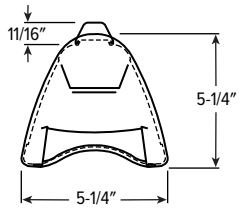
AXA LED
Architectural Contoured Louver



CATALOG #:

TYPE:

PROJECT:

BAA & BABA COMPLIANT | UL 924 | TW

FEATURES

- 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
- Support human-centric design with adaptive, individualized lighting using tunable white light
- White louver finish improves fixture efficiency
- Wireless in-fixture control solutions available
- 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 boards. L70 at 50,000 hours per IES TM-21. 50/60 Hz constant current driver. Tunable White products use LEDs of multiple shades 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.
  - UL 924 available, see Options.
  - 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: AXA - 4 - L14/835 - LVRS - AC/D48 - OPTIONS - CONTROL/DIM - UNV

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/product-builder

LUMENS [1]
L8 800
L14 1,400

CRI
8 80
9 90

CCT
27 2700K
30 3000K
35 3500K
40 4000K
50 5000K
TW Tunable white (3000K–5000K)
TW2 Tunable white (2700K-6500K)

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

MOUNTING (EXAMPLE: AC/D48) [3]
Prefix: **AC/**

Type:
D 1″ grid & hardpan
N 9/16″ grid
S Slot grid

Length:
24 24″
48 48″
96 96″

OPTIONS [4]
*See page 2 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: 1,000 nominal lumens = AXA-4-L14/835-LVRS-**(L10)**.
GEN Approved for UL 924 emergency generator circuit through-feed wiring [7]

CONTROL
*Click **HERE** for control and sensor options.*
– None

DRIVER
*See page 4 for **ADDITIONAL DRIVER OPTIONS**.*
DIM Driver with external 0-10V dimming wires
DIM1 1 % Driver with external 0-10V dimming wires
DRV Driver without external dimming wires [8]

VOLTAGE
120 120V
277 277V
UNV 120-277V

NOTES
1. Nominal lumens per foot output based on LVRS Shielding, 80 CRI, 3500K for static white and 4000K for tunable white. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see options.
2. See page 2 for FIXTURE DETAILS.
3. See page 3 for MOUNTING DETAILS.
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. 8′ length only.
6. (L5) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
7. Maximum mounting height is 26.2′ (8.0 m). Minimum lumen output is 400 lm/ft. See hew.com/UL924 for details.
8. Not available with tunable white.

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FIXTURE PERFORMANCE DATA

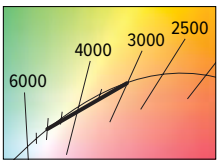
	LED PACKAGE/FOOT	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
4′	L8	3695	30.1	123
	L14	5645	53.8	105
8′	L8	6482	57.1	114
	L14	11289	107.6	105

- Photometrics tested in accordance with IESNA LM-79. Results based on LVRS shielding, 80 CRI, 3500K for static white and 4000K for tunable white, 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.
- POE PR fixture efficacy is typically 10-12% higher than shown at same lumen level. Consult factory during project design phase for details.

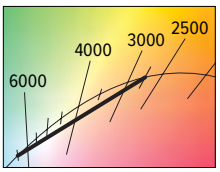
MULTIPLIER TABLE

	COLOR TEMPERATURE			
	CCT	STANDARD	TW	TW2
80 CRI	2700K	0.97	–	0.93
	3000K	0.99	0.95	0.95
	3500K	1.00	0.98	0.98
	4000K	1.03	1.00	1.00
	5000K	1.06	0.96	1.02
	6500K	–	–	1.01
90 CRI	2700K	0.80	–	0.93
	3000K	0.82	0.91	0.95
	3500K	0.83	0.96	0.98
	4000K	0.86	1.00	1.00
	5000K	0.89	1.03	1.03
	6500K	–	–	1.02

TW

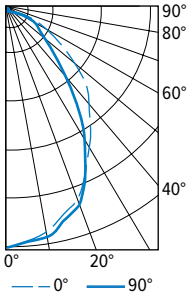


TW2



PHOTOMETRY

AXA-4-L14/835-LVRS-DIM-UNV Total Luminaire Output: 5645 lumens; 53.8 Watts | Efficacy: 104.9 lm/W | 80 CRI; 3500K CCT

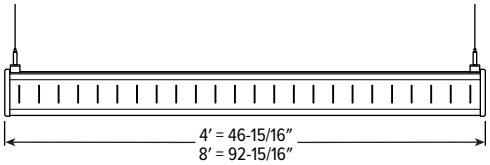


CANDLEPOWER DISTRIBUTION					
	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	2640	2640	2640	
	5	2572	2577	2590	245
	15	2371	2392	2446	675
	25	2037	2048	2126	957
	35	1694	1687	1759	1069
	45	1375	1334	1373	1023
	55	932	861	819	773
	65	546	462	401	466
	75	233	199	186	225
	85	67	61	65	74
	90	6	17	23	
	95	0	13	19	14
	105	2	14	22	16
	115	7	22	24	19
	125	10	26	28	20
	135	17	30	31	21
	145	24	31	31	19
	155	28	34	35	15
	165	32	41	41	11
	175	36	36	34	3
	180	34	34	34	

LUMEN SUMMARY			
	ZONE	LUMENS	% FIXTURE
	0 - 30	1876	33
	0 - 40	2946	52
	0 - 60	4741	84
	0 - 90	5506	98
	90 - 130	70	1
	90 - 150	110	2
	90 - 180	139	3
	0 - 180	5645	100

FIXTURE DETAILS

SIDE VIEW



LVRS

LVRD

LVRC

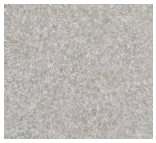
FINISH OPTIONS

WHITE

BLACK

BRONZE

NICKEL



SILVER

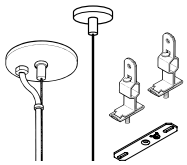
ALUM

RAL#____

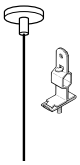
For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require four sample swatches, minimum 1″ square.

MOUNTING DETAILS

STANDARD HARDWARE FOR SUSPENDED PRODUCT (Grid and Hardpan)



Power End or Stand-Alone

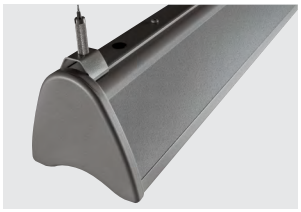


Row Mount Support

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.

CORD FOR SUSPENDED PRODUCT

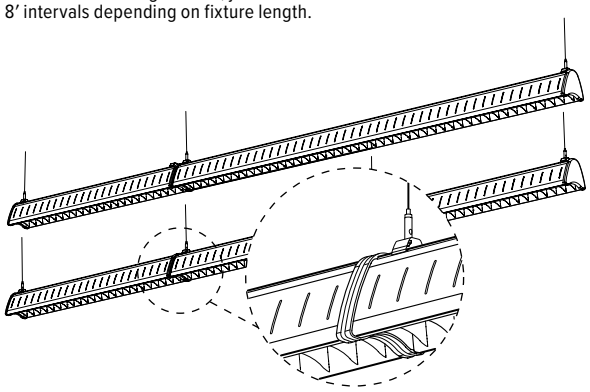
The linear builder uses the mounting length and driver type to auto-select the necessary cord. See details below. Long fixture rows may require multiple feed points based on 18ga conductor size.

EXAMPLE: S2438D/W				
CORD TYPE	LENGTH	# OF COND.	WIRE SIZE	COLOR
S	**24** 24" **48** 48" **96** 96"	**3** **4** **5** [1] **6** [1]	**8D** 18ga	**/W** White **/B** Black

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

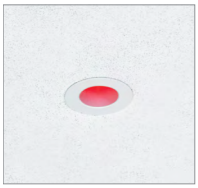
CONTINUOUS ROW FIXTURES

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



REMOTE MOUNT BATTERY DETAILS

EM/10WRM/RTS

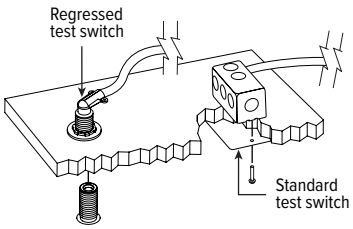


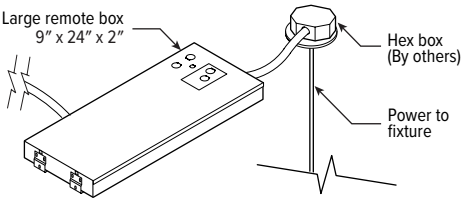
Regressed test switch
ø1-3/4"

EM/10WRM

Standard test switch
2-3/4" x 4-1/2"

Max remote distance is 50' including suspension length, connection by others.





SEE NEXT PAGE FOR DRIVER DETAILS.

ADDITIONAL DRIVER OPTIONS

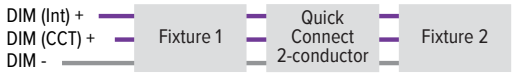
Note: Restrictions may apply, consult product builder at hew.com/product-builder

CATALOG NUMBER	DESCRIPTION
DRV [1]	Driver without external dimming wires prewired for non-dimming applications
DIM	Driver with external dimming wires prewired for 0-10V low voltage applications (tunable white: (1) 0-10V signal controls dimming and (1) 0-10V signal controls CCT)
DIM1	1% driver with external dimming wires prewired for 0-10V low voltage applications
DIM LINE [1]	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC [1]	Line voltage dimming driver (TRIAC compatible, 120V only)
DA	Driver with 12V auxiliary power, without external dimming wires (not available with 347V)
DSR	DALI-2 sensor-ready driver without external dimming wires (Not available with 347V. Static CCTs use D4i DALI-2 driver)
DALI	DALI dimming driver
DMX	Driver prewired for DMX applications
SD40 [1]	40% step-dimming driver
SD50 [1]	50% step-dimming driver
LDE1 [1]	Lutron Hi-lume 1% EcoSystem dimming driver
LD2	Lutron DALI-2 digital driver, 1%
PoE PR	Power over Ethernet-ready, fixture powered and controlled by remote UL- or CSA-listed PoE driver

1 Single CCT only.

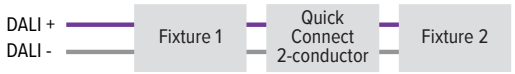
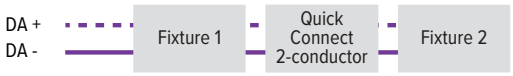
TUNABLE WHITE DRIVER DETAILS

DIM



DMX

DALI



LD2