

DESCRIPTION

The AXL Series is a group of architectural LED luminaires designed to illuminate parking areas, pathways, building facades, loading docks, and a wide variety of other large, general site lighting applications. Multiple mounting options make the AXL-80 a versatile luminaire for flood lighting, pole, ground and wall-mounted area lighting. The AXL is the ideal choice with efficacies up to 129 LPW to maximize energy savings and utility rebates.

SPECIFICATIONS

Construction:

- Die-cast aluminum housing with durable, dark bronze powder coat finish
- Wireway enclosure is sealed with a water-tight, silicon rubber gasket

Optics/ LEDs:

- UV stabilized polycarbonate lenses available in Type III and a symmetrical wide distribution (NEMA 7H x 7V)
- Available in 4000K (neutral white) and 5000K (cool white)
- Long-Life LEDs provide 69,000 hours of operation with at least 70% of initial lumen output (L70)
- Color rendering index > 80

Electrical:

- Universal 120-277VAC, 50/60Hz
- Power factor > 0.90
- Total harmonic distortion < 20%

Installation:

- Easy installation in new construction or retrofit applications
- Trunnion mount is standard
- Threaded receptacle (1/2" NPS) for external pencil photocell accessory
- Die-cast arm and slip-fitters provide additional photocell mounting options

Accessories (Sold separately for field installation):

- Die-cast Slip-fitter mount provides attachment to poles (2 3/8" O.D. tenon)
- Die-cast arm mount provides secure attachment to flat surface
- 120VAC and 277VAC external pencil photocell for dusk to dawn control

Testing & Compliance:

- UL Listed for Wet Locations
- Operating temperatures: -30°C to 40°C (-22°F to 104°F)
- IP65 rated
- DesignLights Consortium® (DLC) Qualified (See QPL for listed models)
- Complies with EN6100-4-5 surge immunity (1kVA)

Effective projected areas (EPAs) are:

- Front = 0.38 square feet
- Side = 0.30 square feet
- Face = 1.04 square feet

Warranty:

- Five (5) year warranty (terms and conditions apply)

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

Model: _____ Date: _____
 Accessories: _____
 Job Name: _____ Type: _____



Standard Trunnion Mount



Specs At A Glance*	
Wattage (W)	80
CCT (K)	4000K 5000K
Distribution	Type III, Wide Distribution (NEMA 7H x 7V)
Lumens (lm)	10,033 10,342
Equivalency	250W HID
Efficacy (LPW)	126 129
CRI	> 80
Input Voltage	120 - 277VAC, 50/60Hz
Operating Temp	-30°C to 40°C (-22°F to 104°F)
Certifications	UL Listed for Wet Locations, DLC, IP65
Warranty	5 Years
Weight	9.6 lbs.

*Nominal Wattage

Ordering Information (Example: AXL-80-4K-T)

Series	Distribution	Color Temperature (CCT) ¹	Mount	Accessories ² (Field Installed)
AXL-80	Blank = Wide	4K = 4000 Kelvin	T = Trunnion	AXL-A-BR ³ = Die-cast Arm
	3 = Type III	5K = 5000 Kelvin		AXL-SF-BR ^{3,4} = Die-cast Slip-Fitter
Notes				PCE1 = 120VAC External Pencil Photocell
				PCE2 = 277VAC External Pencil Photocell

¹ 3000K CCT built to order - contact factory for details.

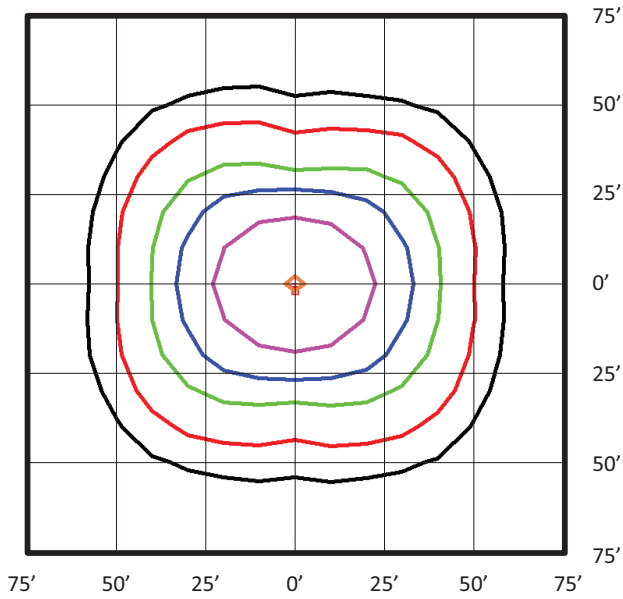
² Order as separate line item. Shipped in separate box for final installation in field.

³ Both the arm & slipfitter provide knockouts for additional sensor options.

⁴ DLC Qualified pointing straight down

Sample Photometry

(Example: AXL-80-5-5K-T)



Foot Candles



Notes

- ¹ Isofootcandle plots depict initial footcandles at grade.
- ² Gridlines represent units of mounting height of 25 feet.

BUG Rating: B3-U2-G2

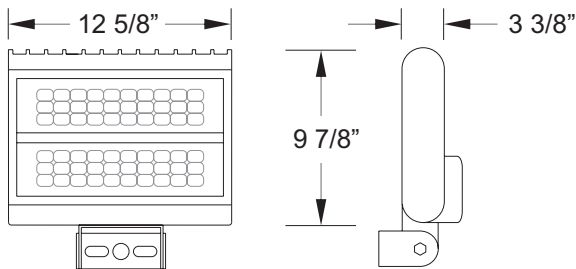
Zone	Lumens	Percentage
FL = Front - Low (0-30)	1,269	12%
FM = Front - Medium (30-60)	2,860	28%
FH = Front - High (60-80)	947	9%
FVH = Front - Very High (80-90)	117	1%
Total Forward Light	5,193	50%

Zone	Lumens	Percentage
BL = Back - Low (0-30)	1,273	12%
BM = Back - Medium (30-60)	2,810	27%
BH = Back - High (60-80)	931	9%
BVH = Back - Very High (80-90)	112	1%
Total Back Light	5,126	50%

Zone	Lumens	Percentage
UL = Up Light - Low (90-100)	1	0%
UH = Up Light - High (100-180)	22	0%
Total Up Light	23	0%

Total Lumens 10,342 100%

Dimensions



Weight: 9.6 lbs.

Mounting Accessories



AXL-A-BR
Die-cast Arm



AXL-SF-BR
Die-cast Slip-Fitter

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

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