AXA LED
Architectural Contoured Louver

Williams

11/16"
5-1/4"
5-1/4"

CATALOG #: _____

TYPE: _____

PROJECT: _____

BAA & BABA COMPLIANT

UL 924

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
- 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.
- 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	NOMINAL LENGTH	LUMENS [1]		CRI		CCT	
AXA	**Stand-alone:** 4' & 8' nominal lengths, fixture ships assembled **Example: 4** = 4'	**L8**	800	**8**	80	**27**	2700K
		L14	1,400	**9**	90	**30**	3000K
	Row-mount: Lengths specified in 4' increments **Example: 12** = 12'					**35**	3500K
						40	4000K
	Product Builder Simplify ordering & layout design with the Williams Linear Product Builder at hew.com/product-builder					**50**	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]
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
See page 3 for ADDITIONAL CONTROL/DRIVER OPTIONS.

–	None
AVI-LVFA	Avi-on wireless fixture control [8]
AWNR	Lutron Athena wireless node integral fixture control, RF only [9]

DRIVER
See page 3 for ADDITIONAL CONTROL/DRIVER OPTIONS.

DIM	Driver with external 0-10V dimming wires
DRV	Driver without external dimming wires
DA	Driver with 12V auxiliary power, without external dimming wires [10]
DSR	Sensor-ready driver without external dimming wires (D4i DALI-2) [11]

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

NOTES

[1] Nominal lumens per foot output based on LVRS Shielding, 80 CRI/3500K CCT. 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] DA Driver only. See page 4 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS.
[9] DA and DSR Drivers only.
[10] Avi-on and Lutron Athena Controls only.
[11] Lutron Athena Controls only.

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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 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	CONVERSION FACTOR
80 CRI	2700K	0.97
	3000K	0.99
	3500K	1.00
	4000K	1.03
	5000K	1.06
90 CRI	2700K	0.80
	3000K	0.82
	3500K	0.83
	4000K	0.86
	5000K	0.89

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
— – 0°   — 90°
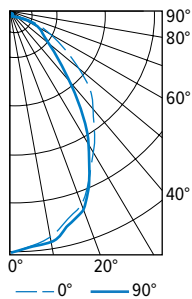
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2640	2640	2640	
5	2572	2577	2590	245
15	2371	2392	2446	675
25	2037	2048	2126	957
35	1694	1687	1759	1069
45	1375	1334	1373	1023
55	932	861	819	773
65	546	462	401	466
75	233	199	186	225
85	67	61	65	74
90	6	17	23	
95	0	13	19	14
105	2	14	22	16
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	

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	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

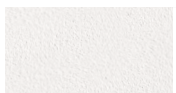### SIDE VIEW

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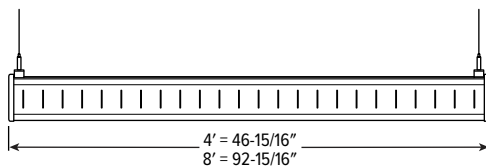
LVRS

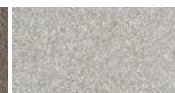### LVRD
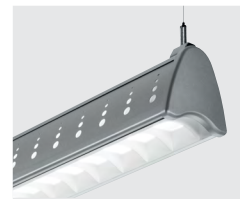
LVRC

FINISH OPTIONS
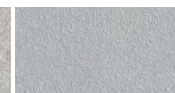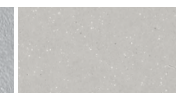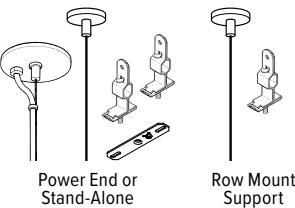
WHITE   BLACK   BRONZE   NICKEL   SILVER   ALUM

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.

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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.
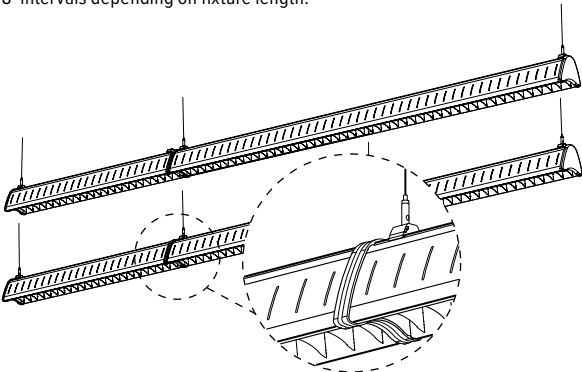
AIRCRAFT CABLE

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.
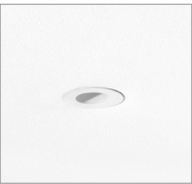
CONTINUOUS ROW FIXTURES

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

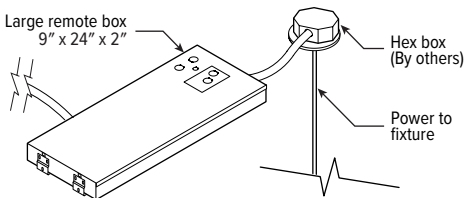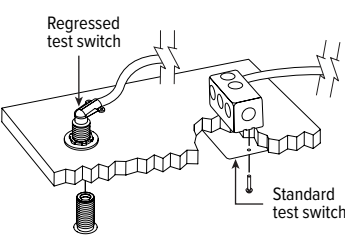## REMOTE MOUNT BATTERY DETAILS

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.

Regressed test switch

Standard test switch

Large remote box
9″ x 24″ x 2″

Hex box
(By others)

Power to fixture

ADDITIONAL CONTROL/DRIVER OPTIONS

Note: Lumen restrictions apply, consult product builder at hew.com/product-builder

CATALOG NUMBER	DESCRIPTION
AVI-LVFA/DA	Avi-on wireless fixture control for use with driver with 12V auxiliary power, without external dimming wires
AWNR/DA	Lutron Athena wireless node integral fixture control, RF only, for use with driver with 12V auxiliary power, without external dimming wires
AWNR/DSR	Lutron Athena wireless node integral fixture control, RF only, for use with sensor-ready driver without external dimming wires (D4i DALI-2)
DRV	Driver without external dimming wires prewired for non-dimming applications
DIM	Driver with external dimming wires prewired for 0-10V low voltage applications
DIM1	1% driver with external dimming wires prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC	Line voltage dimming driver (TRIAC compatible, 120V only)
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming driver

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AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

FEATURES

Simple
- Gateway-free distributed control
- Contractor friendly installation
- Occupancy/vacancy/daylight sensing

Scalable
- Virtually unlimited network size
- Spans small areas to large garages
- Flexible control strategies

Secure
- Optional cloud connectivity
- UL IoT platinum security rating
- DLC 5.0 compliant

COMMISSIONING & INSTALLATION TOOLS

Avi-on mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers. Live commissioning training and on-site or remote support by Avi-on must be ordered separately through Avi-on.

Commissioning Mobile App

Zone Scanner Web App

Commissioning Pro App

SYSTEM COMPONENTS

Remote Management & Monitoring

Mobile Apps

Wall Stations

Remote Access Bridge

Ceiling Sensors

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ACCESSORIES

WALL STATIONS	
AVI-B-2401AC-1	Scene controller - buttons numbered 1-4 and up/down/off, 120-277VAC
AVI-B-2402BAT-1	Scene controller - buttons numbered 1-4 and up/down/off, battery powered
AVI-B-2401AC-2	Dimmer with presets - buttons with percentages and up/down/off, 120-277VAC
AVI-B-2402BAT-2	Dimmer with presets - buttons with percentages and up/down/off, battery powered
AVI-B-2401AC-3	Two button control on/off or hold to dim up/down, 120-277VAC
AVI-B-2402BAT-3	Two button control on/off or hold to dim up/down, battery powered

NETWORK	
AVI-RAB-LTE	Remote access bridge
AVI-NTM	Network time manager with battery backup

CEILING MOUNT SENSORS	
AVI-KIT-SEN-DUCM	PIR motion and ultrasonic sensor kit
AVI-KIT-SEN-ICM	PIR motion and photocell sensor kit

For load controllers and additional accessory info, see hew.com/avi-on