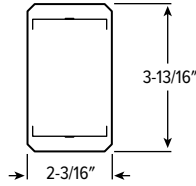


AX2UD tunable WHITE 2" Suspended Architectural Up/Down



CATALOG #: _____

TYPE: _____

PROJECT: _____



FEATURES

- Support human-centric design with adaptive, individualized lighting using tunable white light
- Sleek, linear design incorporates clean lines and slim styling
- 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.
- 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.
 - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: AX2UD - 4 - L33U/L33D/8TW - S - AC/D48 - OPTIONS - CONTROL/DALI - UNV

ORDERING INFO

SERIES	LENGTH	LUMEN PACKAGE (EXAMPLE: L33U/L33D/8TW)	FIXTURE TYPE
AX2UD	4 4'	Specify lumen packages: U for Uplight and D for Downlight	F Electrical feeder unit ^[1]
	8 8'	LUMENS ^[4]	J Joiner unit ^[2]
	4'	U Uplight 8 80 TW Tunable white (3000K-5000K)	S Stand-alone unit ^[3]
	L15 1,500lm	D Downlight 9 90 ^[5] TW2 Tunable white (2700K-6500K)	
	L30 3,000lm		
	8'	L33 3,300lm	
		L60 6,000lm	

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

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

OPTIONS

See page 3 for FINISH OPTIONS.

EM/10WRM Remote mount 10-watt emergency battery ^[7]
 Additional lower lumen packages available. ^[8]
 Example: 2,500 nominal lumens =
 AX2UD-4-L30U/L30D/8TW-S-(L25U/L25D)

CONTROL ^[9]

See page 3 for ADDITIONAL CONTROL OPTIONS.

- None
- AWN**R Lutron Athena wireless node integral fixture control, RF only ^[11]
- AWN**S Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing ^[12]

DRIVER ^[10]

See page 3 for DRIVER DETAILS.

- DALI** Driver prewired for DALI applications
- DIM** Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT
- DSR** Sensor-ready driver without external dimming wires (D4i DALI-2). Up and down switch together ^[13]
- LD2** Lutron DALI-2 digital driver, 1%

VOLTAGE

- 120** 120V
- 277** 277V
- UNV** 120-277V

NOTES

- ¹ 3-conductor straight white cord standard. Wire gauge to be determined by row length. Quick-connect wiring harness, two end plates, field installed.
- ² No cord, quick-connect wiring harness, no end plates.
- ³ 3-conductor straight white cord standard, two end plates installed.
- ⁴ Lumens based on 80 CRI/4000K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
- ⁵ Extended lead times may apply. Consult factory for availability.

- ⁶ See page 2 for MOUNTING DETAILS.
- ⁷ See page 2 for MOUNTING DETAILS.
- 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 3 for SENSOR & NODE PLACEMENT DETAILS.
- ¹⁰ Not available with DIMU/DIMD.
- ¹¹ DSR and LD2 Drivers only.
- ¹² DSR and LD2 Drivers only.
- ¹³ Lutron Athena Controls only.



AX2UD tunable WHITE 2" Suspended Architectural Up/Down

FIXTURE PERFORMANCE DATA

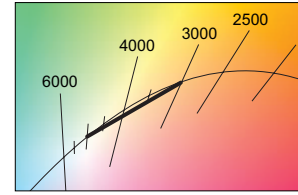
	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
4'	L15	1508	16.8	90
	L30	3029	35.9	84
8'	L33	3311	37.1	89
	L60	6058	71.8	84

- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI/4000K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- Fixture performance is the same for up and downlight.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier table to calculate additional options.

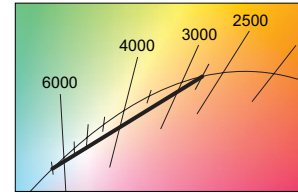
MULTIPLIER TABLE

		COLOR TEMPERATURE			
	CCT	TW		TW2	
		LUMENS	WATTAGE	LUMENS	WATTAGE
80 CRI	2700K	-	-	0.93	1.02
	3000K	0.95	1.04	0.95	1.01
	3500K	0.98	1.02	0.98	1.00
	4000K	1.00	1.00	1.00	1.00
	5000K	0.96	1.04	1.02	1.00
	6500K	-	-	1.01	1.04
90 CRI	2700K	-	-	0.81	1.02
	3000K	0.83	1.04	0.83	1.01
	3500K	0.86	1.02	0.86	1.00
	4000K	0.88	1.00	0.88	1.00
	5000K	0.84	1.04	0.89	1.00
	6500K	-	-	0.88	1.04

TW

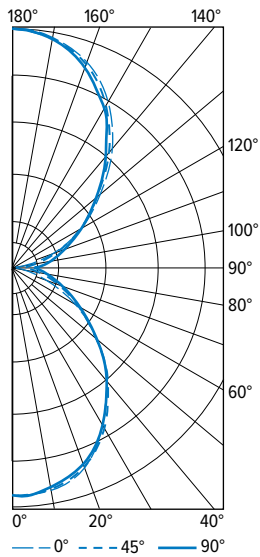


TW2



PHOTOMETRY

AX2UD-4-L30U/L30D/8TW-S Total Luminaire Output: 6058 lumens; 71.8 Watts | Efficacy: 84 lm/W | 80 CRI; 4000K CCT

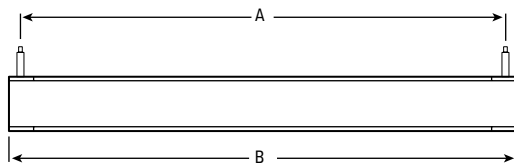


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	1189	1189	1189	
5	1206	1179	1171	112	
15	1151	1140	1129	320	
25	1037	1022	1014	472	
35	857	860	845	535	
45	653	659	651	508	
55	448	474	469	421	
65	264	308	324	303	
75	115	175	212	185	
85	28	85	133	96	
90	6	59	110		
95	39	104	162	112	
105	162	197	238	212	
115	317	329	344	330	
125	506	490	496	443	
135	702	677	659	526	
145	902	876	859	549	
155	1066	1049	1026	484	
165	1183	1176	1164	331	
175	1239	1242	1230	117	
180	1244	1244	1244		

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 30	904	15
	0 - 40	1439	24
	0 - 60	2369	39
	0 - 90	2953	49
	90 - 120	654	11
	90 - 150	2173	36
	90 - 180	3106	51
	0 - 180	6058	100

MOUNTING DETAILS

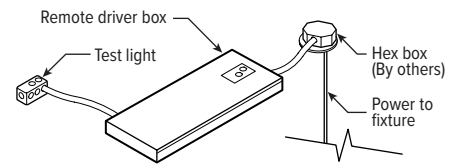
SIDE VIEW



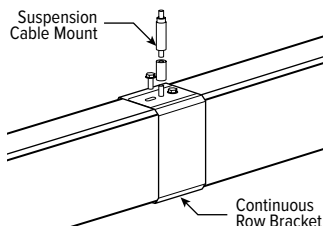
NOMINAL LENGTH	MOUNTING LENGTH (A)	ACTUAL LENGTH (B)
4'	46-13/16"	48-1/16"
8'	89-7/8"	91-1/8"

REMOTE MOUNT BATTERY

Max remote distance 50'.

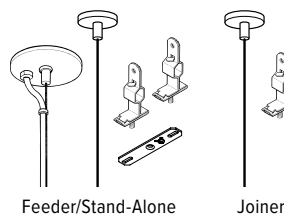


CONTINUOUS ROW FIXTURES



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)



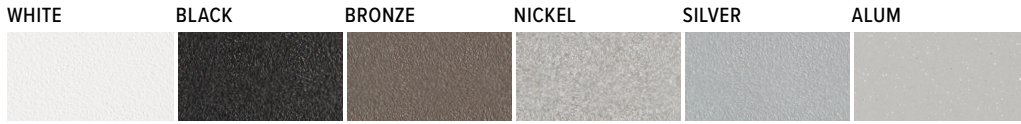
Notes:

- 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.



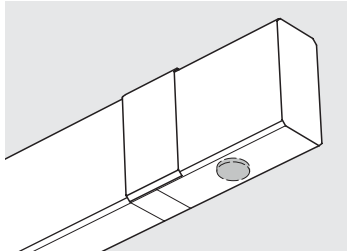
AX2UD tunable WHITE 2" Suspended Architectural Up/Down

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 & NODE PLACEMENT DETAILS

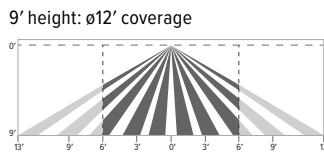


ADDITIONAL CONTROL OPTIONS

AWNS Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing. DSR and LD2 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

SENSOR COVERAGE PATTERNS



Motion Sensor Coverage

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

SENSOR DETAIL



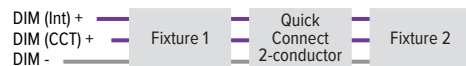
Dimensions: ϕ 1-1/8"

ATHENA CONTROL OPTIONS

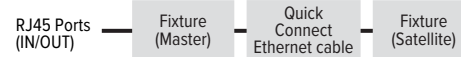
CATALOG NUMBER	DESCRIPTION
AWNR	Lutron Athena wireless node integral fixture control, RF only, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%.
AWNS	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%.
AWNR-BL	Lutron Athena wireless node integral fixture control, RF only, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%, black finish.
AWNS-BL	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with sensor-ready driver (D4i DALI-2) or DALI-2 digital driver 1%, black finish.

DRIVER DETAILS

DIM



DMX



DALI



LD2

