

AX2D

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Create scalable, highly functioning smart buildings with Platformatics Power over Ethernet controls
- 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

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.

SYSTEM REQUIREMENTS

- PoE-ready luminaires are connected to building power systems through network integration and require other components for complete PoE lighting system
- For additional PoE info, see hew.com/poe
- Consult factory for design support



ORDERING EXAMPLE: AX2U - 4 - P23/835 - S - AC/D48 - OPTIONS - POE PR

ORDERING INFO

SERIES	LENGTH	LUMENS ^[1]	CRI	CCT	FIXTURE TYPE
AX2D Down	2 2'	2'	8 80	30 3000K	F Feeder unit ^[3]
AX2U Up	4 4'	P14 1,400lm	9 90 ^[2]	35 3500K	J Joiner unit ^[4]
	8 8'	4'		40 4000K	S Stand-alone unit ^[5]
		P23 2,300lm		50 5000K	
		8'		TW Tunable white (80 CRI, 3000K-5000K)	
		P47 4,700lm			

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.

CONTROL^[7]

POE PR Power over Ethernet, Platformatics-ready

NOTES

- ¹ Nominal lumen output based on 80 CRI, 3000K for single CCT and 4000K for TW. See page 2 for FIXTURE PERFORMANCE DATA.
- ² Extended lead times may apply. Consult factory for availability. Not available with tunable white.
- ³ Straight white cord standard, two end plates, field installed.
- ⁴ Straight white cord standard, no end plates.
- ⁵ Straight white cord standard, two end plates installed
- ⁶ See page 3 for MOUNTING DETAILS.
- ⁷ See page 3 for NODE CONNECTION DETAILS. For additional PoE info, see hew.com/poe.



AX2 PoE | tunable WHITE 2" Suspended Architectural

FIXTURE PERFORMANCE DATA

STANDARD

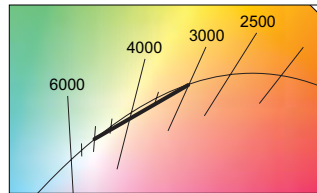
	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2"	P14	1405	14.3	98.5
4"	P23	2304	23.0	100.3
8"	P47	4734	44.6	106.1

TUNABLE WHITE

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2"	P14	1413	15.9	89.0
4"	P23	2302	25.6	90.1
8"	P47	4717	50.2	94.0

MULTIPLIER TABLES

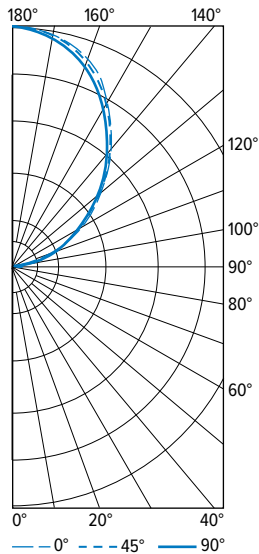
COLOR TEMPERATURE			
	CCT	LUMENS	
		STANDARD	TUNABLE WHITE
80 CRI	2700K	0.97	-
	3000K	0.99	0.95
	3500K	1.00	0.98
	4000K	1.03	1.00
	5000K	1.06	0.96
90 CRI	2700K	0.80	-
	3000K	0.82	-
	3500K	0.83	-
	4000K	0.86	-
	5000K	0.89	-



- 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.

PHOTOMETRY

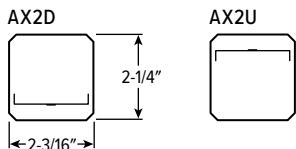
AX2U-4-P23/835-S Total Luminaire Output: 2304 lumens; 23 Watts | Efficacy: 100 lm/W | 80 CRI; 3500K CCT



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	8	2
55	0	6	13	6
65	0	9	20	10
75	0	14	28	15
85	1	18	33	21
90	6	26	45	
95	28	48	69	57
105	119	127	145	140
115	235	233	237	237
125	371	364	349	328
135	514	501	486	391
145	657	651	629	407
155	796	783	767	360
165	877	871	856	245
175	917	917	913	87
180	924	924	924	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	0	0
	0 - 40	0	0
	0 - 60	8	0
	0 - 90	53	2
	90 - 120	433	19
	90 - 150	1559	68
	90 - 180	2251	98
	0 - 180	2304	100

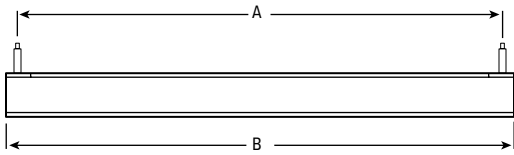
CROSS SECTIONS



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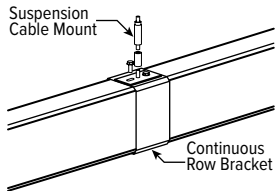
MOUNTING DETAILS

SIDE VIEW



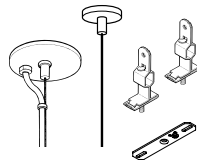
NOMINAL LENGTH	MOUNTING LENGTH (A)	ACTUAL LENGTH (B)
2'	24-5/8"	25-7/8"
4'	46-13/16"	48-1/16"
8'	89-7/8"	91-1/8"

CONTINUOUS ROW FIXTURES



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

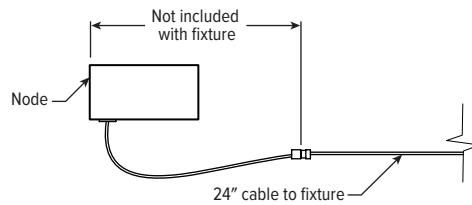
STANDARD HARDWARE (Grid & Hardpan)



- 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.

NODE CONNECTION DETAILS

Includes 24" cable with 4-position mating connector for Platformatics POE-LN2 node. See node spec sheet for details: platformatics.com/product/poe-ln2



FINISH OPTIONS

SILVER SPARKLE WHITE BLACK BRONZE NICKEL 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.

