AX2 LED
2″ Suspended Architectural

Williams

AX2D

2-1/4″
2-3/16″
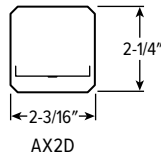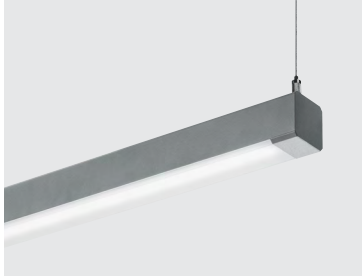
CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Sleek, slim architectural design provides direct or indirect light
- Slightly wrapped lens creates glowing edge and smooth illumination
- Attractive source of direct or indirect lighting for use in offices, hallways, conference rooms and medical facilities
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING – Extruded aluminum.
- SHIELDING – Frosted acrylic lens.
- FINISH – Matte, smooth silver sparkle (ALUM) standard. All other colors default to textured finish. Polyester 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 60,000 hours per IES TM-21. 50/60 Hz constant current driver.
- MOUNTING – Suspended. 1/16″ diameter 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.
  - 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: AX2U - 4 - L33/835 - S - AC/D48 - OPTIONS - CONTROL/DIM - UNV

ORDERING INFO

SERIES	LENGTH	LUMENS [1]		CRI		CCT		FIXTURE TYPE	
AX2D Down	**2** 2′	**2′**		**8** 80		**27** 2700K		**F** Electrical feeder unit [2]	
AX2U Up	**4** 4′	**L16**	1,600lm	**9** 90		**30** 3000K		**J** Joiner unit [3]	
	8 8′					**35** 3500K		**S** Stand-alone unit [4]	
		4′				**40** 4000K			
		L33	3,300lm			**50** 5000K			
		8′							
		L66	6,600lm						

MOUNTING (EXAMPLE: AC/D48) [5]

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

OPTIONS [6]

See page 3 for FINISH OPTIONS.

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 [7] Example: 2,500 nominal lumens = AX2U-4-L33/835-S-**(L25)**

CONTROL [8]

See page 5 for ADDITIONAL CONTROL OPTIONS.

–	None
AVI-LVFA	Avi-on wireless fixture control [9]
AVI-LVFA-CS2-PIR	Avi-on wireless fixture control with PIR motion and daylight sensor [10]
AWNR	Lutron Athena wireless node integral fixture control, RF only [11]
AWNS	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing [12]

DRIVER

See page 5 for ADDITIONAL 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 [13]
DSR	Sensor-ready driver without external dimming wires (D4i DALI-2). [14]

VOLTAGE

120	120V
277	277V
UNV	120-277V

NOTES

[1] Lumens based on 80 CRI/3500K CCT. Actual performance may vary +/-5%. Additional lumen packages available, see Options.
[2] 3-conductor straight white cord standard. Wire gauge to be determined by row length, quick-connect wiring harness, two end plates, field installed.
[3] No cord, quick-connect wiring harness, no end plates.
[4] 3-conductor straight white cord standard, two end plates installed.
[5] See page 2 for MOUNTING DETAILS.
[6] 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.
[7] Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
[8] Sensor recommended for use in downlight orientation only. See page 4 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS. See page 3 for SENSOR & NODE PLACEMENT DETAILS.
[9] DA driver only.
[10] DA driver only.
[11] DA and DSR Drivers only.
[12] DA and DSR Drivers only.
[13] Avi-on and Lutron Athena Controls only.
[14] Lutron Athena Controls only.

H.E. Williams, Inc. • Carthage, Missouri • www.hew.com • 417-358-4065 • Designed and Manufactured in the USA

Information contained herein is subject to change without notice. REV.02/28/25.JL

Suspended
Page 1 of 5

AX2 LED
2″ Suspended Architectural

WATTAGE DETAILS

| LED PACKAGE	
L16	18
L33	42
L66	83

PHOTOMETRY

AX2U-4-L33/835-S-DIM-UNV Report #: 18753.0; 03/11/15 | Total Luminaire Output: 3248 lumens; 41.6 Watts | Efficacy: 78.2 lm/W | 84 CRI; 3483K CCT

CANDLEPOWER DISTRIBUTION
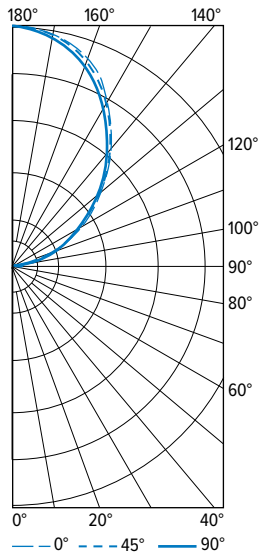
— — 0° - - - 45° —— 90°

VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	0	0	0	
5	0	0	0	0
15	0	0	0	0
25	0	0	0	0
35	0	0	0	0
45	0	0	11	2
55	0	8	19	8
65	0	13	28	13
75	0	20	40	21
85	1	26	47	27
90	9	37	63	
95	40	68	97	75
105	168	179	205	195
115	331	328	334	332
125	523	513	492	463
135	725	706	686	553
145	927	918	887	576
155	1123	1104	1082	511
165	1237	1229	1208	348
175	1293	1294	1288	124
180	1304	1304	1304	

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 30	0	0
	0 - 40	0	0
	0 - 60	10	0
	0 - 90	71	2
	90 - 120	603	19
	90 - 150	2194	68
	90 - 180	3177	98
	0 - 180	3248	100

CROSS SECTIONS

AX2D

2-1/4″
2-3/16″

AX2U
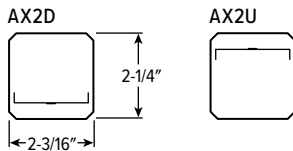
MOUNTING DETAILS

SIDE VIEW
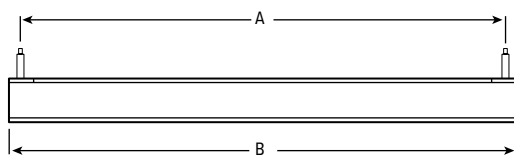
NOMINAL LENGTH	MOUNTING LENGTH (A)	ACTUAL LENGTH (B)
2′	24-5/8″	25-7/8″
4′	46-13/16″	48-1/16″
8′	89-7/8″	91-1/8″

CONTINUOUS ROW FIXTURES

Suspension Cable Mount

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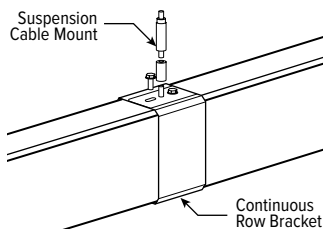
When row mounting fixtures, joint between fixtures will be visible at 4′ or 8′ intervals depending on fixture length.

STANDARD HARDWARE FOR SUSPENDED PRODUCT (Grid and Hardpan)

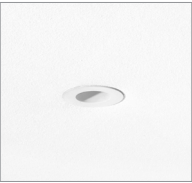Power End or Stand-Alone

Row Mount Support
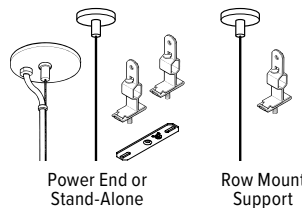
Notes:

- 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.

H.E. Williams, Inc. ▪ Carthage, Missouri ▪ www.hew.com ▪ 417-358-4065 ▪ Designed and Manufactured in the USA
Information contained herein is subject to change without notice.
REV.02/28/25.JL
Suspended
Page 2 of 5

AX2 LED
2″ Suspended Architectural

REMOTE MOUNT BATTERY DETAILS
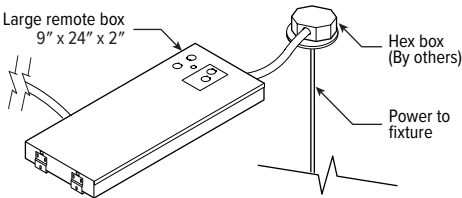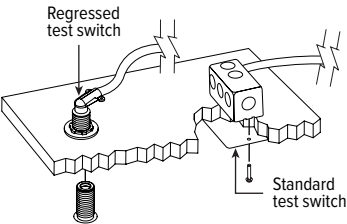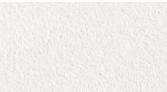
EM/10WRM/RTS

Regressed test switch
ø1-3/4″

EM/10WRM

Standard test switch
2-3/4″ x 4-1/2″

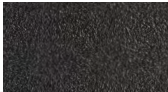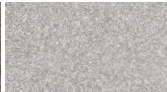Max remote distance is 50′ including suspension length, connection by others.

Regressed test switch

Standard test switch

Large remote box
9″ x 24″ x 2″

Hex box
(By others)

Power to fixture

FINISH OPTIONS

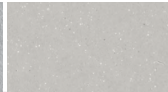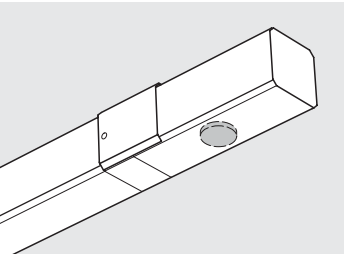| WHITE	BLACK	BRONZE	NICKEL	SILVER	ALUM

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.

SENSOR & NODE PLACEMENT DETAILS

SEE NEXT PAGE FOR CONTROL DETAILS.

H.E. Williams, Inc. ■ Carthage, Missouri ■ www.hew.com ■ 417-358-4065 ■ Designed and Manufactured in the USA
Information contained herein is subject to change without notice.
REV.02/28/25.JL

Suspended
Page 3 of 5

AX2 LED
2" Suspended Architectural

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 offices to large warehouses
- 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.
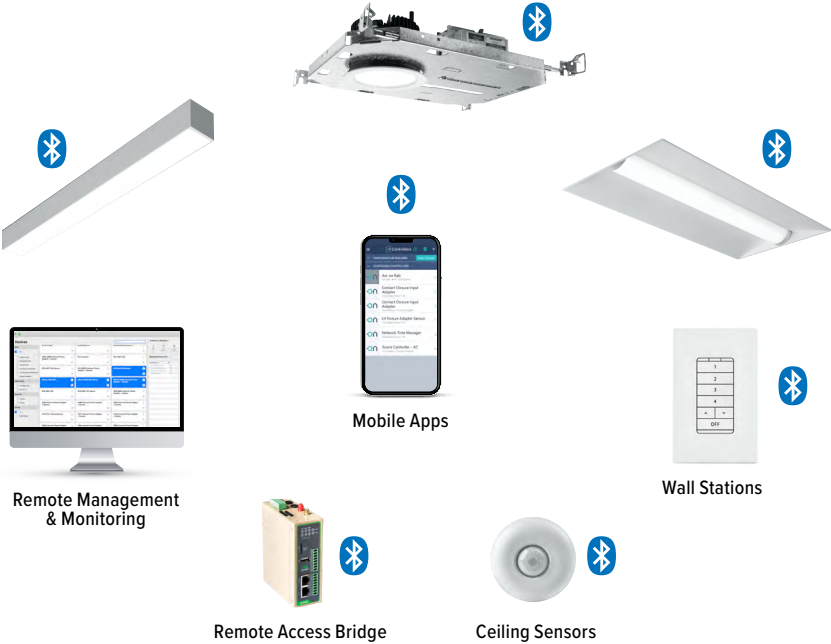
Commissioning Mobile App

Zone Scanner Web App

Commissioning Pro App

SYSTEM COMPONENTS

Mobile Apps

Wall Stations

Remote Management & Monitoring

Remote Access Bridge

Ceiling Sensors

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Avi-on is under license. Other trademarks and trade names are those of their respective owners.

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

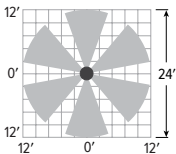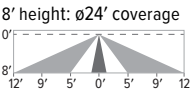For load controllers and additional accessory info, see hew.com/avi-on

AVI-LVFA-CS2-PIR Avi-on wireless fixture control with PIR motion and daylight sensor. DA Driver only.

SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 10'
DETECTION ANGLE	360°
TEMPERATURE RANGE	-30° to 50°C
RELATIVE HUMIDITY	10 to 80% non-condensing
IP RATING	IP20
MANUFACTURER	Avi-On

Bluetooth® Lighting Controls

SENSOR COVERAGE PATTERNS

Side View
8' height: ø24' coverage

0'
8'
12' 9' 5' 0' 5' 9' 12'

12'
0'   24'
12'
12'   0'   12'

SENSOR DETAIL

Dimensions: 13/16" x 2-1/4"

H.E. Williams, Inc. • Carthage, Missouri • www.hew.com • 417-358-4065 • Designed and Manufactured in the USA
Information contained herein is subject to change without notice.   REV.02/28/25.JL

Suspended
Page 4 of 5

AX2 LED
2″ Suspended Architectural

ADDITIONAL CONTROL OPTIONS

AWNS Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing. DA and DSR Drivers only.

SPECIFICATIONS

TYPE	Radio Frequency
MOUNTING HEIGHT	8′ – 12′
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	Clear Connect gateway – Type X with app (iOS or Android)
MANUFACTURER	Lutron

※LUTRON

SENSOR COVERAGE PATTERNS

9′ height: ø12′ coverage
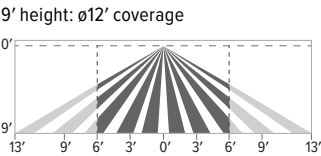
Motion Sensor Coverage

CEILING HEIGHT	COVERAGE AREA (SQ FT)
8′	114
9′	144
10′	178
12′	256

SENSOR DETAIL

Dimensions: ø1-1/8″

ATHENA CONTROL OPTIONS

CATALOG NUMBER	DESCRIPTION
AWNR	Lutron Athena wireless node integral fixture control, RF only, for use with D4i DALI-2 or driver with 12V auxiliary power.
AWNS	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with D4i DALI-2 or driver with 12V auxiliary power.
AWNR-BL	Lutron Athena wireless node integral fixture control, RF only, for use with D4i DALI-2 or driver with 12V auxiliary power, black finish.
AWNS-BL	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with D4i DALI-2 or driver with 12V auxiliary power, black finish.

ADDITIONAL DRIVER OPTIONS

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

CATALOG NUMBER	DESCRIPTION
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)
DA	Driver with 12V auxiliary power, without external dimming wires
DSR	Sensor-ready driver without external dimming wires (D4i DALI-2)
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming driver