TRACE✷LITE ®
commercial & industrial lighting
BARRON

DESCRIPTION

The AXL2 Series of architectural LED flood/area luminaires is designed to illuminate parking areas, pathways, building facades, loading docks and a wide variety of other large, general site lighting applications. A variety of mounting options make the AXL2 (80W-280W) a versatile flood light with efficacies up to 131 LPW to maximize energy savings and utility rebates.

SPECIFICATIONS

Construction:
• Die-cast aluminum housing with stainless steel hardware and powder coated bronze finish for durability
• Integral heat sink fins maximize heat dissipation
• Wireway enclosure is sealed with a watertight silicone gasket
• Multiple mounts available – must be ordered separately

Optics/LEDs:
• UV Stabilized polycarbonate optical lenses in IES distributions Type II, III, IV, V (7H x 7V) and NEMA distributions: VN (3H x 3V), MN (4H x 4V) and MW (5H x 5V)
• Efficacies up to 131 LPW maximize energy savings and utility rebates
• 80-280W replace up to 750W HID for up to 70% energy savings
• Available in 4000K and 5000K CCT
• L70 of 100,000 hours
• CRI ≥ 80

Electrical:
• Class 2 power supply, 120-277VAC, 50/60Hz
• 0-10V Dimming driver, 2 leads from fixture: one (1) 3 conductor wire for power and one (1) 2 wire for dimming
• Power supply with high power factor of 90% typical
• Total harmonic distortion < 20%
• Standard 10kVA surge protection

Installation:
• Easy installation in new construction or retrofit applications
• Multiple mounts available: adjustable arm, slip-fitter, trunnion and yoke – ordered separately
• Bulllhorn and wall mount accessories available

Accessories (Field Installed):

Mounting Accessories
• Adjustable pole mount arm (AXL2-80/280-A)
• Slip-fitter mount (AXL2-80/280-SF)
• Trunnion mount (AXL2-80/280-T)
• Yoke mount (AXL2-80/140-YK)

Shield Accessories
• Full glare shield (AXL2-xx-FGS)
• Half glare shield (AXL2-xx-HGS)
• Wire guard (AXL2-xx-WG)

Additional Accessories
• Twist-lock receptacle kit (AXL2-TLPCKIT)
• 120-277VAC External pencil photocontrol (PCE1)
• Double 180° Bullhorn Mount (AXL2-80/280-BD)
• Wall mount bracket (WM-T-S-BR)
• Wall mount bracket, 90° (AXL2-80/280-W90)

Testing & Compliance:
• UL Listed for Wet Locations
• IP66 rated
• Operating temperatures: -20°C to 45°C (-4°F to 113°F)
• DesignLights Consortium® (DLC) PREMIUM qualified (consult QPL for specific models)
• Complies with EN61000-4-5 surge immunity (6kVA)

Warranty:
• Five year warranty (terms and conditions apply)

Model: _____ Date: _____

Accessories: _____

Job Name: _____ Type: _____

AVAILABLE WHILE SUPPLIES LAST

Mount Sold
Separately

UL CERTIFIED | DLC LISTED PREMIUM | DAMP | IP66 | 5 YEAR WARRANTY

Specs at a Glance					
Model	AXL2-80	AXL2-100	AXL2-140	AXL2-240	AXL2-280
Wattage (W)*	80	100	140	240	280
Lumens (lm)	10,007	12,083	16,686	28,409	32,955
Efficacy (LPW)	125	131	119	123	119
Equivalency (W)	250W	300W	400W	750W	750W
CCT (K)	4000K, 5000K				
Distribution	Type II, III, IV, V, VN, MN, MW				
CRI	> 80				
Input Voltage	120-277VAC, 50/60Hz				
Operating Temp	-20°C to 45°C (-4°F to 113°F)				
Certifications	cULus Listed for Wet Locations, IP66, DLC PREMIUM				
Warranty	5 Years				
Weight	8.2 lbs	10.8 lbs	11 lbs	11.7 lbs	11.9 lbs

*Nominal Wattage, tested at 5000K CCT, Type V Distribution

Note: Environment and application will affect actual performance. Typical values and 25°C (77°F) used for testing. Specifications subject to change without notice.

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Ordering Information (Example: AXL2-100-5-4K-BR)

Model	Wattage/Size	Distribution	CCT	Finish	Mounts[1] (Field Installed)
AXL2	80 = 80W, Medium	2 = Type II	4K = 4000K	BR = Bronze	AXL2-80/280-A = Adjustable arm mount
	100 = 100W, Medium	3 = Type III	5K = 5000K		AXL2-80/280-BD = Double 180° bullhorn mount
	140 = 140W, Medium	4 = Type IV			AXL2-80/280-SF = Slip-fitter mount
	240 = 240W, Large	5 = Type V (Wide 7Hx7V)			AXL2-80/280-TR = Trunnion mount
	280 = 280W, Large	MN = Medium Narrow (4Hx4V)			AXL2-80/140-YK = Yoke mount, 80W, 100W, 140W
		MW = Medium Wide (5Hx5V)			AXL2-240/280-YK = Yoke mount, 240W, 280W
		VN = Very Narrow (3Hx3V)			

	Accessories[1] (Field Installed)
	AXL2-80-140-FGS = Full glare shield, 80W, 100W, 140W
	AXL2-80-140-HGS = Half glare shield, 80W, 100W, 140W
	AXL2-80-140-WG2 = Wireguard, 80W, 100W, 140W
	AXL2-240-280-FGS = Full glare shield, 240W, 280W
	AXL2-240-280-HGS = Half glare shield, 240W, 280W
	AXL2-240-280-WG2 = Wireguard, 240W, 280W
	WM-T-S-BR = Wall mount bracket
Notes	AXL2-80/280-W90 = Wall mount bracket, 90°
[1] Order as a separate line item. Shipped in a separate box for final installation in the field.	AXL2-TLPCKIT = Twist-lock receptacle kit (up to 480VAC)
	PCE1 = 120/277VAC External pencil photocontrol

Sample Photometry

AXL2-140-3-5K
IES: TYPE III
MOUNTING HEIGHT: **20'**
TILT: ZERO
HORIZONTAL SPACING CRITERIA: 1.70
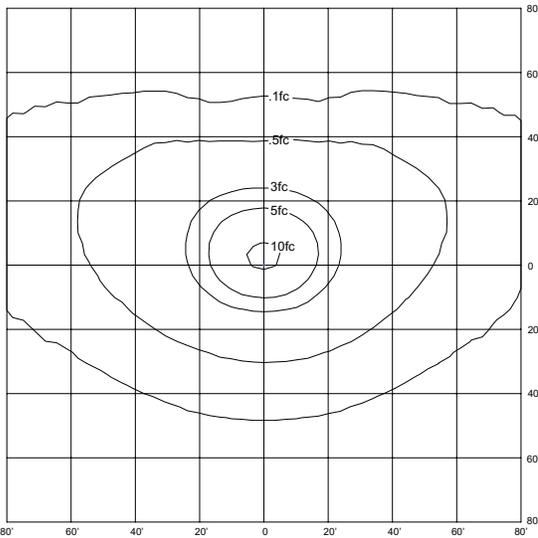
AXL2-140-5-5K
IES: TYPE VS
MOUNTING HEIGHT: **20'**
TILT: ZERO
HORIZONTAL SPACING CRITERIA: 2.32
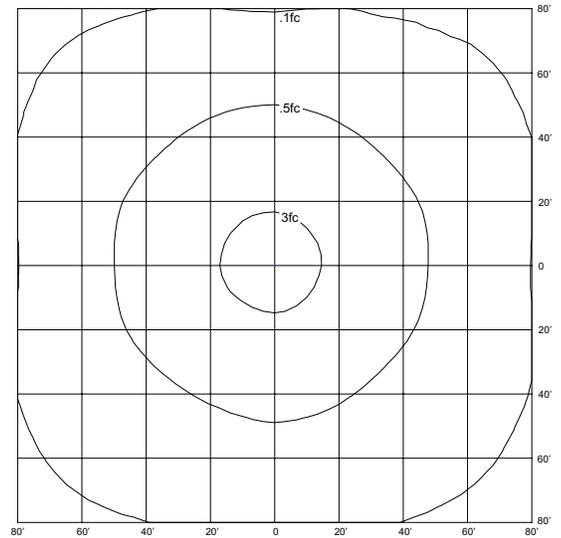
Dimensions

80-140W
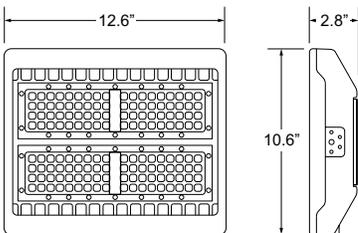
240-280W
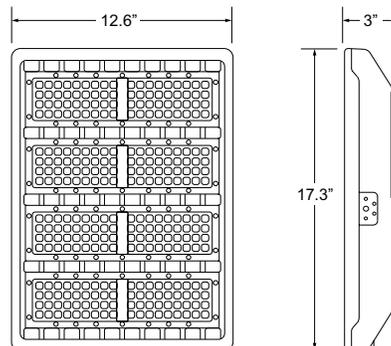
Model	Weight
AXL2-80	8.2 lbs
AXL2-100	10.8 lbs
AXL2-140	11.0 lbs
AXL2-240	11.7 lbs
AXL2-280	11.9 lbs

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BUG Ratings (Pointing Down)

|			
AXL2-80 (7H x 7V)	B3	U0	G3
AXL2-100 (7H x 7V)	B4	U0	G3
AXL2-140 (7H x 7V)	B4	U0	G4
AXL2-240 (7H x 7V)	B5	U0	G5
AXL2-280 (7H x 7V)	B5	U0	G5

EPA Values
80-140W
• Front = 0.24 square feet
• Side = 0.29 square feet
• Face = 1.10 square feet

240-280W
• Front = 0.32 square feet
• Side = 0.45 square feet
• Face = 1.91 square feet

Mounting Accessories
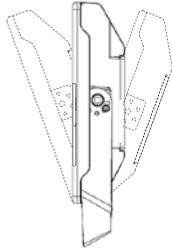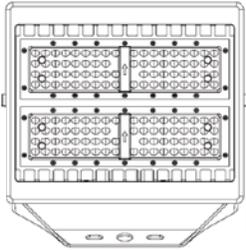
Yoke Mount
AXL2-80/140-YK or AXL2-240/280-YK
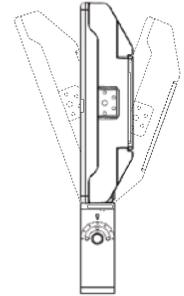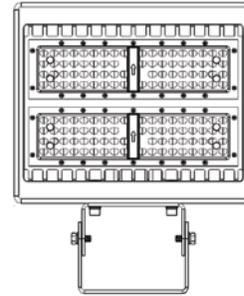
Trunnion Mount
AXL2-80/280-TR
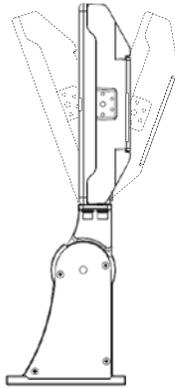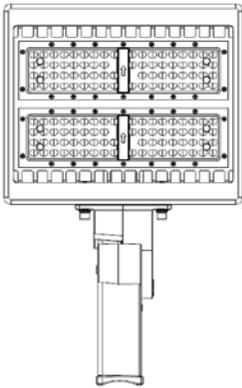
Adjustable Arm Mount
AXL2-80/280-A
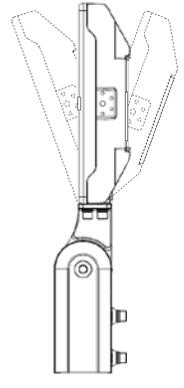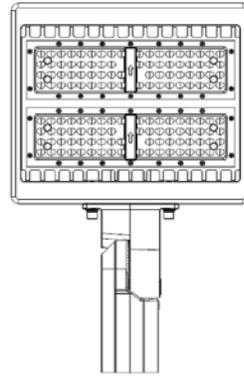
Slip-Fitter Mount
AXL2-80/280-SF

Shield Accessories

Full Shield
AXL2-80-140-FGS (80W, 100W, 140W)
AXL2-240-280-FGS (240W, 280W)
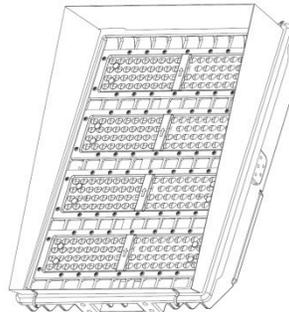

Half Shield
AXL2-80-140-HGS (80W, 100W, 140W)
AXL2-240-280-HGS (240W, 280W)

Wire Guard
AXL2-80-140-WG (80W, 100W, 140W)
AXL2-240-280-WG (240W, 280W)

Specifications are subject to change without notice.
Installation must be performed in accordance with
Barron Lighting Group installation instructions.

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Additional Accessories and Mounts
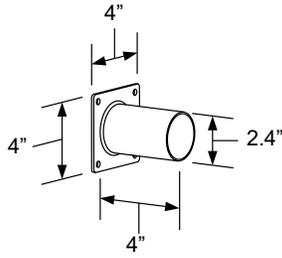
Wall Mounting Bracket
WM-T-S-BR
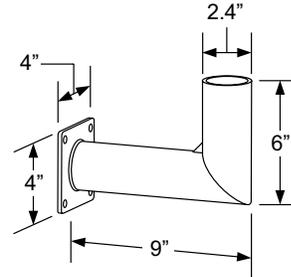
90° Wall Mounting Bracket
AXL2-80/280-W90
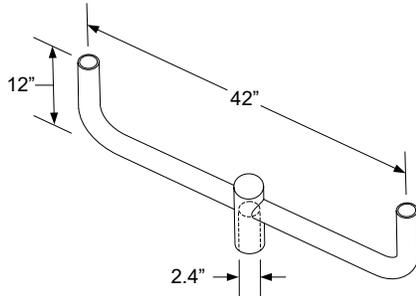
Double 180° Bullhorn Mounting Bracket
AXL2-80/280-BD
EPA Value = 1.4 square feet

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