

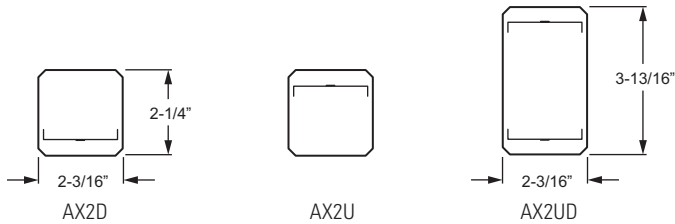
2" SUSPENDED ARCHITECTURAL

AX2

CATALOG #:	TYPE:							
PROJECT:	NOTES:							
EXAMPLE → AX2 U - 4 - P25/835 - S - P24/W - OPTIONS - POE N								
SERIES	DIST.	NOM. LENGTH	LUMEN PACKAGE	CRI & CCT	FIXTURE TYPE	POWER SUPPLY	OPTIONS/ ACCESSORIES	CONTROL



CROSS SECTIONS



ORDERING INFORMATION

SERIES
AX2 2" Suspended Architectural – PoE

DISTRIBUTION
U Uplight
D Downlight
UD Up and Downlight

NOMINAL LENGTH
2 2' (Uplight or Downlight only)
4 4'
8 8'

LED PACKAGE
 Nominal lumen output based on 3500 CCT. Actual lumens may vary +/-5%, see fixture performance data.

UPLIGHT OR DOWNLIGHT ONLY

EXAMPLE: P25/835				WATTAGE
LENGTH	LUMEN PACKAGE	NOMINAL LUMENS	MINIMUM CRI & CCT	
2'	P15	1,500	827 = 82 CRI, 2700K 830 = 82 CRI, 3000K 835 = 82 CRI, 3500K 840 = 82 CRI, 4000K	16
4'	P25	2,500		25
8'	P51	5,100		49

UP & DOWNLIGHT ONLY
 Total system wattage shown.
 Specify lumen packages: **U** for Uplight and **D** for Downlight.

EXAMPLE: P25U/P25D/835				WATTAGE
LENGTH	LUMEN PACKAGE	NOMINAL LUMENS	MINIMUM CRI & CCT	
4'	P25	2,500	827 = 82 CRI, 2700K 830 = 82 CRI, 3000K 835 = 82 CRI, 3500K 840 = 82 CRI, 4000K	50
8'	P51	5,100		98

FIXTURE TYPE
F Feeder unit, straight white cord standard, two end plates, field installed.
J Joiner unit, straight white cord standard, no end plates
S Stand-alone unit, straight white cord standard, two end plates installed

POWER SUPPLY
 Aircraft cable mounting hardware included, determined by cord length. Please specify cord type using ordering example below. See page 3 for mounting details.

EXAMPLE: P24/W		
CORD TYPE	LENGTH	COLOR
P = PoE	24 = 24"	/W = White /B = Black
	48 = 48"	
	96 = 96"	

OPTIONS
 For color options, visit the AX2 online at hew.com.

ACCESSORIES
 See hew.com/poe for compatible sensors & switches

CONTROL
 For additional PoE info, see hew.com/poe
 Node requires remote mounting, see page 3 for details.
 AX2UD allows for independent up and down switching.
POE N Power over Ethernet network node
POE D Power over Ethernet device node (not available for fixtures over 40W)

FEATURES

- ▶ Williams turn-key Power over Ethernet (PoE) solution provides plug-and-play networked lighting and control.
- ▶ Efficacies up to 107 lm/W
- ▶ Available in six finish colors; matte, smooth aluminum standard.
- ▶ 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
- ▶ Frosted acrylic lens
- ▶ This fixture is proudly made 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



PoE

PHOTOMETRY

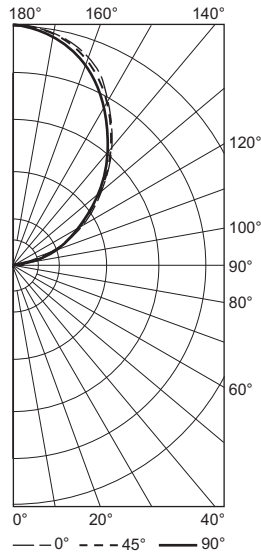
SPECIFICATIONS

- 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 boards. L70 at 60,000 hours per IES TM-21. Low-voltage DC fixture, to be fed by Class 2 power supply.
- Mounting** – Suspended. 1/16" diameter adjustable steel leveling aircraft cable and mounting hardware necessary for grid ceiling applications provided.
- Labels** – cCSAus certified as luminaire suitable for dry or damp locations.
- Warranty** – 5-year limited warranty, see www.hew.com/warranty.

IMPORTANT:

Electrostatic sensitive unit. Observe precautions when handling.

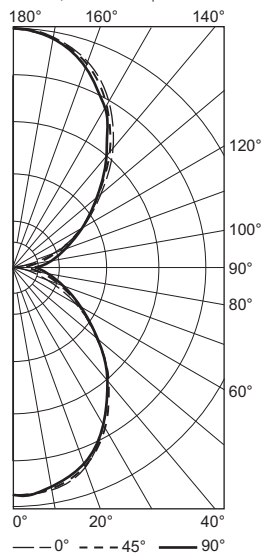
AX2U-4-P25/835-S Total Luminaire Output: 2515 lumens; 25 Watts
Efficacy: 101 lm/W | 84 CRI; 3483K CCT | IES Spacing Criteria: End: 1.2, Across: 1.2, Diagonal: 1.2



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	9	2
55	0	6	15	6
65	0	10	22	11
75	0	15	31	16
85	1	20	36	23
90	7	29	49	
95	31	53	75	62
105	130	139	159	153
115	256	254	258	258
125	405	397	381	358
135	561	546	531	427
145	717	710	686	444
155	869	854	837	393
165	957	951	935	268
175	1001	1001	997	95
180	1009	1009	1009	

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	0	0
	0 - 40	0	0
	0 - 60	8	0
	0 - 90	58	2
	90 - 120	473	19
	90 - 150	1702	68
	90 - 180	2457	98
	0 - 180	2515	100

AX2UD-4-P25U/P25D/835-S Total Luminaire Output: 5030 lumens; 50 Watts
Efficacy: 101 lm/W | 84 CRI; 3478K CCT | IES Spacing Criteria: End: 1.2, Across: 1.2, Diagonal: 1.2



Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	987	987	987	
5	1001	979	972	93
15	956	946	937	266
25	861	849	842	392
35	712	714	702	444
45	542	547	540	422
55	372	394	390	350
65	219	256	269	252
75	95	145	176	154
85	23	71	110	80
90	5	49	91	
95	33	86	135	93
105	135	164	198	176
115	263	273	285	274
125	420	406	412	368
135	583	563	547	437
145	749	727	713	456
155	885	871	852	402
165	982	977	967	275
175	1028	1031	1022	97
180	1033	1033	1033	

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	751	15
	0 - 40	1195	24
	0 - 60	1967	39
	0 - 90	2452	49
	90 - 120	543	11
	90 - 150	1804	36
	90 - 180	2579	51
	0 - 180	5030	100

FIXTURE PERFORMANCE DATA

UP OR DOWNLIGHT

	LED PACKAGE	NOMINAL LUMENS	WATTAGE	EFFICACY (LM/W)
2'	P15	1530	16	97.7
4'	P25	2515	25	100.6
8'	P51	5114	49	104.4

UP & DOWNLIGHT

	LED PACKAGE	UP		DOWN		EFFICACY (LM/W)
		NOMINAL LUMENS	WATTAGE	NOMINAL LUMENS	WATTAGE	
4'	P25	2515	25	2515	25	100.6
8'	P51 ¹	5114	49	5114	49	104.4

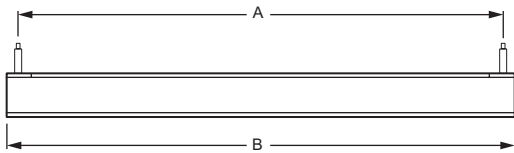
- ¹ Fixture contains two nodes; one power drop per node required.
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Results based on 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

MULTIPLIER TABLE

COLOR TEMPERATURE	
CCT/CRI	CONVERSION FACTOR
2700K/80CRI	0.97
3000K/80CRI	0.99
3500K/80CRI	1.00
4000K/80CRI	1.03

FIXTURE DETAILS

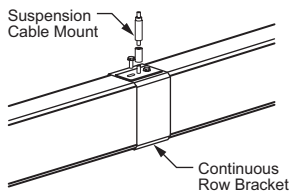
SIDE VIEW



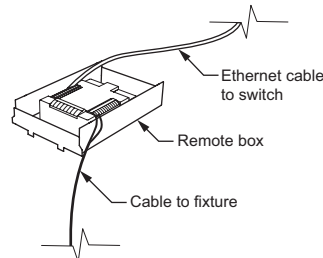
NOMINAL LENGTH	MOUNTING LENGTH (A)	ACTUAL LENGTH (B)
2'	24-5/8"	25-7/8"
4'	46-13/16"	48-1/16"
8'	89-7/8"	91-1/8"

CONTINUOUS ROW FIXTURES

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



REMOTE MOUNT NODE DETAILS

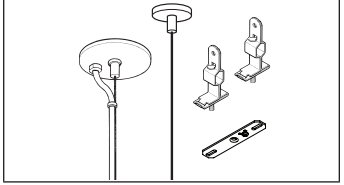


Includes 2' plenum rated 18ga. solid cable. Remote box can be installed in:

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

See Technical Info for dimension details.

STANDARD HARDWARE (Grid and Hardpan)



Notes:

- Fixtures are provided with adjustable length aircraft cables and mounting hardware for 1" grid or hardpan ceilings. Aircraft cable is determined by cord length, specified.
- Electrical supply is brought into each fixture, either as part of a row or as a stand-alone unit. One power drop per node required.

