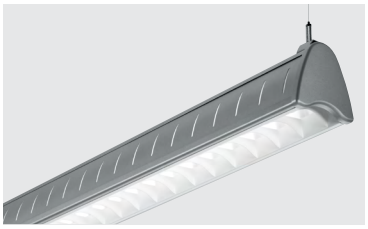
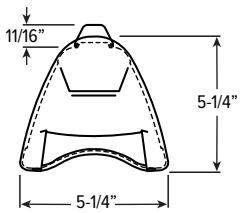
AXA PoE | tunable WHITE
Architectural Contoured Louver





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 112 lm/W
- Contoured housing, end caps and louver provide an attractive source of direct lighting
- Design elements on side panels add interest while producing subtle uplight
- Moveable mounting hardware slides easily along the length of the fixture providing variable mounting points
- Heavy-duty construction features extruded aluminum housing and die-cast end caps
- Contoured aluminum louvers improve aesthetics while shielding LEDs from view
- White louver finish improves fixture efficiency
- This fixture is proudly made 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 – Extruded aluminum with die-cast end caps.
- SHIELDING – Highly reflective white curved baffle louver with matte white acrylic overlay.
- 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 – Suspended. 1/16" diameter x 24" adjustable steel leveling aircraft cable and mounting hardware necessary for grid ceiling applications provided.
- LABELS – cCSAus certified as luminaire suitable for dry or damp locations.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: AXA - 4 - P14/835 - LVRS - AC/D48 - OPTIONS - POE N

ORDERING INFO

SERIES
AXA

NOMINAL LENGTH
Stand-alone: 4' & 8' nominal lengths, fixture ships assembled
Example: 4 = 4'

Row-mount: Lengths specified in 4' increments
Example: 12 = 12'

Product Builder
Simplify ordering & layout design with the Williams Linear Product Builder at hew.com

LUMENS [1]
P7 700
P14 1,400

CRI
8 80

CCT
27 2700K
30 3000K
35 3500K
40 4000K
50 5000K
TW Tunable white (80 CRI, 3000K–5000K)

SHIELDING [2]
LVRS Slotted uplight (3%)
LVRD Linear dot uplight (3%)
LVRC Closed side panels

MOUNTING (EXAMPLE: AC/D48) [3]

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

OPTIONS [4]
EM/CP12 Remote mount 12-watt Iota emergency battery [6]

CONTROL [5]
POE N Power over Ethernet network node
POE D Power over Ethernet device node [7]

NOTES

1. Nominal lumens per foot output based on 3500K for single CCT and 4000K for TW. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
2. See page 3 for FIXTURE STYLES.
3. See page 3 for MOUNTING DETAILS
4. See page 3 for FINISH OPTIONS. See hew.com/poe for compatible sensors and switches.
5. For additional PoE info, see hew.com/poe. Node requires remote mounting, see page 3 for REMOTE MOUNT DETAILS.
6. Requires one additional category cable run to switch, see page 3 for REMOTE MOUNT DETAILS.
7. Not available for fixtures over 40W.

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FIXTURE PERFORMANCE DATA

STANDARD

	LED PACKAGE/FOOT	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
4'	P7	2727	23.0	118.8
	P14	5414	47.7	113.6
8'	P7	5417	47.4	114.2
	P14[1]	10828	95.3	113.6

TUNABLE WHITE

	LED PACKAGE/FOOT	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
4'	P7	2737	24.8	110.5
	P14	5396	47.9	112.6
8'	P7	5403	48.1	112.5
	P14[1]	10793	95.8	112.6

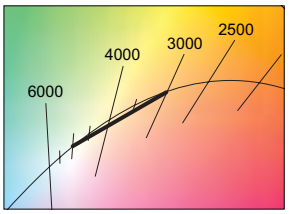
[1] Fixture contains two nodes, one power drop per node required.

MULTIPLIER TABLES

STANDARD	
COLOR TEMPERATURE	
CCT	CONVERSION FACTOR
2700K	0.97
3000K	0.99
3500K	1.00
4000K	1.03
5000K	1.06

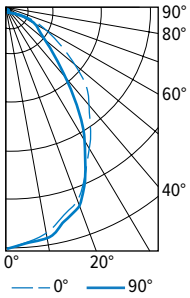
TUNABLE WHITE	
COLOR TEMPERATURE	
CCT	CONVERSION FACTOR
3000K	0.95
3500K	0.98
4000K	1.00
5000K	0.96

- 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 tables to calculate additional options.



PHOTOMETRY

AXA-4-P14/835-LVRS-DIM-UNV Total Luminaire Output: 5507 lumens; 49 Watts | Efficacy: 112 lm/W



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	45°	90°	ZONAL LUMENS
	0	3060	3060	3060	
	5	2971	2976	2992	283
	15	2720	2739	2795	778
	25	2317	2297	2324	1061
	35	1838	1713	1584	1066
	45	1440	1181	907	896
	55	915	646	535	624
	65	506	375	371	402
	75	215	193	183	213
	85	63	57	58	68
	90	6	12	15	
	95	1	10	14	11
	105	2	11	15	11
	115	6	15	17	14
	125	12	21	23	18
	135	14	23	24	18
	145	23	28	28	17
	155	28	33	31	15
	165	30	35	35	9
	175	31	31	30	3
	180	30	30	30	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	2123	39
	0 - 40	3189	58
	0 - 60	4709	86
	0 - 90	5392	98
	90 - 130	36	1
	90 - 150	89	2
	90 - 180	116	2
	0 - 180	5507	100

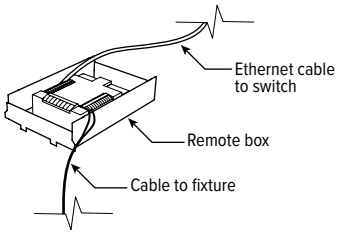
REMOTE MOUNT DETAILS

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

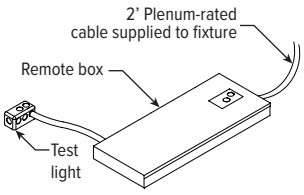
- Above ceiling grid
- Remote closet (within 100ft)
- Surface below ceiling

See Technical Info for dimension details.

NODE

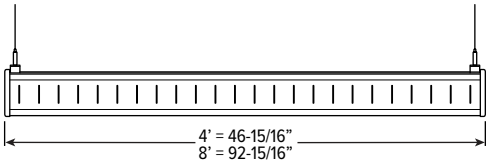


NODE AND EM OPTION



FIXTURE DETAILS

SIDE VIEW



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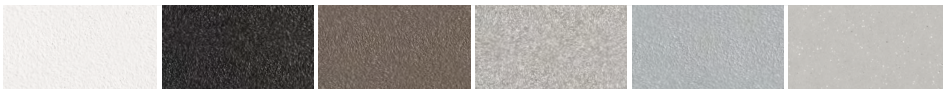
FINISH OPTIONS

WHITE | BLACK | BRONZE | NICKEL | SILVER | ALUMINUM



FIXTURE STYLES

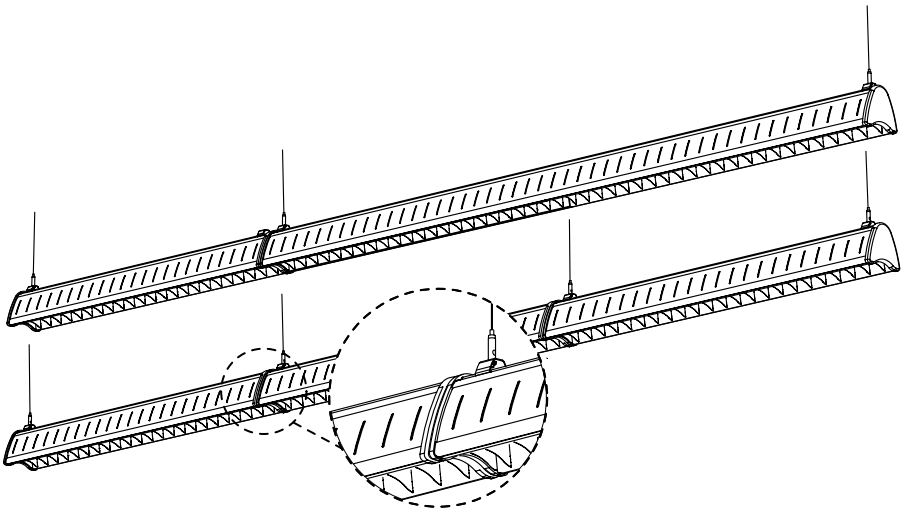
LVRS

LVRD

LVRC

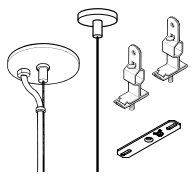
CONTINUOUS ROW FIXTURES

When row mounting fixtures, joint between fixtures will be visible at 4' and 8' intervals depending on fixture length.



MOUNTING DETAILS

STANDARD HARDWARE (Grid & Hardpan)



- Fixtures are provided with adjustable length aircraft cables 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. One power drop per node required.

AIRCRAFT CABLE

Mounting brackets can be positioned anywhere along the length of the fixture housing. It is recommended to locate mounting brackets no more than 8" away from the end plates of the fixture.