

# AC MX4UD

## 4" Continuous Up/Down - Suspended

AGILE-CORE™  
Distributed Edge Architecture

PROJECT:

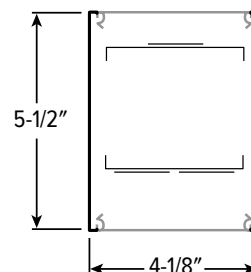
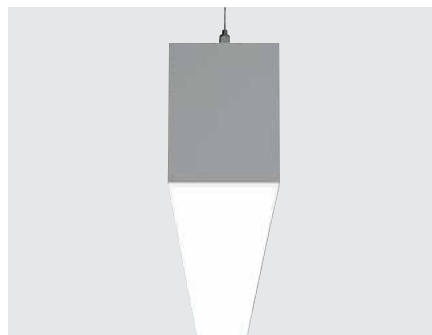
QTY:

TYPE:

CATALOG:

### SPECIFICATIONS:

<b>Housing</b>	Extruded aluminum with die-cast end plates
<b>Shielding</b>	Extruded diffuse acrylic lens
<b>Finish</b>	Textured matte white polyester TGIC powder coat onod to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication.
<b>Electrical</b>	High-quality mid-power LED boards. L70 >60,000 hours.
<b>Mounting</b>	Suspended. 1/16" diameter adjustable steel leveling aircraft cable and mounting hardware necessary for grid and hardpan ceiling applications provided.
<b>Listings</b>	<ul style="list-style-type: none"><li>• cCSAus certified as luminaire suitable for dry or damp locations.</li><li>• Buid America, Buy America (BABA) and Buy American Acc (BAA) compliant.</li></ul>
<b>Warranty</b>	5-year limited warranty



### FEATURES:

- Maximum energy savings with efficacies up to 140 lm/W
- No in-luminaire drivers extending fixture life, using less materials and lowering costs
- Daisy chain multiple fixtures per home run
- Compatible with cat 6 patch cables when used with XPD accessory
- Specify in one inch increments to create a perfect fit
- Moveable mounting hardware easily slides along the length of the fixture providing variable mounting points for continuous rows
- Corner configurations available
- Made in the USA

### CERTIFICATIONS



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### ORDERING GUIDE:

Example Catalog # AC MX4UD 12'00 L7/835 F AC/D48 FL

Family	Illuminated Length <sup>1</sup>	Lumen Package (Example: P7/835U/P7/835D) Specify lumen packages: U for Uplight and D for Downlight			
		Lumens <sup>5</sup>	CRI	CCT	U or D
AC MX4UD	Lengths specified in feet and inches using 4" increments, 2' minimum. Example: 12'00 = 12'-0"	L7 700lm	8 80 9 90	27 2700K	U Uplight D Downlight
		L11 1100lm L14 1400lm L27 2700LM		30 3000K 35 3500K 40 4000K 50 5000K  TW Tunable White (80 CRI, 3000K-5000K)	

**Product Builder**  
Easily build shapes & simplify ordering, please contact your Sinclair Digital Sales Representative<sup>2</sup>



Shielding Up	Shielding Down	Mounting (Example: AC/D48) <sup>6</sup>			Pwr/Control	Options <sup>7</sup>
A Flat, semi-diffuse acrylic  F Flat, diffuse acrylic <sup>3</sup>	F Flat, diffuse acrylic  P Proud, diffuse acrylic with 5/16" drop <sup>4</sup>	Prefix AC/	Type D 1" grid & hardpan N 9/16" grid S Slot grid	Length 24 24" 48 48" 96 96"	FL flying leads AGILE-CORE™ ready	ASYD Downlight asymmetric distribution <sup>8</sup>  ASYU Uplight asymmetric distribution <sup>9</sup>  ASYUD Up and down light asymmetric distribution <sup>10</sup>

1 Endcaps add 7/8" to overall specified length.  
2 See page 5 for CORNER DETAILS.  
3 Recommended for use in applications where fixture will be viewed from above. Decreases lumen output.  
4 See page 5 for CROSS SECTIONS. Not available with corner configurations.  
5 Lumens per foot output based on F Shielding, 80 CRI, 3500K for single CCT and 4000K for TW. Actual performance may vary ±5%. See page 3 for FIXTURE PERFORMANCE DATA.  
6 See page 5 for MOUNTING DETAILS.  
7 See page 5 for FINISH OPTIONS.  
8 Available with A and F shielding only. Creates uneven lens illumination. See page 5 for CROSS SECTIONS.  
9 Available with A and F shielding only. Creates uneven lens illumination. See page 5 for CROSS SECTIONS.  
10 Available with A and F shielding only. Creates uneven lens illumination. See page 5 for CROSS SECTIONS.

## ACCESSORIES

ordered separately

XPD-P2H-G	Adapter - flying leads to dual RJ45
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### PERFORMANCE TABLE

PER FOOT

	Delivered Lumens			Total Wattage	Efficacy (lm/W)	Control	LED Channels*	LED Vf max (V)	LED If max/ ch (mA)
	Up	Down	Total						
L11/835U/L10/835D	1110	984	2094	15	140	sold separately	varies	33	456
L14/835U/L7/835D	1443	660	2103	15	140		varies	33	456
L7/835U/L3/835D	746	1278	2024	15	135		varies	33	456
L14/835U/L13/835D	1443	1278	2721	20	136		varies	33	600
L21/835U/L7/835D	2120	660	2780	20	139		varies	33	600
L7/835U/L19/835D	746	1877	2623	20	131		varies	33	600
L21/835U/L19/835D	2120	1877	3997	30	133		varies	34	888
L14/835U/L24/835D	1443	2437	3880	30	129		varies	34	888
L27/835U/L13/835D	2751	1278	4029	30	134		varies	34	888

\* Consult factory for # of channels

TUNABLE WHITE (Per Foot)

Delivered Lumens	Wattage	Efficacy (Lm/W)
1427	11	130

- Photometrics tested in accordance with IESNA LM-79. Results based on F shielding, 80 CRI/3500K CCT static white, 4000K CCT tunable white, and 25°C ambient temperature. Actual performance may vary +/-5%.
- Use multiplier tables to calculate additional options.

MULTIPLIER TABLE

	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	-

ASY Option	
Wattage	Efficacy (Lm/W)
1.02	0.98

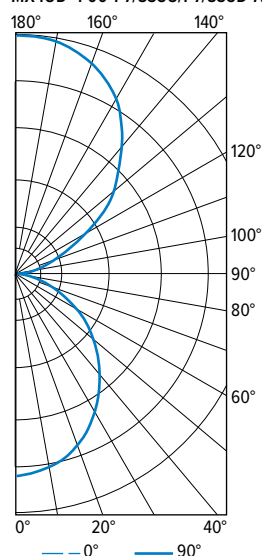
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## PHOTOMETRY

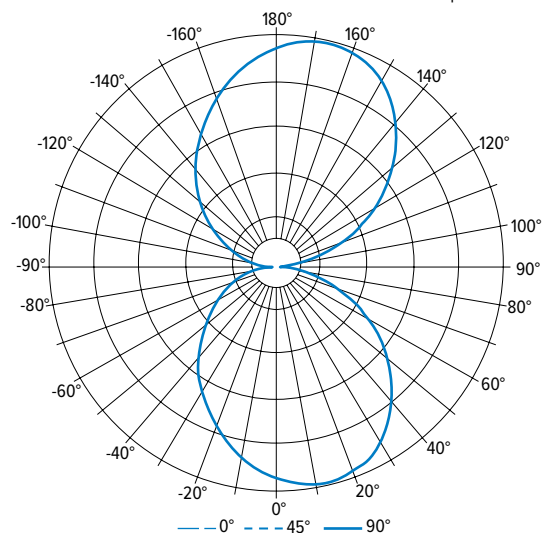
MX4UD-4'00-P7/835U/P7/835D-A/F Total Luminaire Output: 5740 lumens; 46.8 Watts | Efficacy: 123 lm/W | 80 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0°	45°	90°	135°	180°	
0	985	985	985	985	985	
5	1002	992	968	966	976	93
15	957	949	930	916	921	263
25	875	868	839	830	830	390
35	750	745	722	707	700	453
45	604	602	582	568	540	448
55	455	444	424	417	412	383
65	288	281	271	266	266	271
75	137	130	124	127	120	137
85	24	21	15	19	21	30
90	5	5	10	5	5	
95	50	58	60	53	48	61
105	172	185	187	168	148	189
115	341	364	381	336	307	350
125	558	576	594	544	508	506
135	799	808	810	772	734	607
145	980	983	990	945	925	606
155	1110	1113	1119	1082	1062	507
165	1177	1180	1192	1160	1146	331
175	1191	1196	1218	1185	1168	114
180	1192	1192	1192	1192	1192	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	746	13
	0 - 40	1198	21
	0 - 60	2029	35
	0 - 90	2468	43
	90 - 120	601	11
	90 - 130	1107	19
	90 - 150	2320	40
	90 - 180	3272	57
	0 - 180	5740	100

MX4UD-4'00-P7/835U/P7/835D-ASYUD Total Luminaire Output: 5740 lumens; 48 Watts | Efficacy: 120 lm/W | 80 CRI; 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0°	45°	90°	135°	180°	
0	1018	1018	1018	1018	1018	
5	1014	1037	1049	1037	1014	96
15	972	1046	1078	1046	972	274
25	893	1002	1048	1002	893	413
35	778	904	956	904	778	491
45	641	767	814	767	641	500
55	495	604	644	604	495	448
65	339	425	456	425	339	342
75	180	243	265	243	180	200
85	44	76	88	76	44	60
90	4	23	34	23	4	
95	45	78	91	78	45	62
105	185	251	274	251	185	207
115	350	439	471	439	350	353
125	511	624	665	624	511	462
135	662	792	840	792	662	516
145	803	933	987	933	803	507
155	922	1035	1082	1035	922	426
165	1004	1080	1113	1080	1004	283
175	1047	1071	1083	1071	1047	99
180	1050	1050	1050	1050	1050	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	784	14
	0 - 40	1274	22
	0 - 60	2222	39
	0 - 90	2824	49
	90 - 120	622	11
	90 - 130	1084	19
	90 - 150	2107	37
	90 - 180	2916	51
	0 - 180	5740	100

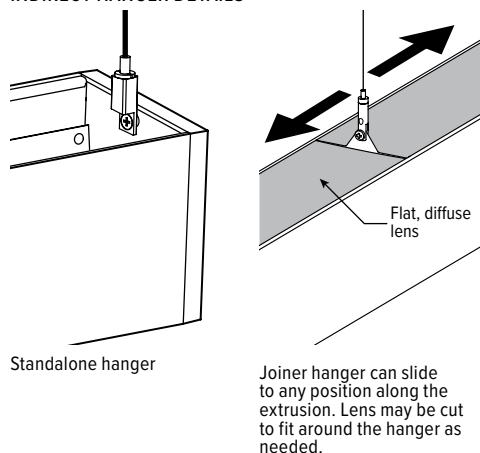
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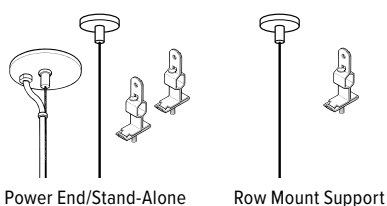
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### MOUNTING DETAILS

#### INDIRECT HANGER DETAILS



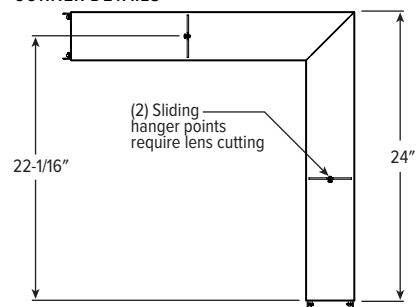
#### STANDARD HARDWARE



#### Notes:

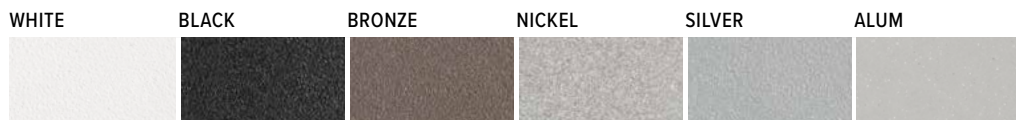
- Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.
- Electrical supply is brought into the feeder (or stand-alone) fixture, either as part of a row or as an individual mount unit. Power feed locations are at end of fixture.
- One 5" canopy included for each feeder fixture. One 2" canopy included for each additional fixture required in a row.

#### CORNER DETAILS



Note: Corner orientation determined in field. Feeder corner end cap shipped separately.

### FINISH OPTIONS



### CROSS SECTIONS

