

Project		Catalog #		Type	
Prepared by		Notes		Date	



LUMARK

XAS ALL-SELECTABLE AREA SITE

Area / Site Luminaire

PRODUCT FEATURES & CERTIFICATIONS



INTERACTIVE MENU

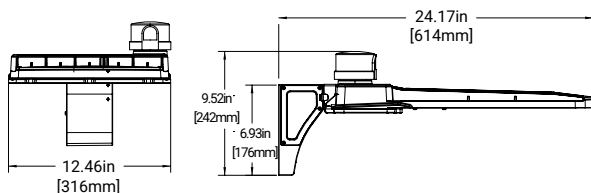
- Stock Ordering Information [page 2](#)
- Product Specifications [page 2](#)
- Mounting Details [page 3](#)
- Energy and Performance Data [page 4](#)

QUICK FACTS

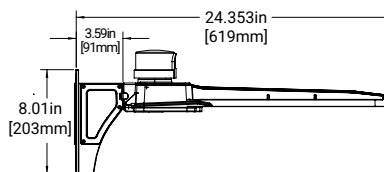
- 4 selectable wattage levels - Up to 46K lumen output
- 3 selectable color temperatures (3000K-4000K-5000K)
- 3 selectable distributions (T3-T4-T5)
- 2 housing sizes (180W & 300W)
- 2 finish colors (bronze & black)
- Included with fixture: 3 pin twistlock photocell and 2 mounts (slipfitter and pole)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

DIMENSIONAL DETAILS

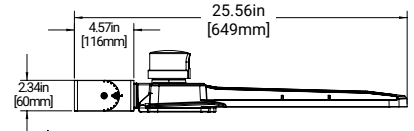
XAS180 - Pole Mount



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

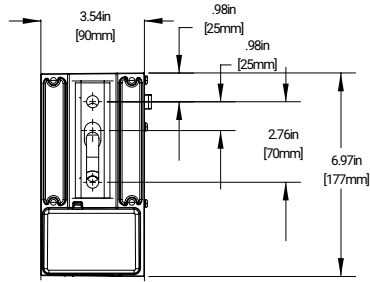
- XAS180: 11.6 lbs. (5.26kgs.)
- XAS300: 14.5 lbs.(6.58kgs.)

Warranty

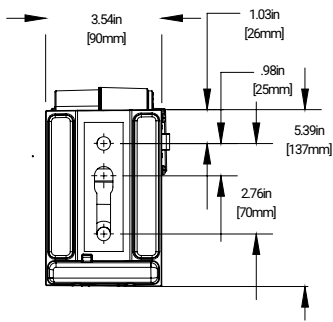
- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

MOUNTING AND DIMENSIONAL DETAILS

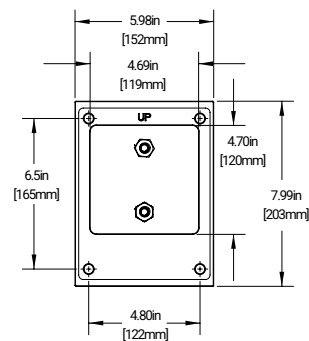
Pole Mount Arm



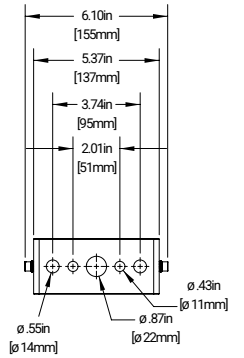
Adjustable Pole Mount Arm



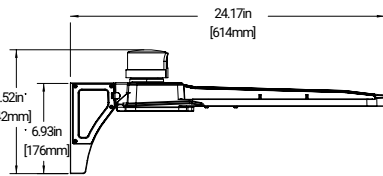
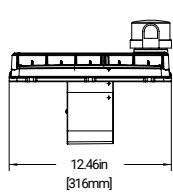
Wall Mount Arm



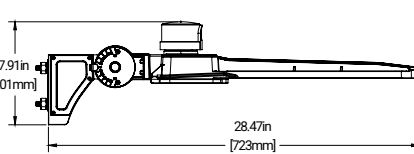
Trunnion Mount Arm



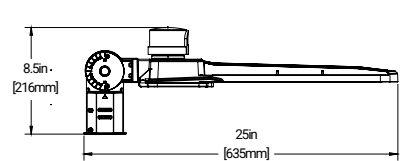
XAS180 - Pole Mount



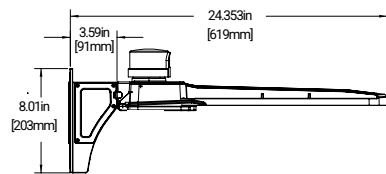
XAS180 - Adjustable Pole Mount



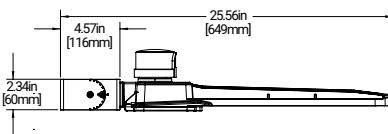
XAS180 - Slipfitter Mount



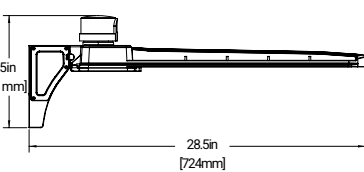
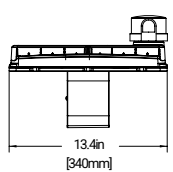
XAS180 - Wall Mount



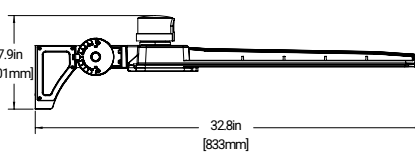
XAS180 - Trunnion Mount



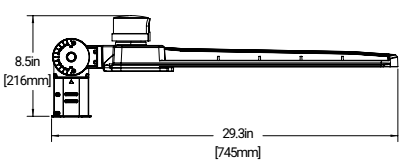
XAS300 - Pole Mount



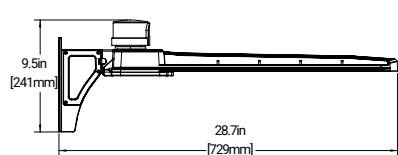
XAS300 - Adjustable Pole Mount



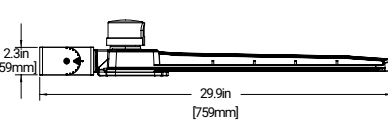
XAS300 - Slipfitter Mount



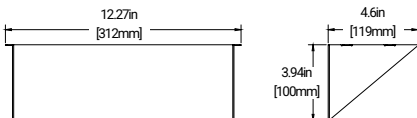
XAS300 - Wall Mount



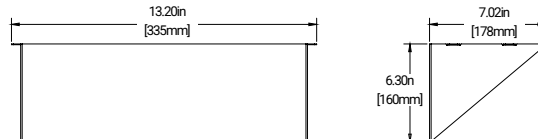
XAS300 - Trunnion Mount



XAS180 HSS



XAS300 HSS



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	0.5
Square Pole	0.5
Slipfitter	0.5
Yoke	0.4
Adjustable Pole	0.6
House Side Shield	0.4

XAS180 - at 45° angle

Configuration	EPA
Slipfitter	1.7
Yoke	1.6
Adjustable Pole	1.7
House Side Shield	0.4

XAS300 - at 0° angle (horizontal)

Configuration	EPA
Round Pole	0.5
Wall Mount	0.5
Square Pole	0.5
Slipfitter	0.6
Yoke	0.5
Adjustable Pole	0.6
House Side Shield	0.4

XAS300 - at 45° angle

Configuration	EPA
Slipfitter	2.2
Yoke	2.1
Adjustable Pole	2.2
House Side Shield	0.4

XAS180

CLP0017734-180W Adjustable Pole Mount	
Configuration	EPA
2 Fixture-90°	2.33
2 Fixture-120°	2.92
2 Fixture-180°	1.74
3 Fixture-90°	2.95
3 Fixture-120°	4.20
4 Fixture-90°	2.97

XAS300

CLP0017735-300W Adjustable Pole Mount	
Configuration	EPA
2 Fixture-90°	3.02
2 Fixture-120°	3.82
2 Fixture-180°	2.23
3 Fixture-90°	3.54
3 Fixture-120°	5.40
4 Fixture-90°	3.77

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