

**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-150 a versatile luminaire for flood lighting, pole-, ground- and wall-mounted area lighting. The AXL is the ideal choice with efficacies up to 123 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 a Type III and a symmetrical wide distribution (NEMA 7H x 7V)
- Available in 4000K (neutral white) and 5000K (cool white)
- Long-Life LEDs provide 58,000 hours of operation with at least 70% of initial lumen output (L70)
- Color rendering index > 80

**Electrical:**

- Universal 120-277VAC, 50/60Hz, 1-10V dimming drivers
- 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
- DesignLights Consortium® (DLC) Qualified (See QPL for listed models)
- Operating temperatures: -30°C to 40°C (-22°F to 104°F)
- IP65 rated
- 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.

**Ordering Information** (Example: AXL-150-3-4K-T)

Series	Distribution	Color Temperature (CCT) <sup>1</sup>	Mount	Accessories <sup>2</sup> (Field Installed)
AXL-150	Blank = Wide	4K = 4000 Kelvin	T = Trunnion	AXL-A-BR <sup>3</sup> = Die-cast Arm
	3 = Type III	5K = 5000 Kelvin		AXL-SF-BR <sup>3,4</sup> = Die-cast Slip-Fitter
<b>Notes</b>				PCE1 = 120VAC External Pencil Photocell
				PCE2 = 277VAC External Pencil Photocell

<sup>1</sup> 3000K CCT built to order - contact factory for details.

<sup>2</sup> Order as separate line item. Shipped in separate box for final installation in field.

<sup>3</sup> Both the arm & slip-fitter provide knockouts for additional sensor options.

<sup>4</sup> DLC Qualified pointing straight down

Model: \_\_\_\_\_ Date: \_\_\_\_\_  
 Accessories: \_\_\_\_\_  
 Job Name: \_\_\_\_\_ Type: \_\_\_\_\_



Standard Trunnion Mount

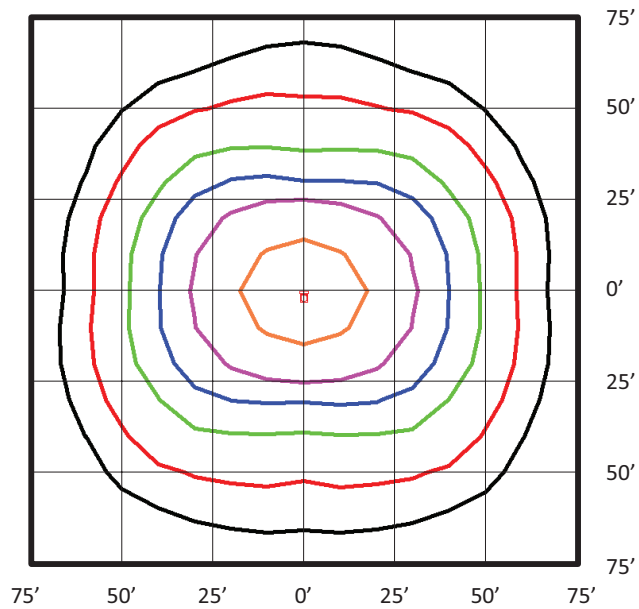


Specs At A Glance*	
Wattage (W)	153
CCT (K)	4000K   5000K
Distribution	Type III, Wide Distribution (NEMA 7H x 7V)
Lumens (lm)	18,486   18,752
Equivalency	400W
Efficacy (LPW)	121   123
CRI	> 80
Input Voltage	120 - 277VAC, 50/60Hz
Operating Temp	-30°C to 40°C (-22°F to 104°F)
Certifications	UL Listed for Wet Locations, IP65, DLC
Warranty	5 Years
Weight	9.6 lbs.

\* Nominal Wattage

## Sample Photometry

(Example: AXL-150-5K-T)



### Foot Candles

Orange	5.0
Purple	2.0
Blue	1.0
Green	0.5
Red	0.2
Black	0.1

### Notes

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

## BUG Rating: B3-U2-G2

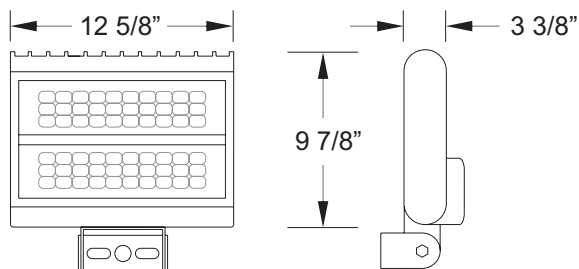
Zone	Lumens	Percentage
FL = Front - Low (0-30)	2,427	13%
FM = Front - Medium (30-60)	5,077	27%
FH = Front - High (60-80)	1,832	10%
FVH = Front - Very High (80-90)	186	1%
<b>Total Forward Light</b>	<b>9,522</b>	<b>51%</b>

Zone	Lumens	Percentage
BL = Back - Low (0-30)	2,338	12%
BM = Back - Medium (30-60)	4,982	27%
BH = Back - High (60-80)	1,693	9%
BVH = Back - Very High (80-90)	170	1%
<b>Total Back Light</b>	<b>9,182</b>	<b>49%</b>

Zone	Lumens	Percentage
UL = Up Light - Low (90-100)	3	0%
UH = Up Light - High (100-180)	45	0%
<b>Total Up Light</b>	<b>48</b>	<b>0%</b>

**Total Lumens** 18,752 100%

## 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.

10810340 02/18