

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
- Available with Avi-on wireless fixture controls
- 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.
- 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.
- 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 ^[3]
AX2U Up	4 4'	L16 1,600lm	9 90 ^[2]	30 3000K	J Joiner unit ^[4]
	8 8'	4'		35 3500K	S Stand-alone unit ^[5]
		L33 3,300lm		40 4000K	
		8'		50 5000K	
		L66 6,600lm			

MOUNTING (EXAMPLE: AC/D48) ^[6] OPTIONS ^[7]

Prefix	Type	Length	EM/10WRM (L__)	Remote mount 10-watt emergency battery
AC/	D 1" grid & hardpan	24 24"	(L__)	Additional lower lumen packages available. ^[8]
	N 9/16" grid	48 48"		Example: 2,500 nominal lumens = AX2U-4-L33/835-S-(L25)
	S Slot grid	96 96"		

CONTROL ^[9]

–	None
AVI-LVFA	Avi-on wireless fixture control ^[11]
AVI-LVFA-CS2-PIR	Avi-on wireless fixture control with PIR motion and daylight sensor ^[12]

DRIVER ^[10]

DIM	Driver with external dimming wires
DRV	Driver without external dimming wires
DA	Driver with 12V auxiliary power, without external dimming wires

VOLTAGE

120 120V
277 277V
UNV 120-277V



NOTES

- ¹ Lumens based on 3500 CCT. Actual lumens may vary +/-5%. Additional lumen packages available, see options.
- ² Extended lead times may apply. Consult factory for availability
- ³ 3-conductor straight white cord standard. Wire gauge to be determined by row length, quick-connect wiring harness, two end plates, field installed.
- ⁴ No cord, quick-connect wiring harness, no end plates.
- ⁵ 3-conductor straight white cord standard, two end plates installed.
- ⁶ See page 3 for MOUNTING DETAILS.
- ⁷ See page 3 for FINISH OPTIONS. Custom colors available upon request.
- ⁸ Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- ⁹ Sensor recommended for use in downlight orientation only. See page 4 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS. See page 3 for SENSOR PLACEMENT DETAILS.
- ¹⁰ See page 5 for ADDITIONAL DRIVER OPTIONS.
- ¹¹ DA driver only.
- ¹² DA driver only.



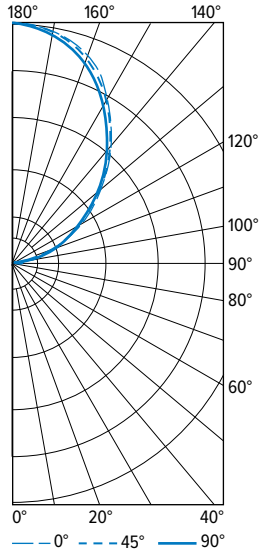
AX2 LED 2" Suspended Architectural

WATTAGE DETAILS

LED PACKAGE	
L16	18
L33	42
L66	83

PHOTOMETRY

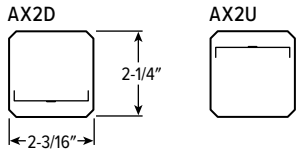
AX2U-4-L33/835-S-DIM-UNV Report #: 18753.0; 03/11/15 | Total Luminaire Output: 3248 lumens; 41.6 Watts | Efficacy: 78.2 lm/W | 84 CRI; 3483K CCT



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	

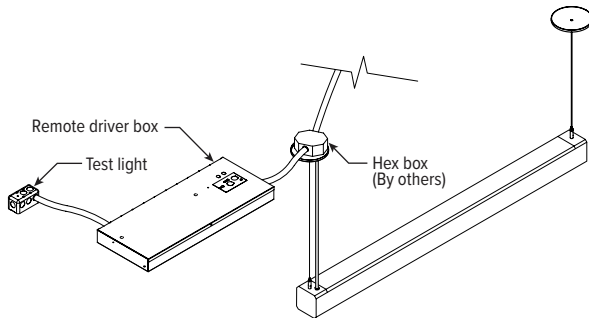
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	0	0
0 - 40	0	0	
0 - 60	10	0	
0 - 90	71	2	
90 - 120	603	19	
90 - 150	2194	68	
90 - 180	3177	98	
0 - 180	3248	100	

CROSS SECTIONS



FIXTURE DETAILS

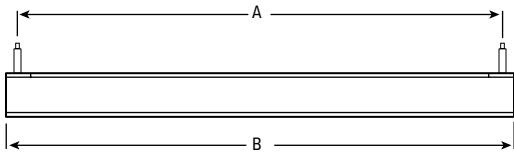
EM/10WRM DETAILS



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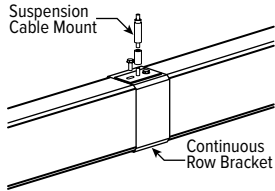
MOUNTING DETAILS

SIDE VIEW



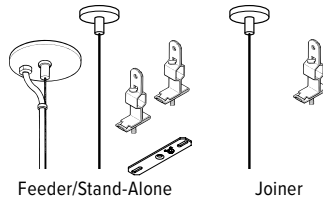
NOMINAL LENGTH	MOUNTING LENGTH (A)	ACTUAL LENGTH (B)
2'	24-5/8"	25-7/8"
4'	46-13/16"	48-1/16"
8'	89-7/8"	91-1/8"

CONTINUOUS ROW FIXTURES



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)



Notes:

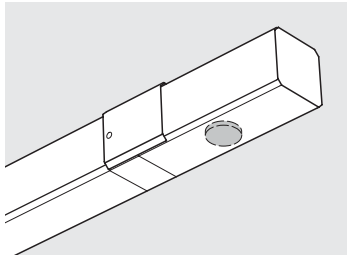
- Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.
- Electrical supply is brought into the feeder fixture, either as part of a row or as a stand-alone unit. Joiner fixtures complete the row.
- The feeder kits are standard with a 5" canopy to cover the junction box and a 2" canopy at the non-feed point. No J-box is required at non-feed points.

FINISH OPTIONS



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 PLACEMENT DETAILS



SEE NEXT PAGE FOR CONTROL DETAILS.



AX2 LED 2" Suspended Architectural

AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

AVI-ON NETWORK FEATURES

Simple

- Gateway-free distributed control
- Factory pre-commissioning
- Contractor friendly installation
- Occupancy/vacancy/daylight sensing

Scalable

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

Secure

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

DIGITAL INSTALLATION TOOLS

Avi-On mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers.



Commissioning Mobile App



Zone Scanner Web App



Commissioning Pro App

SYSTEM COMPONENTS



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ACCESSORIES

WALL STATIONS	
AVI-2401AC	Scene controller - numbered 1-4, 120-277VAC
AVI-2402BAT	Scene controller - numbered 1-4, battery powered
AVI-2401AC-2	Dimmer with presets - percentages, 120-277VAC
AVI-2402BAT-2	Dimmer with presets - percentages, battery powered
AVI-2401AC-3	On/off/dimming, 120-277VAC
AVI-2402BAT-3	On/off/dimming, battery powered
CONNECTIVITY	
AVI-2001RAB-01-P	Remote access bridge for projects 100 or greater
AVI-2001RAB-01-C	Remote access bridge for projects less than 100
AVI-KIT-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

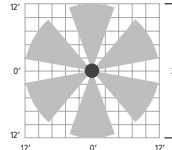
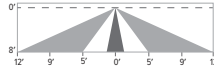
AVI-LVFA-CS2-PIR Avi-on wireless fixture control with PIR motion and daylight sensor. DA Driver only.

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



SENSOR DETAIL



AX2 LED 2" Suspended Architectural

ADDITIONAL DRIVER OPTIONS

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

CATALOG NUMBER	DESCRIPTION
DRV	Driver prewired for non-dimming applications
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver 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	Dimming driver with 12V auxiliary
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver

