AXA tunable WHITE
Architectural Contoured Louver

Williams

11/16″
5-1/4″
5-1/4″

CATALOG #: _____

TYPE: _____

PROJECT: _____

BUY AMERICAN ACT COMPLIANT

FEATURES

- Support human-centric design with adaptive, individualized lighting using tunable white light
- Contoured housing, end caps and louver provide an attractive source of direct lighting
- Efficacies up to 102 lm/W
- 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
- Made Right Here® in the USA

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. 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.
- LISTINGS –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: AXA - 4 - L14/8TW - LVRS - AC/D48 - OPTIONS - DIM - UNV

ORDERING INFO

SERIES	NOMINAL LENGTH	LUMENS [1]		CRI		CCT	
AXA	**Stand-alone:** 4′ & 8′ nominal lengths, fixture ships assembled **Example: 4** = 4′	L8	800	8	80	TW	Tunable white (3000K-5000K)
	Row-mount: Lengths specified in 4′ increments **Example: 12** = 12′	L14	1,400	9	90 [2]	TW2	Tunable white (2700K-6500K)
	Product Builder Simplify ordering & layout design with the Williams Linear Product Builder at hew.com						

SHIELDING	MOUNTING (EXAMPLE: AC/D48) [3]			OPTIONS	
LVRS Slotted uplight (3%)	Prefix	Type	Length	*See page 3 for FINISH OPTIONS.*	
LVRD Linear dot uplight (3%)	AC/	**D** 1″ grid & hardpan	**24** 24″	EM/10WRM	Remote mount 10-watt emergency battery [4]
LVRC Closed side panels		**N** 9/16″ grid	**48** 48″	EM/10WLP	Low-profile 10-watt emergency battery [5]
		S Slot grid	**96** 96″	(L__)	Additional lower lumen packages available. [6] **Example:** 1,000 nominal lumens = AXA-4-L14/8TW-LVRS-(L10).

DRIVER	VOLTAGE
DALI Driver prewired for DALI applications	**120** 120V
DIM (1) 0-10V signal to control dimming (1) 0-10V signal to control CCT	**277** 277V
DMX Driver prewired for DMX applications	**UNV** 120-277V
PSQ Lutron T-Series 2-channel tunable white 1%.	

NOTES
[1] Lumens per foot output based on LVRS Shielding, 80 CRI/4000K CCT. Actual performance 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.
[3] See page 3 for MOUNTING DETAILS.
[4] 4′ only. See page 2 for FIXTURE DETAILS.
[5] 8′ only. Additional lumen packages available, see options.
[6] (L5) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.

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FIXTURE PERFORMANCE DATA

	LED PACKAGE/FOOT	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
4'	L8	3148	31.0	102
	L14	5312	55.8	95
8'	L8	6185	60.8	102
	L14	10626	111.5	95

- Photometrics tested in accordance with IESNA LM-79. Results based on LVRS 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

|		COLOR TEMPERATURE			
	CCT	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
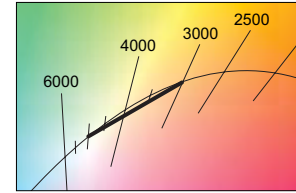
TW2
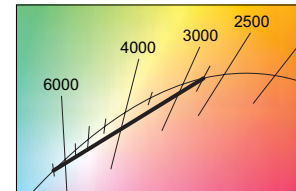
PHOTOMETRY

AXA-4-L14/8TW-LVRS-DIM-UNV Total Luminaire Output: 5312 lumens; 55.8 Watts | Efficacy: 95.0 lm/W | 80 CRI; 4000K CCT
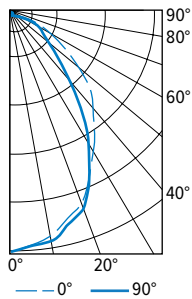
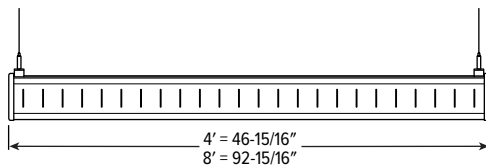| VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2484	2484	2484	
5	2421	2425	2437	230
15	2231	2251	2302	635
25	1917	1927	2000	900
35	1594	1587	1655	1006
45	1294	1256	1292	963
55	877	811	771	727
65	514	435	377	438
75	220	187	175	212
85	63	58	61	70
90	6	16	22	
95	0	12	18	14
105	2	14	20	15
115	7	20	23	18
125	9	25	26	19
135	16	28	29	20
145	23	29	29	18
155	26	32	33	15
165	31	38	38	10
175	34	34	32	3
180	32	32	32	

ZONE	LUMENS	% FIXTURE
0 - 30	1766	33
0 - 40	2772	52
0 - 60	4461	84
0 - 90	5181	98
90 - 130	46	1
90 - 150	103	2
90 - 180	131	3
0 - 180	5312	100

LUMEN SUMMARY

FIXTURE DETAILS

SIDE VIEW

4' = 46-15/16"
8' = 92-15/16"

LVRS

LVRD

LVRC

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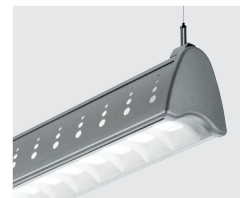
MOUNTING DETAILS

STANDARD HARDWARE FOR SUSPENDED PRODUCT (Grid and Hardpan)

Feeder/Stand-Alone   Joiner
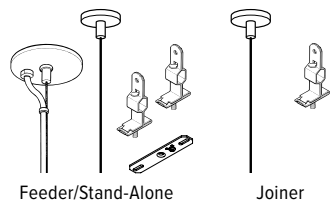
Notes:

- 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.
- 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.
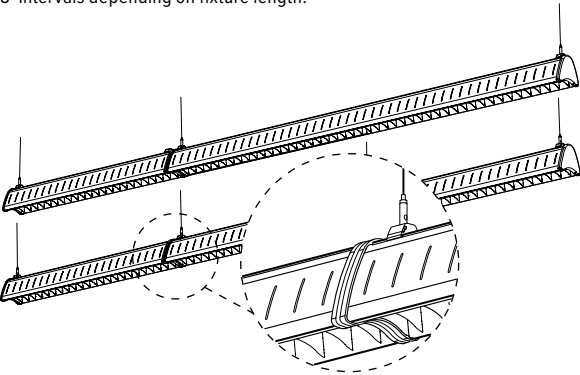
AIRCRAFT CABLE
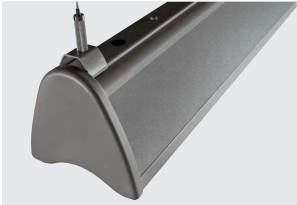
Mounting brackets can be positioned anywhere along the length of the fixture housing. It is recommended to locate mounting brackets no more than 8″ away from the end plates of the fixture.
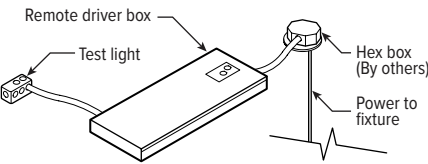
CONTINUOUS ROW FIXTURES

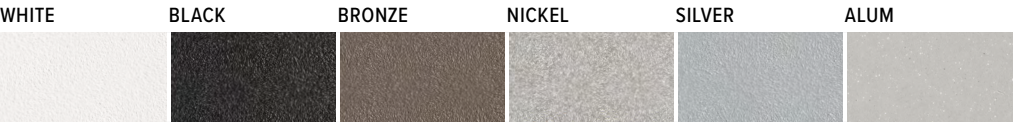When row mounting fixtures, joint between fixtures will be visible at 4′ and 8′ intervals depending on fixture length.

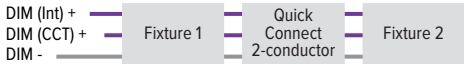### REMOTE MOUNT BATTERY

Max remote distance 50′.

Remote driver box
Test light
Hex box (By others)
Power to fixture

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 two sample swatches, minimum 1″ square.

CONTROL DETAILS

DIM

DIM (Int) +
DIM (CCT) +
DIM -
→ Fixture 1 → Quick Connect 2-conductor → Fixture 2

DMX

RJ45 Ports (IN/OUT) → Fixture (Master) → Quick Connect Ethernet cable → Fixture (Satellite)

DALI

DALI +
DALI -
→ Fixture 1 → Quick Connect 2-conductor → Fixture 2

LUTRON T-SERIES

T1
T2
→ Fixture 1 → Quick Connect 2-conductor → Fixture 2

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