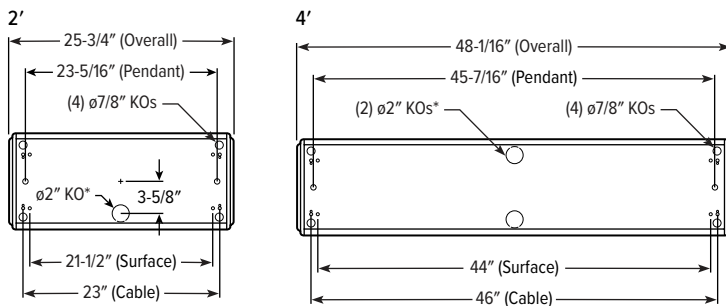
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1897	1897	1897	
5	1902	1898	1915	182
15	1772	1906	2005	536
25	1547	1857	2083	845
35	1267	1726	2081	1062
45	978	1502	1888	1125
55	704	1202	1541	1026
65	430	861	1100	788
75	145	488	656	466
85	13	187	294	187
90	0	86	162	

CANDLEPOWER DISTRIBUTION

— 0°   —— 90°

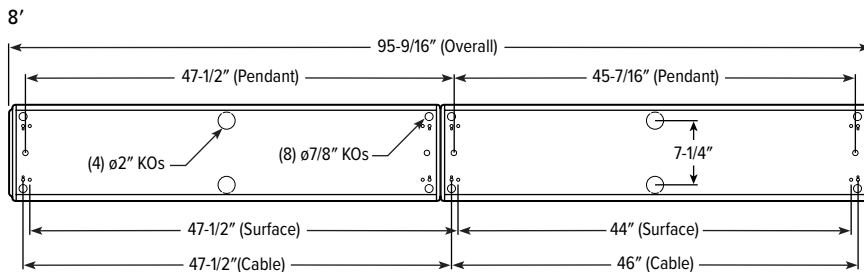| ZONE	LUMENS	% FIXTURE
0 - 30	1562	25
0 - 40	2624	42
0 - 60	4775	76
0 - 90	6217	99
0 - 180	6261	100

LUMEN SUMMARY

FIXTURE DETAILS

See hew.com/power-entry for power entry details.

BACKVIEW

2'
- 25-3/4" (Overall)
- 23-5/16" (Pendant)
- (4) ø7/8" KOs
- ø2" KO*
- 3-5/8"
- 21-1/2" (Surface)
- 23" (Cable)

4'
- 48-1/16" (Overall)
- 45-7/16" (Pendant)
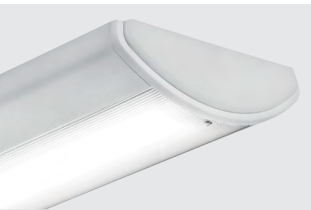- (2) ø2" KOs*
- (4) ø7/8" KOs
- 44" (Surface)
- 46" (Cable)

- For continuous row applications, subtract 7/8" from overall dimension for every additional fixture per row.
- 2" KOs not available with 2' fixture when specified with EM battery.
- 4' fixture may only have (1) 2" KO when specified with occupancy sensor.

8'
- 95-9/16" (Overall)
- 47-1/2" (Pendant)
- 45-7/16" (Pendant)
- (4) ø2" KOs
- (8) ø7/8" KOs
- 7-1/4"
- 47-1/2" (Surface)
- 44" (Surface)
- 47-1/2" (Cable)
- 46" (Cable)

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SHIELDING DETAILS

CPC

WPC

MOUNTING DETAILS

STANDARD HARDWARE FOR SUSPENDED PRODUCT (Grid and Hardpan)

Feeder/Stand-Alone   Joiner
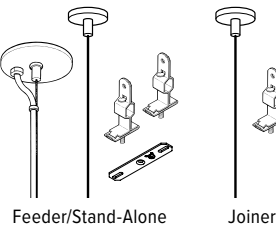
Notes:

- Fixtures specified with suspended mounting type are provided with adjustable length aircraft cables with two-point "Y" connectors and mounting hardware, must specify.
- Electrical supply is brought into the feeder fixture, either as part of a row or as a stand-alone unit. Joiner fixtures complete the row.
- The feeder kits are standard with a 5″ canopy to cover the junction box and a 2″ canopy at the non-feed point. No J-box is required at non-feed points.

CORD FOR SUSPENDED PRODUCT

Units specified with aircraft cable require cord. Please specify cord type using ordering information below. Long fixture rows may require multiple feed points based on 18ga conductor size.
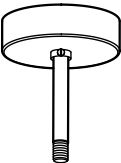
EXAMPLE: S2438D/W				
CORD TYPE	**LENGTH**	**# OF COND.** [1]	**WIRE SIZE**	**COLOR**
S	**24** 24″ **48** 48″ **96** 96″	3 4 5 6	**8D** 18ga	**/W** White **/B** Black

1 Includes (2) 22ga purple & pink dimming conductors

CORNER MOUNT

7-5/8″

7-5/8″

SS(AVX)12

SWS(AVX)12

Up to 45° swivel
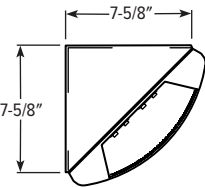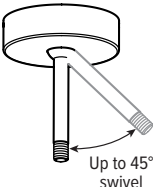
REMOTE MOUNT BATTERY DETAILS

EM/10WRM/RTS

EM/10WRM

Max remote distance is 50′, connection by others.

Large remote box
9″ x 24″ x 2″

Fixture
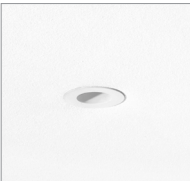
Test switch

Regressed test switch
ø1-3/4″

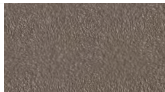Standard test switch
2-3/4″ x 4-1/2″
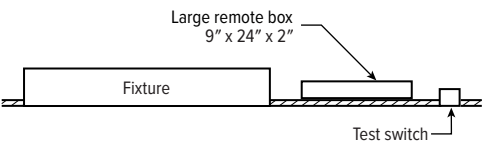
FINISH OPTIONS
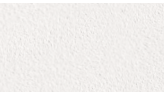
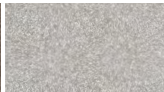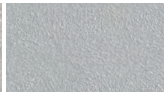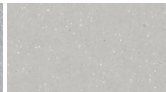WHITE   BLACK   BRONZE   NICKEL   SILVER   ALUM
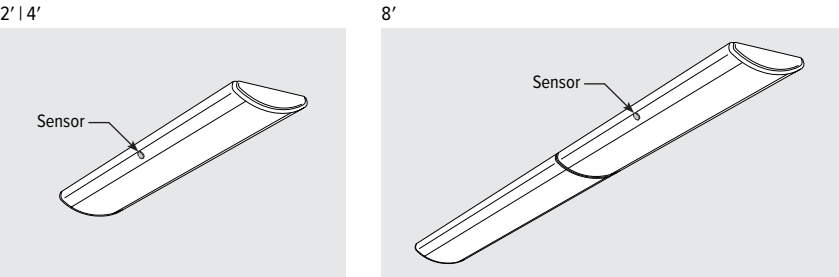
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require four sample swatches, minimum 1″ square.

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SENSOR PLACEMENT DETAILS

2' | 4'
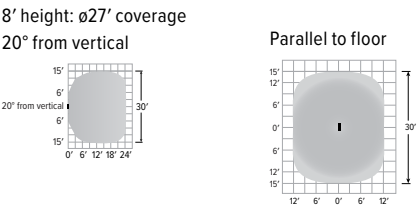

Sensor

8'

Sensor

ADDITIONAL CONTROL OPTIONS

Not available with EM battery in 2' 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 PATTERNS

8' height: ø27' coverage

20° from vertical

Parallel to floor

SENSOR DETAIL
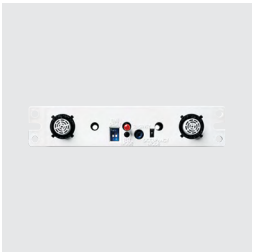
OCCLV-OSF10-I0W-___ Leviton PIR motion sensor. Must specify voltage: 120 or 277. Factory-installed.

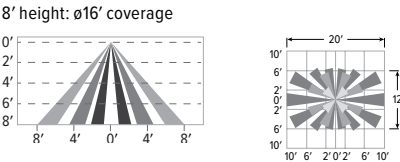| SPECIFICATIONS	
TYPE	PIR Motion
MOUNTING HEIGHT	8'
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	20% to 90% non-condensing

SENSOR COVERAGE PATTERNS

8' height: ø16' coverage

SENSOR DETAIL

DRIVER DETAILS

DIM

DIM (Int) +
DIM (CCT) +
DIM -
Fixture 1

DALI

DALI +
DALI -
Fixture 1

DMX

RJ45 Ports (IN/OUT)
Fixture (Master)

LD2

DA +
DA -
Fixture 1

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