

Project		Catalog #		Type	
Prepared by		Notes		Date	



LUMARK AP

XAS All-Selectable Area Site

Area / Site Luminaire

Product Features



Product Certifications



Interactive Menu

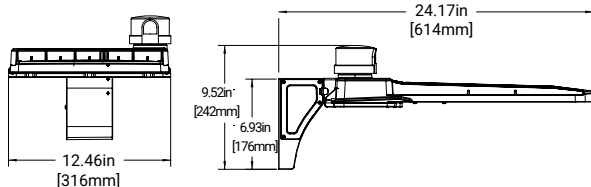
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Quick Facts

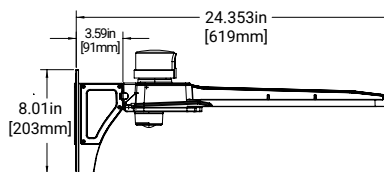
- 4 selectable wattage levels - Up to 46K lumen output
- 3 selectable color temperatures (3000K-4000K-5000K)
- 3 selectable distributions (T3-T4-T5)
- 2 housing sizes (180W & 300W)
- 2 finish colors (bronze & black)
- Included with fixture: 3 pin twistlock photocell and 2 mounts (slipfitter and pole) with each fixture

Dimensional Details

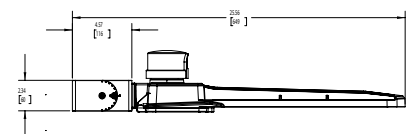
XAS180 - Pole Mount



XAS180 - Wall Mount



XAS180 - Trunnion Mount



additional product diagrams

Stock Ordering Information

Model Number ¹	Wattage	Color Temperature	Distribution	Voltage	Included Mounting	Controls
XAS180-SFPM-BZ = 180W, Slipfitter & Pole Mount Arm, 120-347V, PC, Bronze XAS180-SFPM-BK = 180W, Slipfitter & Pole Mount Arm, 120-347V, PC, Black	180W-144W-108W-72W	Selectable CCT: 3000, 4000, 5000K / 80CRI	T3, T4, T5	120-347V, 50/60Hz	Slipfitter, Pole	3 pin twistlock photocell
XAS300-SFPM-BZ = 300W, Slipfitter & Pole Mount Arm, 120-347V, PC, Bronze XAS300-SFPM-BK = 300W, Slipfitter & Pole Mount Arm, 120-347V, PC, Black	300W-240W-180W-120W					

Accessories

ADJPM-XAS-BZ=Sq/Rd Adjustable Pole Mount Accessory, Bronze
YK-XAS-BZ=Trunnion Mount Accessory, Bronze
WM-XAS-BZ=Wall Mount Accessory, Bronze

ADJPM-XAS-BK=Sq/Rd Adjustable Pole Mount Accessory, Black
YK-XAS-BK=Trunnion Mount Accessory, Black
WM-XAS-BK=Wall Mount Accessory, Black

HSS-XAS180=House Side Shield, 180W
HSS-XAS300=House Side Shield, 300W

NOTES:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.

Product Specifications

Construction

- Die-cast aluminum housing with hinged, die-cast aluminum door
- Pole mount arm mounts directly to minimum 4 inch round or square poles (recommended Type N drill pattern)
- Vertical slipfitter mounts 2-3/8"; Downward facing only
- IP65 rated housing enclosure

Optics

- UV-resistant polycarbonate optics
- Full cutoff when mounted at 0 degrees tilt
- 80CRI
- IP66 rated optical enclosure

Controls

- 4-position lumen selectable. Internal toggle switch for adjusting luminaire lumens.
- Lumen Packages range from ~11,500lm up to ~46,000lm (30W - 250W). Default settings for selectable luminaires are maximum lumen output.
- 3 pin twistlock photocell receptacle is included for default dusk-to-dawn operation.

Electrical

- -40°C minimum operating temperature
- 40°C maximum operating temperature
- >0.9 Power Factor and <20% Total Harmonic Distortion at Max Power
- External Parallel 10kV MOV Surge Protection Device Included Standard
- 0-10V Dimming Driver is standard (dimming leads located inside luminaire driver enclosure)
- 3-PIN NEMA twistlock photocontrol included

Finish

- Bronze and black available
- Finish only warrantied for a period of 1 year

Shipping Data

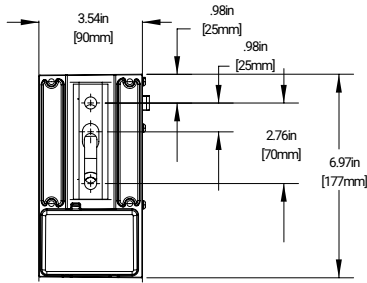
- XAS180: 11.6 lbs. (5.26kgs.)
- XAS300: 14.5 lbs.(6.58kgs.)

Warranty

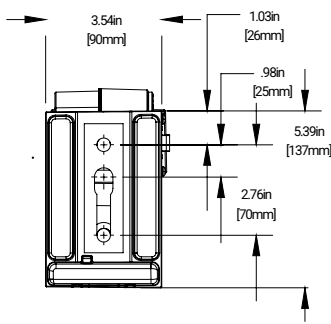
- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Mounting and Dimensional Details

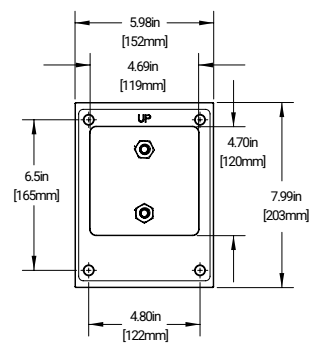
Pole Mount Arm



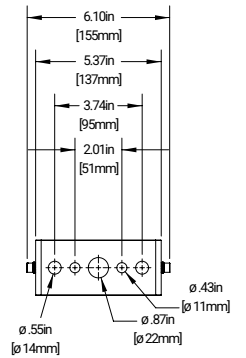
Adjustable Pole Mount Arm



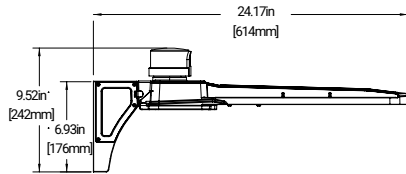
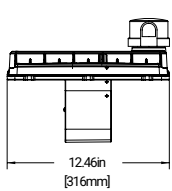
Wall Mount Arm



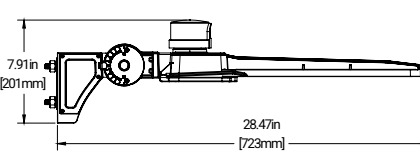
Trunnion Mount Arm



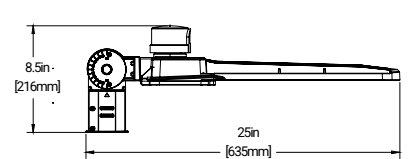
XAS180 - Pole Mount



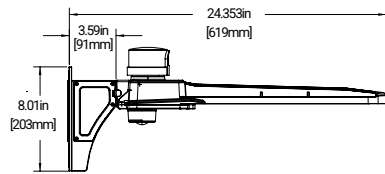
XAS180 - Adjustable Pole Mount



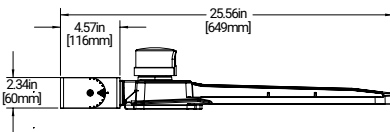
XAS180 - Slipfitter Mount



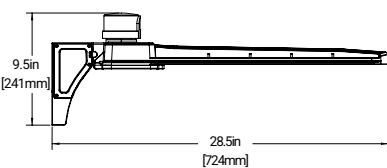
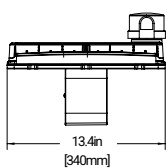
XAS180 - Wall Mount



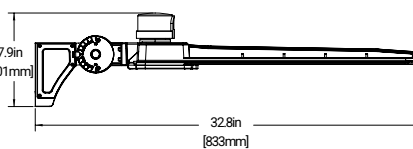
XAS180 - Trunnion Mount



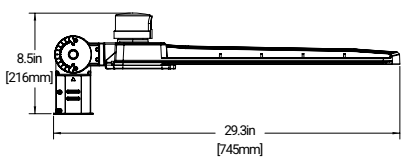
XAS300 - Pole Mount



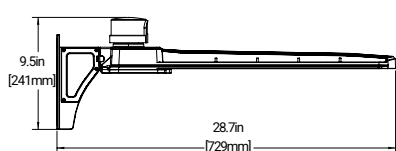
XAS300 - Adjustable Pole Mount



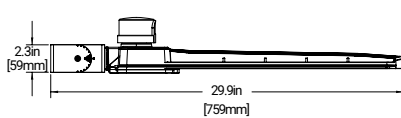
XAS300 - Slipfitter Mount



XAS300 - Wall Mount



XAS300 - Trunnion Mount



Energy and Performance Data

[View XAS IES files](#)

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (54,000 Hours)	Theoretical L70 (Hours)
Up to 25°C	88.34%	141,000

Mounting Configurations and EPAs

XAS180 - at 0° angle (horizontal)

Configuration	EPA
Round Pole	0.48
Square Pole	0.48
Slipfitter	0.53
Yoke	0.44
Adjustable Pole	0.55
House Side Shield	0.38

Lumens

ITEM	CCT	WATTAGE		NO SHIELD			HOUSE SIDE SHIELD		
				TYPE III	TYPE IV	TYPE V	TYPE III	TYPE IV	TYPE V
XAS180	3000	100%	180	25,386	26,023	25,509	22,186	22,496	21,645
		80%	144	21,302	21,837	21,405	18,617	18,877	18,163
		60%	108	16,637	17,054	16,717	14,540	14,743	14,185
		40%	72	11,477	11,765	11,533	10,031	10,171	9,786
	4000	100%	180	27,509	28,199	27,641	24,041	24,377	23,454
		80%	144	22,829	23,401	22,939	19,951	20,230	19,464
		60%	108	17,629	18,071	17,714	15,407	15,622	15,031
		40%	72	11,997	12,298	12,055	10,485	10,632	10,229
	5000	100%	180	26,846	27,520	26,976	23,462	23,790	22,890
		80%	144	22,565	23,131	22,674	19,721	19,996	19,240
		60%	108	17,657	18,100	17,743	15,432	15,647	15,055
		40%	72	12,160	12,465	12,219	10,627	10,776	10,368
XAS300	3000	100%	300	40,642	41,781	40,860	34,437	34,722	33,140
		80%	240	35,358	36,348	35,547	29,959	30,208	28,831
		60%	180	27,971	28,755	28,121	23,701	23,897	22,808
		40%	120	19,734	20,287	19,840	16,721	16,859	16,091
	4000	100%	300	44,612	45,863	44,852	37,801	38,114	36,378
		80%	240	38,101	39,169	38,306	32,284	32,552	31,069
		60%	180	29,824	30,660	29,984	25,270	25,480	24,319
		40%	120	20,730	21,311	20,841	17,565	17,711	16,904
	5000	100%	300	43,470	44,688	43,703	36,833	37,139	35,446
		80%	240	37,481	38,531	37,682	31,758	32,021	30,562
		60%	180	29,683	30,515	29,842	25,151	25,359	24,204
		40%	120	20,936	21,522	21,048	17,739	17,886	17,071

Efficacy

ITEM	CCT	WATTAGE		NO SHIELD			HOUSE SIDE SHIELD		
				TYPE III	TYPE IV	TYPE V	TYPE III	TYPE IV	TYPE V
XAS180	3000	100%	180	140.4	146.9	141.3	122.7	127.0	119.9
		80%	144	145.9	152.6	146.7	127.4	131.9	124.5
		60%	108	151.4	158.5	152.3	132.3	137.0	129.3
		40%	72	156.7	164.0	157.6	136.9	141.7	133.8
	4000	100%	180	158.0	165.3	158.9	138.0	142.9	134.9
		80%	144	161.3	168.8	162.3	141.0	145.9	137.7
		60%	108	164.7	172.3	165.7	143.9	149.0	140.6
		40%	72	167.3	175.1	168.3	146.2	151.4	142.9
	5000	100%	180	148.5	155.4	149.4	129.8	134.3	126.8
		80%	144	154.4	161.6	155.3	134.9	139.7	131.8
		60%	108	160.6	168.1	161.6	140.3	145.3	137.1
		40%	72	166.1	173.8	167.1	145.1	150.2	141.8
XAS300	3000	100%	300	136.3	143.2	137.0	115.6	119.1	111.2
		80%	240	142.7	150.0	143.5	121.0	124.7	116.4
		60%	180	149.5	157.1	150.3	126.8	130.7	122.0
		40%	120	156.6	164.5	157.4	132.7	136.8	127.7
	4000	100%	300	155.9	163.7	156.7	132.1	136.2	127.1
		80%	240	159.8	167.9	160.6	135.5	139.6	130.3
		60%	180	164.5	172.8	165.4	139.5	143.7	134.2
		40%	120	168.3	176.9	169.2	142.7	147.1	137.3
	5000	100%	300	145.0	152.3	145.7	122.9	126.7	118.2
		80%	240	151.1	158.7	151.8	128.1	132.0	123.2
		60%	180	158.5	166.5	159.3	134.4	138.5	129.3
		40%	120	166.0	174.4	166.9	140.8	145.1	135.4