

CATALOG #: \_\_\_\_\_

TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_

**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
- Efficacies up to 122 lm/W
- 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
- 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
- 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](http://hew.com/poe) for details

**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. 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** – Surface (ceiling or wall). Suspended (hanging hardware required).
- LISTINGS** – cCSAus certified as luminaire suitable for dry or damp locations.
- WARRANTY** – 5-year limited warranty, see [hew.com/warranty](http://hew.com/warranty).

**ORDERING EXAMPLE: AVX - 4 - P53/835 - CPC - OPTIONS - POE N**

SERIES	LENGTH	LUMENS <sup>[1]</sup>	CRI	CCT	SHIELDING
AVX	2 2'	2'	8 80	27 2700K	<b>CPC</b> Clear, UV stabilized polycarbonate, .150" thick
	4 4'	<b>P24</b> 2,400lm	9 90 <sup>[3]</sup>	30 3000K	<b>WPC</b> White, UV stabilized polycarbonate, .150" thick
	8 8' <sup>[2]</sup>	<b>P25</b> 2,500lm		35 3500K	
		<b>P53</b> 5,300lm		40 4000K	
		<b>8'</b>		50 5000K	
		<b>P50</b> 5,000lm		<b>8TW</b> Tunable white (80 CRI, 3000K–5000K)	
		<b>P108</b> 10,800lm			

**OPTIONS <sup>[4]</sup>**

- EM/CP12** Remote mount 12-watt Iota emergency LED battery <sup>[6]</sup>
- TPSN-8** #8, tamper-resistant (snake eyes) tool <sup>[7]</sup>
- AVX-4 CMB** 4', vandal-resistant corner mount <sup>[8]</sup>

**CONTROL <sup>[5]</sup>**

- POE N** Power over Ethernet network node
- POE D** Power over Ethernet device node

**MOUNTING (EXAMPLE: AC(Y12)/D48) <sup>[9]</sup>**

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

**NOTES**

- Nominal lumen output based on CPC shielding and 3500 for single CCT and 4000 for TW. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- Two 4' units end-to-end.
- Extended lead times may apply. Consult factory for availability. Not available with tunable white.
- See page 3 for FINISH OPTIONS. See [hew.com/poe](http://hew.com/poe) for compatible sensors and switches.
- For additional PoE info, see [hew.com/poe](http://hew.com/poe). 4' fixture requires remote mounting. See page 3 for REMOTE MOUNT DETAILS.
- Requires one additional category cable run to switch.
- Tamper resistant (TPSN-8) tool must be ordered separately. Please specify quantity required per project.
- See page 3 for CORNER MOUNT DETAILS.
- Required with suspended mount fixtures. Units specified with aircraft cable require power supply cable. See page 3 for POWER SUPPLY FOR SUSPENDED PRODUCT.



## FIXTURE PERFORMANCE DATA

### STANDARD

	LED PACKAGE	DELIVERED LUMENS		WATTAGE	EFFICACY (lm/W)	
		CLEAR (CPC)	WHITE (WPC)		CLEAR (CPC)	WHITE (WPC)
2'	P24	2444	1686	21	115	79
	P25	2518	1737	22	115	80
4'	P53	5319	3670	44	121	84
	P50	5036	3475	41	122	84
8'	P108 <sup>1</sup>	10822	7467	90	121	83

<sup>1</sup> Fixture contains two nodes, one power drop per node required.

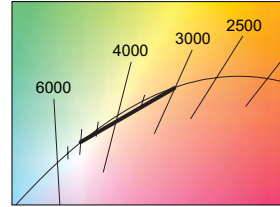
### TUNABLE WHITE

	LED PACKAGE	DELIVERED LUMENS		WATTAGE	EFFICACY (lm/W)	
		CLEAR (CPC)	WHITE (WPC)		CLEAR (CPC)	WHITE (WPC)
2'	P24	2438	1682	24	104	71
	P25	2503	1727	22	112	78
4'	P53	5326	3675	50	108	74
	P50	5006	3454	42	119	82
8'	P108 <sup>1</sup>	10812	7460	101	107	74

### MULTIPLIER TABLE

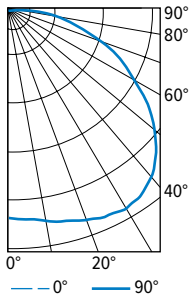
	COLOR TEMPERATURE		
	CCT	CONVERSION FACTOR	
		STANDARD	TUNABLE WHITE
80 CRI	2700K	0.97	-
	3000K	0.99	0.95
	3500K	1.00	0.98
	4000K	1.03	1.00
	5000K	1.06	0.96
90 CRI	2700K	0.80	-
	3000K	0.82	-
	3500K	0.83	-
	4000K	0.86	-
	4000K	0.89	-

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C 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

AVX-4-P53/835-CPC Total Luminaire Output: 5319 lumens; 44 Watts | Efficacy: 121 lm/W | 83.6 CRI; 3500K CCT

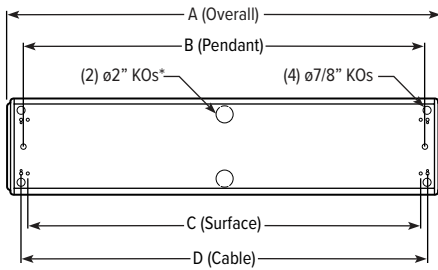


VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1612	1612	1612	
5	1616	1612	1627	154
15	1506	1619	1703	455
25	1314	1578	1770	718
35	1076	1466	1768	902
45	831	1276	1604	956
55	598	1021	1309	872
65	366	732	935	670
75	123	415	557	396
85	11	159	250	159
90	0	73	138	

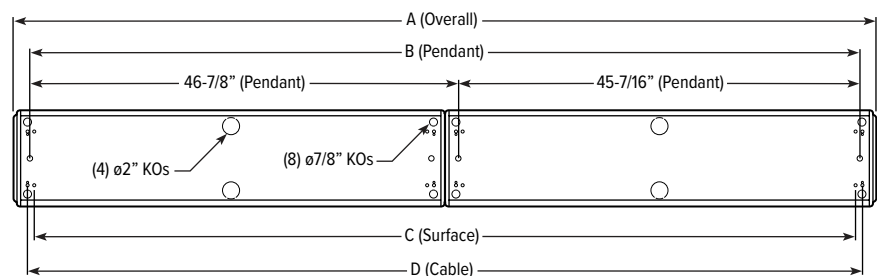
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1327	25
	0 - 40	2229	42
	0 - 60	4057	76
	0 - 90	5282	99
	0 - 180	5319	100

### FIXTURE DETAILS

#### BACK VIEW – 2' | 4'



#### BACK VIEW – 8'

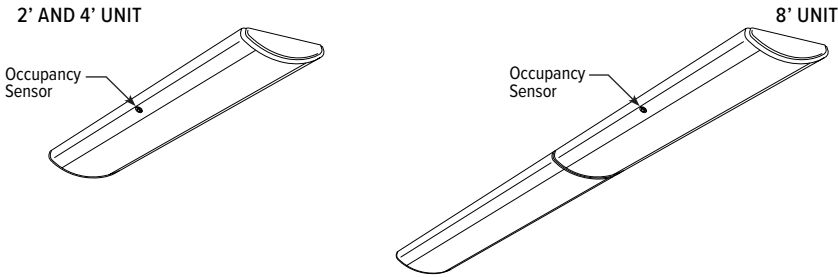


DIMENSION TYPES	ACTUAL LENGTH		
	2'	4'	8'
A (Overall)	25-3/4"	48-1/16"	95-9/16"
B (Pendant)	23-1/4"	45-7/16"	92-5/16"
C (Surface)	21-1/2"	44"	91-1/2"
D (Cable)	23"	46"	93-1/2"

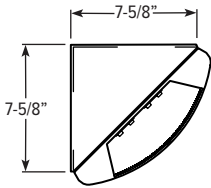
\* 2" KOs not available in 2' fixture length with EM option.



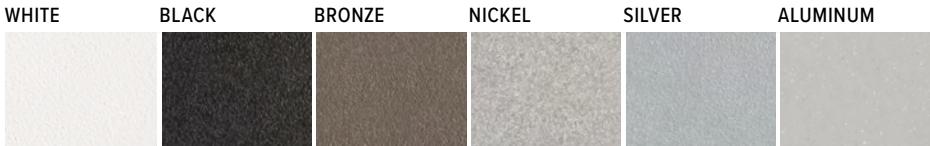
**OCCUPANCY SENSOR DETAILS**



**CORNER MOUNT DETAILS**



**FINISH OPTIONS**

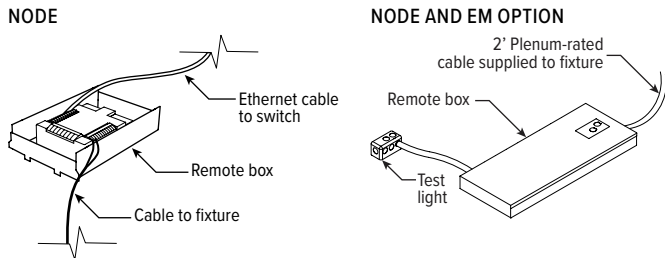


For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require two sample swatches, minimum 1" square.

**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



**POWER SUPPLY FOR SUSPENDED PRODUCT**

Required for aircraft cable mounted fixtures. Please specify cord type using ordering information below.

EXAMPLE: P24/W		
CORD TYPE	LENGTH	COLOR
P PoE	24 24"	/W White /B Black
	48 48"	
	96 96"	

