

# AR3 Technical Specifications



## AR3 Series LED Area Light

### General Product Description

The Jarvis AR3 Series LED Area Light is designed to illuminate parking lots and other large areas. The product includes an adjustable slipfitter mount that allows light to be directed and controlled, ensuring optimal illumination and energy savings.



### Models and Specifications:

#### Standard Models:

Model	LEDs	INPUT	POWER	LUMENS	CCT	CRI	PF
AR3-120	4	120-277V 50/60Hz	106W	13,580 lm	5000K	≥ 70	≥ 0.9
AR3-150	5	120-277V 50/60Hz	132W	17,280 lm	5000K	≥ 70	≥ 0.9
AR3-180	5	120-277V 50/60Hz	181W	21,920 lm	5000K	≥ 70	≥ 0.9

#### 347-480V Input Models:

AR3-150-HV	5	347-480V 50/60Hz	131W	17,000 lm	5000K	≥ 70	≥ 0.9
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#### High-Glare Special Application Models:

AR3-300-HO	2	120-277V 50/60Hz	88W	9,567 lm	5700K	≥ 70	≥ 0.9
AR3-400-HO	2	120-277V 50/60Hz	130W	12,925 lm	5700K	≥ 70	≥ 0.9



## Electrical

**Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers.

**Power Factor:** >.9 at full load.

**Total Harmonic Distortion:** <20% full load.

Includes over voltage protection, over current protection, and short circuit protection.

**Operating Temperature Range:** -40°C to 40° C Ambient (-40°F to 104°F).

**Over Temperature Protection:** Light fixture automatically reduces power level when operating in higher temperatures to ensure componentry does not overheat. Full power levels are resumed automatically when temperatures return to rated operating range.

## Controls and Dimming

0-10V dimming is optional on all 120-277V input models.

Dimming is not available for 347-480V input models.

AR3 Series is compatible with many photosensors and motion sensor systems. Contact a Jarvis representative for more information.

## Construction and Materials

Housing is constructed from die-cast aluminum and features a cast-in slipfitter.

Die-cast housing features a powdercoat finish with UV protection to ensure longevity of color. Powdercoat finish is applied directly to aluminum housing and will not crack or peel. Default color is bronze. White finish and black finishes are readily available as a standard color – please indicate at time of order by adding “-WHT” or “-BRZ” to the end of the part number. Custom colors are available. Contact factory for additional color information.

LEDs are mechanically fastened directly to die-cast housing. Thermally-conductive material is positioned between LEDs and housing to provide increased thermal transfer.

Lens construction is high-clarity tempered glass.

Internal aluminum reflector with bright-anodized finish projects additional light outwards of the fixture.

Fasteners are stainless-steel and will not rust or create rust-streaks.

Luminaire is manufactured in the US of US and Imported Parts.





## Regulatory and Voluntary Qualifications

ETL listed to UL1598 and UL8750 for both US and Canada.

American Recovery and Reinvestment Act Funding Compliant.

State of California Title 24 Compliant when installed in accordance with local requirements.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

Rated for Wet and Dry Locations.

## Warranty and Lifetime

AR3 Series carries a 10-year warranty. Contact Jarvis representative for details.

Projected LED lifetime exceeds 75,000-100,000 hours under most operating conditions. Lifetime projections are calculated using data including LM-79, LM-80 and TM-21 calculations. Contact Jarvis representative for details.

## Installation

Luminaire installs onto round pole-top, tenon or pipe-stub up to 2.4" in diameter. Luminaire ships with at least 16" of wire protruding from slipfitter to allow for ease of wiring. Slipfitter is adjustable and luminaire may be positioned with glass parallel to ground or tilted back up to 90 degrees.

Contact a Jarvis Representative for full installation instructions, videos or additional information.



## Accessories

Jarvis Lighting manufactures a full line of mounting tenons for 4" and 5" poles. Available accessories include single, double, triple and quadruple tenons in multiple configurations. Short and long tenons are available. Wall mount brackets are available.

Contact a Jarvis representative for information regarding our full selection of tenons.

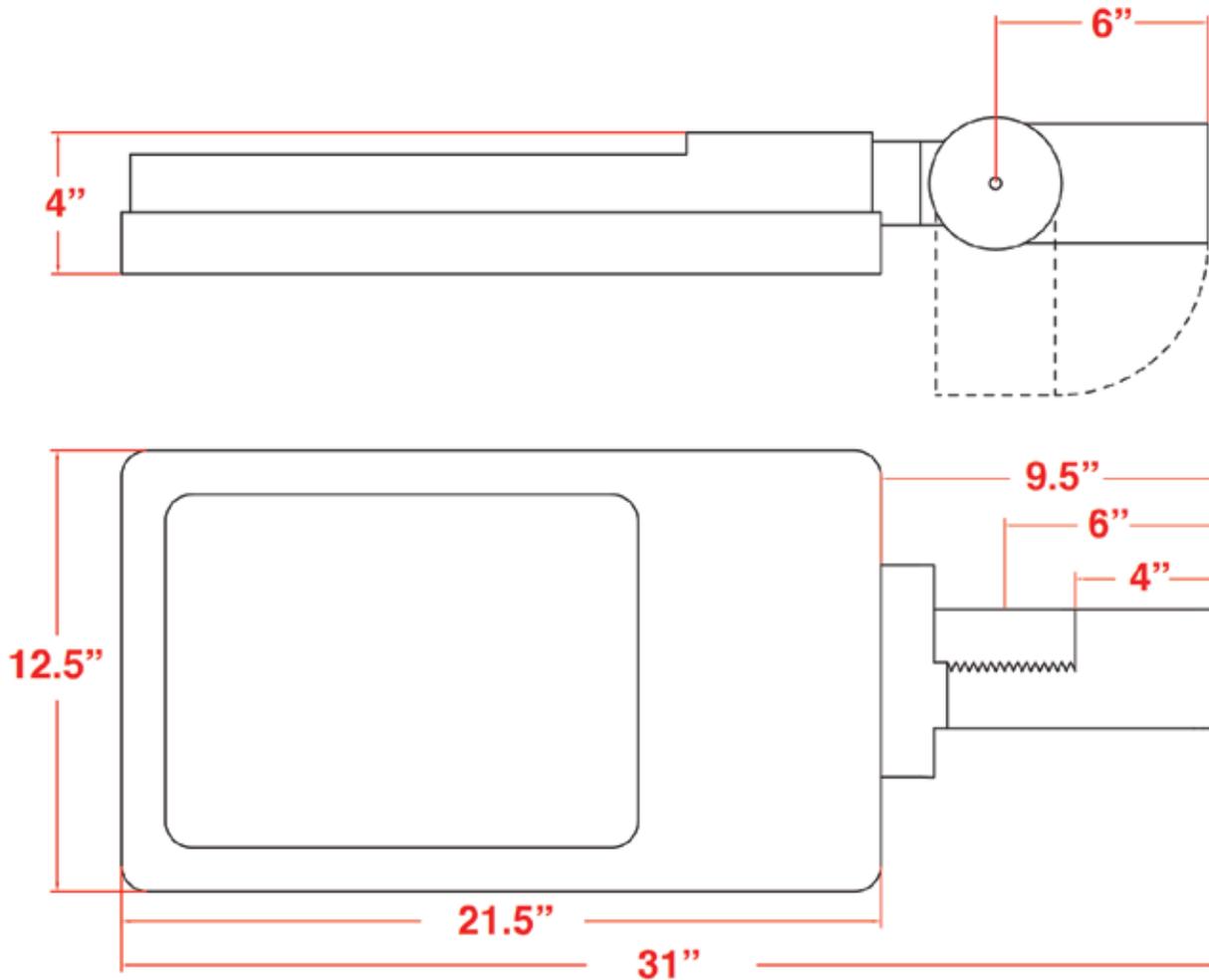
## Light Poles

Jarvis Lighting manufactures light poles that are compatible with the AR3 Series. Standard poles include 4" and 5" steel poles. Custom poles and aluminum poles are also available. Contact Jarvis representative for information regarding light poles.

## Photometrics

Photometric information, including LM-79 reports and .IES files are available for most models at [www.jarvislighting.com](http://www.jarvislighting.com). Site photometrics and lighting layouts are available.

Contact a Jarvis representative.



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