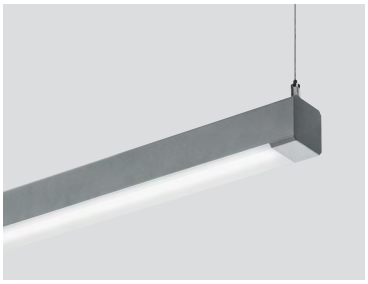
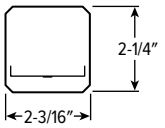
AX2 LED
2″ Suspended Architectural





AX2D

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
- Support human-centric design with adaptive, individualized lighting using tunable white light
- 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. 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 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′	**4′**		**35** 3500K	**S** Stand-alone unit [4]
		L33 3,300lm		**40** 4000K	
		8′		**50** 5000K	
		L66 6,600lm		**TW** Tunable white (3000K–5000K)	
				TW2 Tunable white (2700K-6500K)	

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]

*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 [9]

VOLTAGE

120	120V
277	277V
UNV	120-277V

NOTES

1. Lumens based on 80 CRI, 3500K for static white and 4000K for tunable white. 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 3 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 1 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS. See page 3 for SENSOR & NODE PLACEMENT DETAILS.
9. Not available with tunable white.

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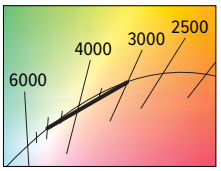
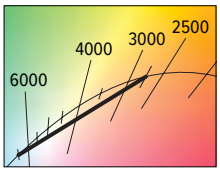
WATTAGE DETAILS

	LED PACKAGE	
2′	L16	18
4′	L33	42
8′	L66	83

TW

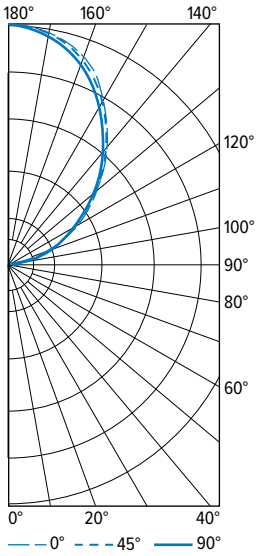


TW2



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

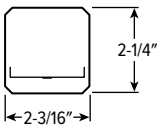
VERTICAL ANGLE	HORIZONTAL ANGLE 0°	45°	90°	ZONAL LUMENS
0	0	0	0	
5	0	0	0	0
15	0	0	0	0
25	0	0	0	0
35	0	0	0	0
45	0	0	11	2
55	0	8	19	8
65	0	13	28	13
75	0	20	40	21
85	1	26	47	27
90	9	37	63	
95	40	68	97	75
105	168	179	205	195
115	331	328	334	332
125	523	513	492	463
135	725	706	686	553
145	927	918	887	576
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

AX2D



AX2U

SEE NEXT PAGE FOR MOUNTING DETAILS.

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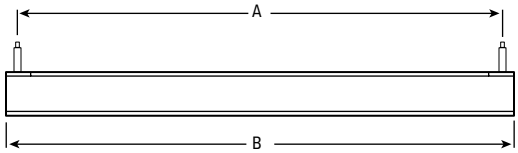
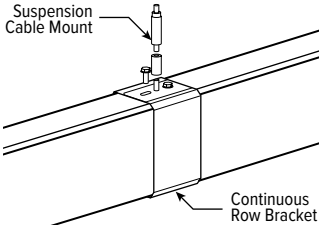
MOUNTING DETAILS

SIDE VIEW



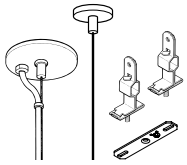
NOMINAL LENGTH	MOUNTING LENGTH (A)	ACTUAL LENGTH (B)
2′	24-5/8″	25-7/8″
4′	46-13/16″	48-1/16″
8′	89-7/8″	91-1/8″

CONTINUOUS ROW FIXTURES

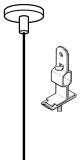


When row mounting fixtures, joint between fixtures will be visible at 4′ or 8′ intervals depending on fix

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.

CORD FOR SUSPENDED PRODUCT

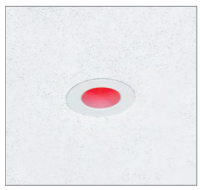
The linear builder uses the mounting length and driver type to auto-select the necessary cord. See details below. Long fixture rows may require multiple feed points based on 18ga conductor size.

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

REMOTE MOUNT BATTERY DETAILS

EM/10WRM/RTS

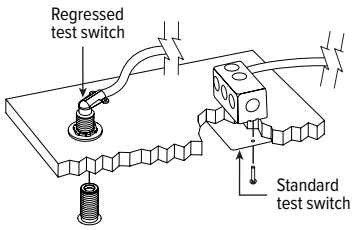


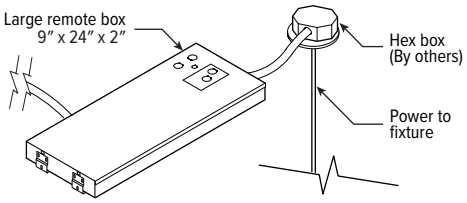
Regressed test switch
ø1-3/4″

EM/10WRM

Standard test switch
2-3/4″ x 4-1/2″

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





FINISH OPTIONS

WHITE

BLACK

BRONZE

NICKEL

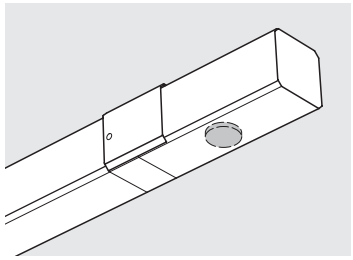
SILVER

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.

SENSOR & NODE PLACEMENT DETAILS



ADDITIONAL DRIVER OPTIONS

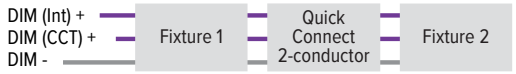
Note: Restrictions may apply, consult product builder at hew.com/product-builder

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.

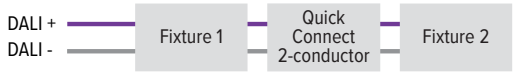
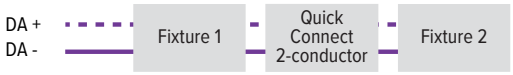
TUNABLE WHITE DRIVER DETAILS

DIM



DMX

DALI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