

**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-300 a versatile luminaire for flood lighting, pole, ground and wall-mounted area lighting. The AXL is the ideal choice with efficacies up to 124 LPW to maximize energy savings and utility reabates.

**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 x7V)
- Available in 4000K (neutral white) and 5000K (cool white)
- Long-Life LEDs provide 57,000 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 Location
- 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 (EPA's) are:**

- Front = 0.37 square feet
- Side = 0.51 square feet
- Face = 1.74 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-300-3-3K-T)

Series	Distribution	Color Temperature (CCT) <sup>1</sup>	Mount	Accessories <sup>2</sup> (Field Installed)
AXL-300	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: \_\_\_\_\_

**Available While Supplies Last**



**Standard Trunnion Mount**

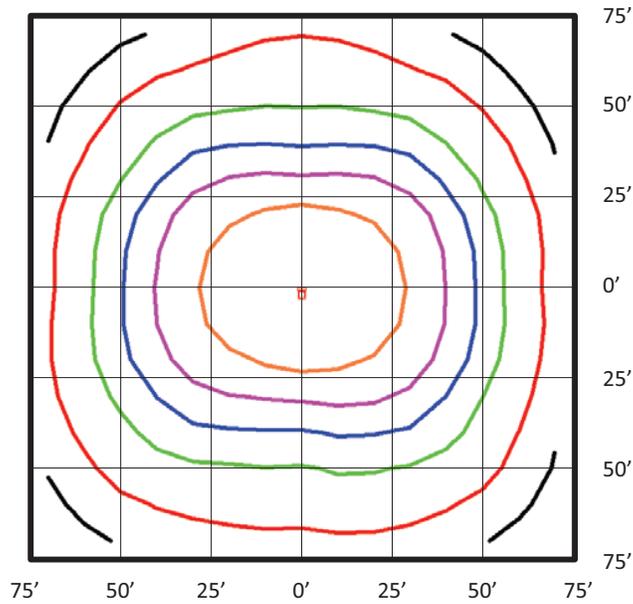


Specs At A Glance*	
<b>Wattage (W)</b>	305
<b>CCT (K)</b>	4000K      5000K
<b>Distribution</b>	Type III, Wide Distribution (NEMA 7H x 7V)
<b>Lumens (lm)</b>	37,597      38,122
<b>Equivalency</b>	750W HID
<b>Efficacy (LPW)</b>	122      124
<b>CRI</b>	> 80
<b>Input Voltage</b>	120 - 277VAC, 50/60Hz
<b>Operating Temp</b>	-30°C to 40°C (-22°F to 104°F)
<b>Certifications</b>	UL Listed for Wet Locations, IP65, DLC
<b>Warranty</b>	5 Years
<b>Weight</b>	17.3 lbs

\* Nominal Wattage

## Sample Photometry

(Example: AXL-300-5K-T)



## BUG Rating: B5-U3-G3

Zone	Lumens	Percentage
FL = Front - Low (0-30)	4,949	13%
FM = Front - Medium (30-60)	10,244	27%
FH = Front - High (60-80)	3,821	10%
FVH = Front - Very High (80-90)	409	1%
<b>Total Forward Light</b>	<b>19,423</b>	<b>51%</b>

Zone	Lumens	Percentage
BL = Back - Low (0-30)	4,755	12%
BM = Back - Medium (30-60)	10,039	26%
BH = Back - High (60-80)	3,424	9%
BVH = Back - Very High (80-90)	376	1%
<b>Total Back Light</b>	<b>18,595</b>	<b>49%</b>

Zone	Lumens	Percentage
UL = Up Light - Low (90-100)	8	0%
UH = Up Light - High (100-180)	96	0%
<b>Total Up Light</b>	<b>104</b>	<b>0%</b>

**Total Lumens** 38,122 100%

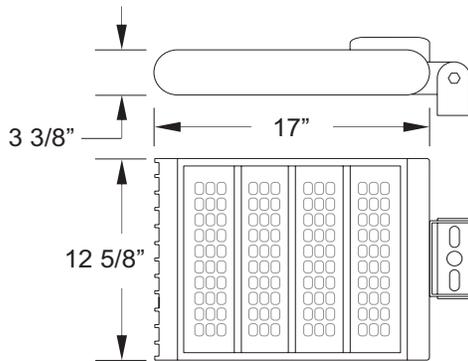
### Foot Candles

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.

## Dimensions



**Weight: 17.3 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.

10810342 Rev 2 11/18