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: _____

Available While Supplies Last

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)

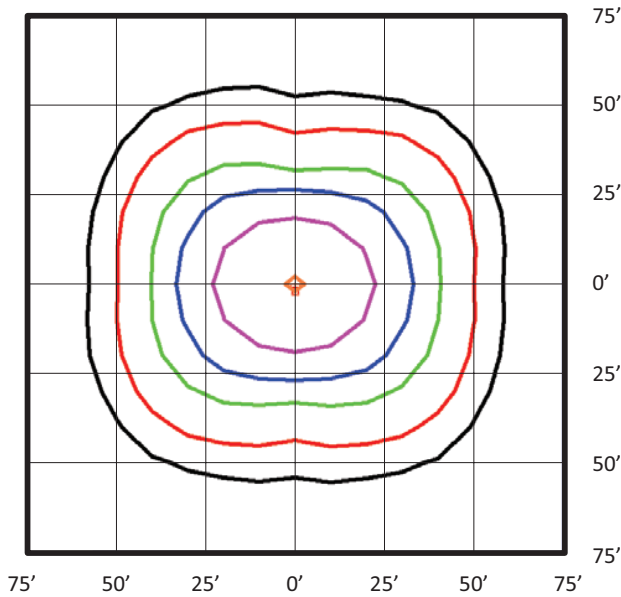| Series	Distribution	Color Temperature (CCT)[1]	Mount	Accessories[2] (Field Installed)
AXL-80	Blank = Wide	4K = 4000 Kelvin	T = Trunnion	AXL-A-BR[3] = Die-cast Arm
	3 = Type III	5K = 5000 Kelvin		AXL-SF-BR[3,4] = Die-cast Slip-Fitter
Notes				PCE1 = 120VAC External Pencil Photocell
[1] 3000K CCT built to order - contact factory for details.				PCE2 = 277VAC External Pencil Photocell
[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
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Notes

[1] Isofootcandle plots depict initial footcandles at grade.

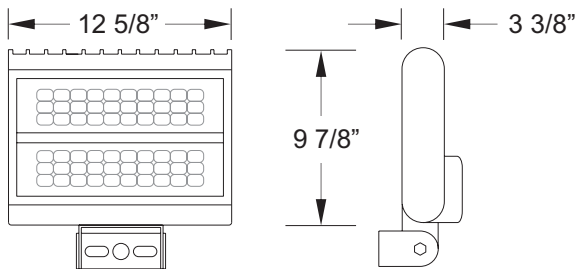[2] Gridlines represent units of mounting height of 25 feet.

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

BARRON®
lighting group