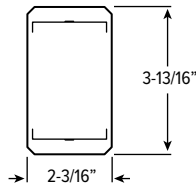
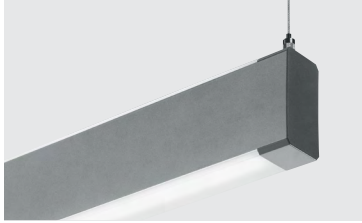


AX2UD^{PoE} | tunable **WHITE** 2" Suspended Architectural Up/Down



CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Williams turn-key Power over Ethernet (PoE) solution provides plug-and-play networked lighting and control.
- Tunable white from 3000K to 5000K CCT, minimum 80 CRI
- 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
- Made Right Here[®] in the USA

SYSTEM REQUIREMENTS

- Lighting system (site software)
- Gateway or alternate server (runs software)
- PoE switches or Ethernet switches and mid-span power injectors
- See hew.com/poe for details

SPECIFICATIONS

- HOUSING** – Extruded aluminum.
- SHIELDING** – Frosted acrylic lens.
- FINISH** – Matte, smooth silver sparkle 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 board. L70 > 60,000 hours per IES TM-21. Low-voltage DC fixture, to be fed by Class 2 power supply. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade 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** –
 - cETLus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations.
- WARRANTY** – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: AX2UD - 4 - P23U/P23D/835 - S - AC/D48 - OPTIONS - POE N

ORDERING INFO

SERIES	LENGTH	LUMEN PACKAGE (EXAMPLE: P23U/P23D/835)	FIXTURE TYPE
AX2UD	4 4'	Specify lumen packages: U for Uplight and D for Downlight	F Feeder unit ^[1]
	8 8'	LUMENS ^[4] U or D CRI CCT	J Joiner unit ^[2]
	4'	U Uplight 8 80 30 3000K	S Stand-alone unit ^[3]
	P23 2,300lm	D Downlight 9 90 ^[5] 35 3500K	
	8'		40 4000K
	P47 4,700lm		50 5000K
			8TW Tunable white (80 CRI, 3000K-5000K)

MOUNTING (EXAMPLE: AC/D48) ^[6]			OPTIONS ^[7]		CONTROL ^[8]	
Prefix	Type	Length	EM/CP12	Remote mount 12-watt Iota emergency LED battery ^[9]	POE N	Power over Ethernet network node
AC/	D 1" grid & hardpan	24 24"			POE D	Power over Ethernet device node ^[10]
	N 9/16" grid	48 48"				
	S Slot grid	96 96"				

NOTES

- Straight white cord standard, two end plates, field installed.
- Straight white cord standard, no end plates
- Straight white cord standard, two end plates installed
- Nominal lumen output based on 3500K for single CCT and 4000K for TW. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- Extended lead times may apply. Consult factory for availability.
- Not available with tunable white.
- See page 3 for MOUNTING DETAILS.
- See hew.com/poe for compatible sensors & switches. See page 3 for FINISH OPTIONS.
- Node requires remote mounting. See page 3 for REMOTE MOUNT DETAILS. AX2UD allows for independent up and down switching.
- Requires one additional category cable run to switch. See page 3 for REMOTE MOUNT DETAILS.
- Not available for fixtures over 40W.



AX2UD^{PoE} | tunable **WHITE** 2" Suspended Architectural Up/Down

FIXTURE PERFORMANCE DATA

STANDARD

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
4"	P23	2304	23.0	100.3
8"	P47 ¹	4734	44.6	106.1

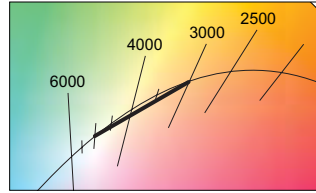
TUNABLE WHITE

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
4"	P23	2302	25.6	90.1
8"	P47 ¹	4717	50.2	94.0

MULTIPLIER TABLES

STANDARD	
CCT	CONVERSION FACTOR
2700K	0.97
3000K	0.99
3500K	1.00
4000K	1.03
5000K	1.06

TUNABLE WHITE	
CCT	CONVERSION FACTOR
3000K	0.95
3500K	0.98
4000K	1.00
5000K	0.96



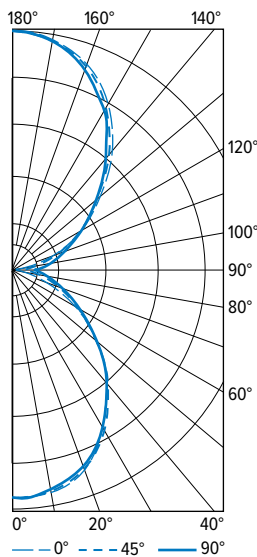
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Standard results based on 3500K, 80CRI, actual lumens may vary +/-5%.
- Tunable white results based on 4000K, 80 CRI, actual lumens may vary +/-5%.
- Use multiplier tables to calculate additional options.
- Fixture performance is the same for up and downlight.

¹ Fixture contains two nodes, one power drop per node required.

STANDARD	
CCT	CONVERSION FACTOR
2700K	0.80
3000K	0.82
3500K	0.83
4000K	0.86
5000K	0.89

PHOTOMETRY

AX2UD-4-P23U/P23D/835-S Total Luminaire Output: 4608 lumens; 46 Watts | Efficacy: 100 lm/W | 84 CRI; 3478K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	904	904	904	
5	917	897	891	85
15	876	867	858	244
25	789	778	771	359
35	652	654	643	407
45	497	501	495	387
55	341	361	357	320
65	201	234	246	231
75	87	133	161	141
85	21	65	101	73
90	4	45	84	
95	30	79	123	85
105	123	150	181	161
115	241	250	262	251
125	385	372	377	337
135	534	515	501	400
145	686	666	653	418
155	811	798	780	368
165	900	895	886	252
175	942	945	936	89
180	946	946	946	

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 30	688	15
	0 - 40	1095	24
	0 - 60	1802	39
	0 - 90	2246	49
	90 - 120	497	11
	90 - 150	1653	36
	90 - 180	2362	51
	0 - 180	4608	100

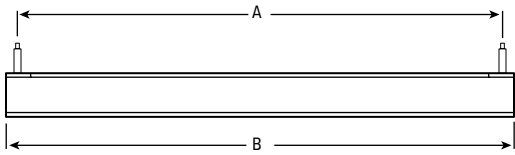


AX2UD PoE | tunable WHITE

2" Suspended Architectural Up/Down

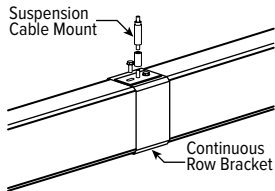
MOUNTING DETAILS

SIDE VIEW



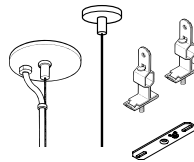
NOMINAL LENGTH	MOUNTING LENGTH (A)	ACTUAL LENGTH (B)
2'	24-5/8"	25-7/8"
4'	46-13/16"	48-1/16"
8'	89-7/8"	91-1/8"

CONTINUOUS ROW FIXTURES



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

STANDARD HARDWARE (Grid & Hardpan)



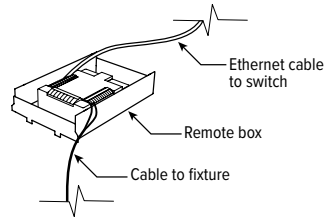
- Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.
- Electrical supply is brought into the feeder fixture, either as part of a row or as a stand-alone unit. One power drop per node required.

REMOTE MOUNT DETAILS

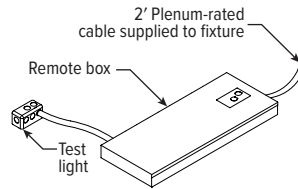
Includes 2' plenum-rated 18ga. solid cable. Remote box can be installed in:

- Above ceiling grid
- Remote closet (within 100ft)
- Surface below ceiling

NODE

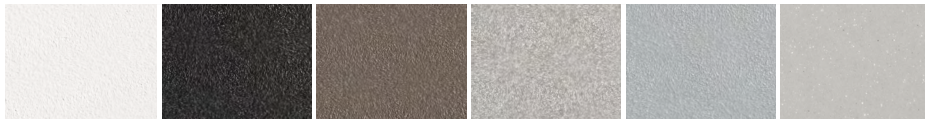


NODE AND EM OPTION



FINISH OPTIONS

WHITE BLACK BRONZE NICKEL SILVER ALUMINUM



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.

