

# 2" SUSPENDED ARCHITECTURAL

# AX2

tunable **WHITE**



AX2D shown

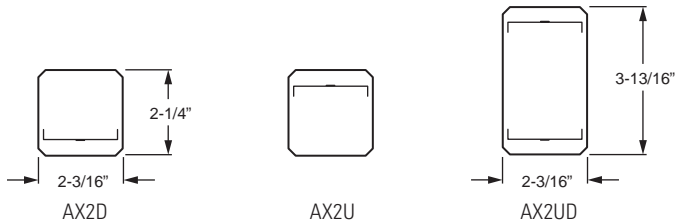
CATALOG #:	TYPE:
PROJECT:	NOTES:

EXAMPLE

**AX2 U - 4 - L30/8TW - S - AC/D48 - OPTIONS - DALI - UNV**

SERIES	DIST.	NOMINAL LENGTH	LUMEN PACKAGE	CRI & CCT	FIXTURE TYPE	MOUNTING	OPTIONS/ ACCESSORIES	CONTROL	VOLTAGE
--------	-------	----------------	---------------	-----------	--------------	----------	----------------------	---------	---------

## CROSS SECTIONS



## ORDERING INFORMATION

**SERIES**  
**AX2** 2" Suspended Architectural – Tunable White

**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 4000K CCT. Actual lumens may vary +/-5%, see fixture performance data. Additional LED lumen packages available, see options.

### UPLIGHT OR DOWNLIGHT ONLY

EXAMPLE: L30/8TW		
LUMEN PACKAGE	NOMINAL LUMENS	WATTAGE
2'		
L15	1,500	19
4'		
L30	3,000	36
8'		
L60	6,000	72

### UP & DOWNLIGHT ONLY

System wattage per compartment shown. Specify lumen packages: **U** for Uplight and **D** for Downlight.

EXAMPLE: L33U/L33D/8TW		
LUMEN PACKAGE	NOMINAL LUMENS	WATTAGE
4'		
L15	1,500	17
L30	3,000	36
8'		
L33	3,300	37
L60	6,000	72

Additional LED lumen packages available, see options.

**CRI & CCT**  
**8TW** Tunable white (80 CRI, 3000K–5000K)

**FIXTURE TYPE**  
**F** Electrical feeder unit, 3-conductor straight white cord standard (wire gauge to be determined by row length), quick-connect wiring harness, two end plates, field installed.  
**J** Joiner unit, no cord, quick-connect wiring harness, no end plates  
**S** Stand-alone unit, 3-conductor straight white cord standard, two end plates installed

**MOUNTING**  
 See page 2 for details.

EXAMPLE: AC/D48		
MOUNTING	TYPE	LENGTH
AC/ = Aircraft	D = 1' grid & hardpan	24 = 24"
	N = 9/16" grid	48 = 48"
	S = Slot grid	96 = 96"

**OPTIONS**  
 EM drivers not available. For color options, visit the AX2 online at [hew.com](http://hew.com).  
**(L\_\_)** Additional lower lumen packages available. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.  
**Example:** 2,500 nominal lumens = AX2U-4-L30/8TW-S-(L25)

**CONTROL**  
 See page 4 for details.  
**DALI** Driver prewired for DALI applications

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

## FEATURES

- ▶ Tunable white from 3000K to 5000K CCT, minimum 80 CRI.
- ▶ 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



### 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. 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.

**Labels** – 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 [www.hew.com/warranty](http://www.hew.com/warranty).

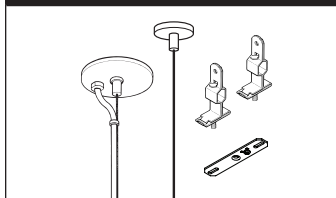
### IMPORTANT:

Electrostatic sensitive unit. Observe precautions when handling.

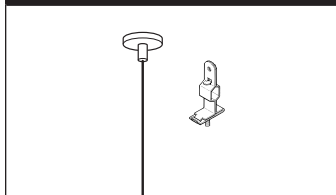
#### STANDARD HARDWARE

(Grid and Hardpan)

#### FEEDER



#### JOINER



#### 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.

### FIXTURE PERFORMANCE DATA

#### UP OR DOWNLIGHT

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2'			
L15	1560	18.6	84.1
4'			
L30	3029	35.9	84.4
8'			
L60	6057	71.8	84.4

#### UP & DOWNLIGHT<sup>1</sup>

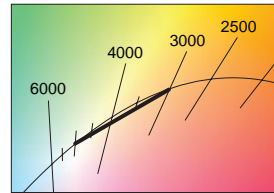
LED PACKAGE	DELIVERED LUMENS	WATTAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
4'					
L15	1508	16.8	1508	16.8	89.7
L30	3029	35.9	3029	35.9	84.4
8'					
L33	3311	37.1	3311	37.1	89.3
L60	6057	71.8	6057	71.8	84.4

<sup>1</sup> Performance is the same for up and downlight.

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on 4000K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

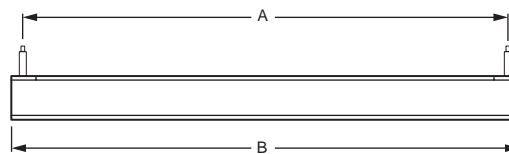
#### MULTIPLIER TABLE

CCT	CONVERSION FACTOR	
	LUMENS	WATTAGE
3000K	0.95	1.04
3500K	0.98	1.02
4000K	1.00	1.00
5000K	0.96	1.04



### FIXTURE DETAILS

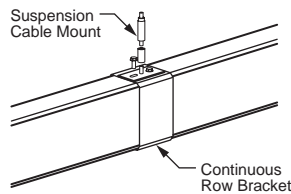
#### SIDE VIEW



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.



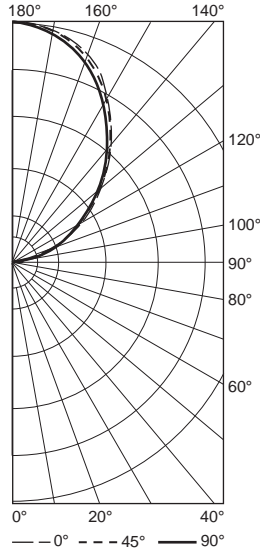
#### CONTROL DETAILS

##### DALI



## PHOTOMETRY

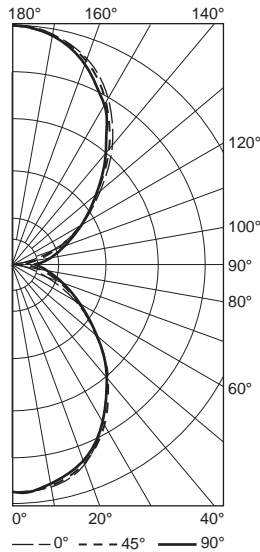
**AX2U-4-L30/8TW-S** Total Luminaire Output: 3029 lumens; 35.9 Watts  
 Efficacy: 84 lm/W | 84 CRI; 3483K CCT | IES Spacing Criteria: End: 1.2, Across: 1.2, Diagonal: 1.2



Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0	0	0	0	0
5	0	0	0	0
15	0	0	0	0
25	0	0	0	0
35	0	0	0	0
45	0	0	10	2
55	0	7	18	7
65	0	12	26	13
75	0	19	37	20
85	1	24	44	28
90	8	34	59	
95	37	63	90	75
105	157	167	191	184
115	308	306	311	311
125	487	478	459	431
135	676	658	639	514
145	864	856	827	535
155	1047	1029	1008	473
165	1153	1145	1126	322
175	1205	1206	1200	114
180	1215	1215	1215	

Zone	Lumens	% Fixture
0 - 30	0	0
0 - 40	0	0
0 - 60	10	0
0 - 90	70	2
90 - 120	570	19
90 - 150	2049	68
90 - 180	2959	98
0 - 180	3029	100

**AX2UD-4-L30U/L30D/8TW-S** Total Luminaire Output: 6058 lumens; 71.8 Watts  
 Efficacy: 84 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	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
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

