ARCHITECTURAL VANDAL WRAP

AVX

T5 | T8

CATALOG #:	TYPE:
PROJECT:	NOTES:

EXAMPLE **AVX** - **4** - **2 32** - **CPC** - **OPTIONS** - **EB2** - **UNV**

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

CROSS SECTION

2-7/8"

11"
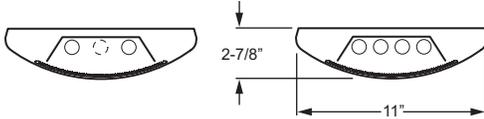
Please Note: 3-lamp 54T5H cross-section fixtures are equipped with 90ºC rated ballasts only. (90C references ballast case temperature, not ambient temperature.) Amalgam lamps are recommended to achieve optimum light output.

FEATURES

► 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.

► Dimming and step-dimming ballast options available.

► Features easy row mount capability with integral alignment pieces.

► This fixture is proudly made in the USA.

ORDERING INFORMATION

SERIES

AVX	Architectural Vandal Wrap

NOMINAL LENGTH

2	2'
3	3'
4	4'
6	6' (two 3' units end-to-end)
8	8' (two 4' units end-to-end)

TOTAL LAMPS

1, 2, 3, 4, 6, or 8	(1-, 2-, 3-, or 4-lamp cross-section)

LAMP WATTAGE/TYPE

2' LAMP OPTIONS:
14T5S	2', 14-watt T5 (1- or 2-lamp ballast[s] only)
17	2', 17-watt T8
24T5H	2', 24-watt T5HO

3' & 6' LAMP OPTIONS:
21T5S	3', 21-watt T5 (1- or 2-lamp ballast[s] only)
25	3', 25-watt T8
39T5H	3', 39-watt T5HO

4' & 8' LAMP OPTIONS:
28T5S	4', 28-watt T5 (1- or 2-lamp ballast[s] only)
32	4', 32-watt T8
54T5H[1]	4', 54-watt T5HO (3-lamp cross-section max.)[1]

SHIELDING

CPC	Clear, UV stabilized polycarbonate, .150" thick
WPC	White, UV stabilized polycarbonate, .150" thick

OPTIONS

EM ballast options must be low profile (must specify voltage), see Technical Info. Not available with generic EM ballast options. Ballast size restrictions apply. Consult factory.

See Technical Info for quick-connect and color options.

OCCUPANCY SENSOR Factory-installed (120V or 277V only)
Passive Infrared (PIR):
OCCLV OSF10-I0W	Occupancy sensor

Ultrasonic:
OCCWS FS-505-PP-___	Occupancy sensor with power pack (120V or 277V only, must specify voltage)

ACCESSORIES (Must be ordered separately)

See Technical Info for mounting accessories details.
TPSN-8	#8, tamper-resistant (snake eyes) tool[2]
SWS(AV)12	Pendant swivel stem mount with 12" stem[3]
SS(AV)12	Pendant stem mount with 12" stem[3]
AVX-4 CMB	4', vandal-resistant corner mount

Units specified with ACF(Y12)__ options (below) **require cord**. Please specify cord type using ordering example on page 22C.

ACF(Y12)24	24" adjustable Y aircraft cable with canopies
ACF(Y12)48	48" adjustable Y aircraft cable with canopies
ACF(Y12)96	96" adjustable Y aircraft cable with canopies

BALLAST TYPE

See Technical Info for complete ballast offering. Ballast size restrictions apply. Consult factory.
EB4	4-lamp electronic ballast
EB2/1*UT*90C	(1) 2-lamp & (1) 1-lamp electronic ballast[1]

VOLTAGE

120	120V
277	277V
UNV	120-277V
347	347V

[1] 3-lamp 54T5H cross-section fixtures are equipped with 90ºC rated ballasts only.

[2] Tamper-resistant (TPSN-8) tool must be ordered separately. Please specify quantity required per project.

[3] Two stem sets required for 2', 3', and 4' fixture; three stem sets for 6' and 8'. One additional stem set required for each 4' length when row mounted.

SPECIFICATIONS

Housing – Marine grade aluminum. Extruded housing with die-cast end caps.
Shielding – UV stabilized polycarbonate lens, .150" thick.
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.
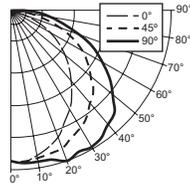**Electrical** – Electronic ballast standard, instant start T8, program start T5, rated Class P.
Mounting – Surface or wall. Suspended (hanging hardware required).
Labels – UL/CUL listed as fluorescent luminaire suitable for dry or damp locations.

PHOTOMETRY

Catalog #: **AVX-4-232-CPC**

TEST REPORT INFORMATION

► Test Report #: 17675.0
► Date: 10/29/13
► Lamp Type: F32T8/835
► Lamp Quantity: 2

ZONAL CAVITY COEFFICIENTS

Ceiling		.80			.70			.50	
Wall	**.70**	**.50**	**.30**	**.70**	**.50**	**.30**	**.50**	**.30**	**.10**
0	.78	.78	.78	.76	.76	.76	.72	.72	.72
1	.71	.68	.65	.69	.66	.64	.63	.61	.59
2	.65	.59	.55	.63	.58	.54	.56	.52	.49
3	.59	.52	.47	.57	.51	.46	.49	.45	.44
4	.54	.46	.40	.52	.45	.40	.44	.39	.35
5	.49	.41	.35	.48	.40	.34	.38	.34	.30
6	.45	.36	.30	.44	.36	.30	.34	.29	.26
7	.41	.32	.27	.40	.32	.26	.31	.26	.22
8	.38	.29	.23	.37	.29	.23	.28	.23	.19
9	.35	.26	.20	.34	.26	.20	.25	.20	.16
10	.33	.24	.18	.32	.23	.18	.22	.18	.14

Room Cavity Ratio

Effective Floor Cavity Reflectance = .20

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0º	**45º**	**90º**	
0	1176.	1176.	1176.	
5	1183.	1186.	1195.	113.4
15	1098.	1151.	1209.	326.7
25	967.	1093.	1220.	505.4
35	829.	1022.	1217.	639.7
45	637.	904.	1135.	684.2
55	455.	732.	938.	627.7
65	280.	545.	719.	503.4
75	107.	306.	443.	298.3
85	18.	119.	229.	128.9
90	3.	54.	127.	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	945.	16.0	24.5
0 - 40	1585.	26.9	41.1
0 - 60	2897.	49.1	75.2
0 - 90	3828.	64.9	99.3
Total Luminaire:			
0 - 180	3855.	65.3	100.0

Total Luminaire Optical Efficiency: 65.3%
Spacing Criteria: Across: 1.6
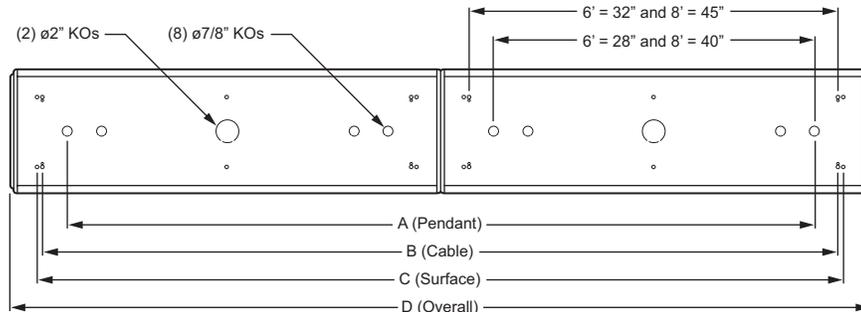 Diagonal: 1.3
  End: 1.1

FIXTURE DETAIL

BACK VIEW – 2', 3', and 4'

ø2" KO   (4) ø7/8" KOs

A (Pendant)
B (Cable)
C (Surface)
D (Overall)
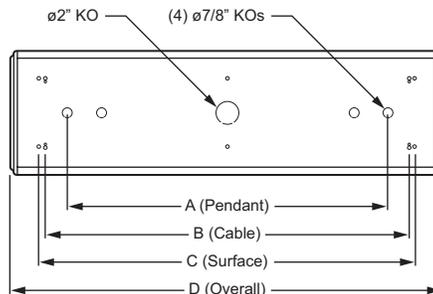
	Actual Lengths				
Dimension Types	**2' Unit**	**3' Unit**	**4' Unit**	**6' Unit**	**8' Unit**
A (Pendant)	18"	28"	40"	65-1/8"	89-1/8"
B (Cable)	21"	32"	45"	69-1/8"	94-1/8"
C (Surface)	22"	33"	46"	70-1/8"	95-1/8"
D (Overall)	25-11/16"	37-11/16"	49-11/16"	74-13/16"	98-13/16"

For continuous row applications, subtract 7/8" from dimension "A" for every additional fixture per row.
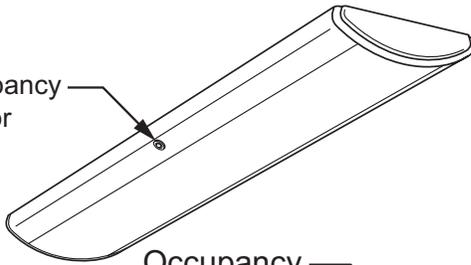
BACK VIEW – 6' and 8'

(2) ø2" KOs   (8) ø7/8" KOs
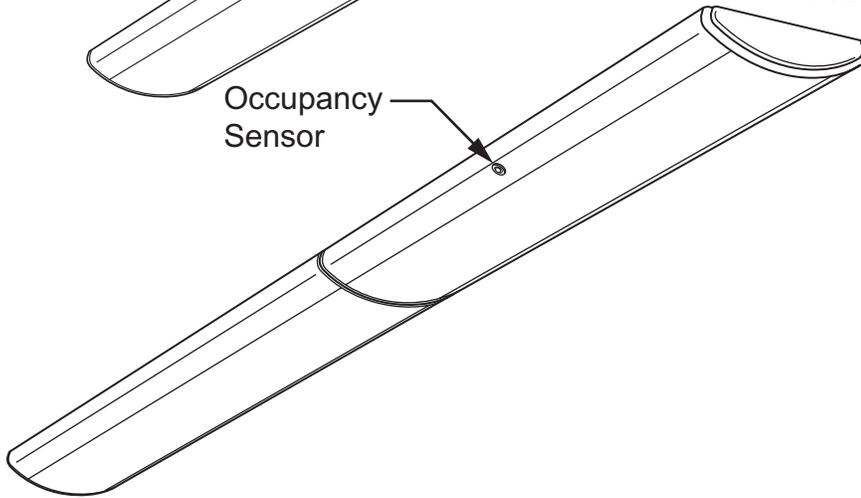
6' = 32" and 8' = 45"
6' = 28" and 8' = 40"

A (Pendant)
B (Cable)
C (Surface)
D (Overall)

Williams
H.E. WILLIAMS, INC.

H.E. Williams, Inc. ■ Carthage, Missouri ■ www.hew.com ■ 417-358-4065
Information contained herein is subject to change without notice.
HEW70428MS REV.07/26/18

OCCUPANCY SENSOR DETAILS

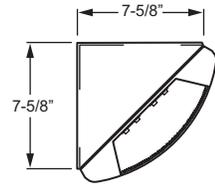**4' UNIT**

Occupancy Sensor

8' UNIT

Occupancy Sensor

CORNER MOUNT BRACKET

7-5/8"

7-5/8"

CORD FOR SUSPENDED PRODUCT

Units specified with ACF(Y12)___ require cord. Please specify cord type using ordering information below.

Example:

S 24 3 8 / W

| CORD TYPE | L. | # OF COND. | WIRE SIZE | COLOR |

Select cord option from list below. All cords are available in white (/W) or black (/B).

24" Cord
S2438/_
S2448/_
S2458/_
48" Cord
S4838/_
S4848/_
S4858/_
96" Cord
S9638/_
S9648/_
S9658/_