

Arieta™

N-Series

Architectural LED Area Luminaires

AR13, AR18

Area lighting for parking
lots, campuses, office
complexes, streets, bicycle
paths, and public parks



LEOTEK®

www.leotek.com

High Performance. Elegant Silhouette.

The sleek design and minimal profile of Arieta™ creates an appealing and unobtrusive daytime form.

City of Bellevue, Washington

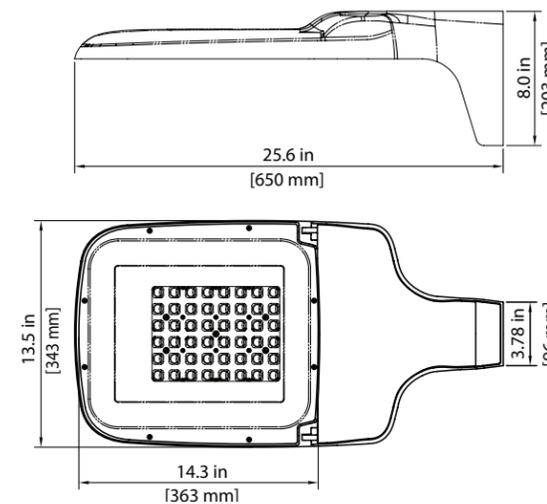


Numerous Applications

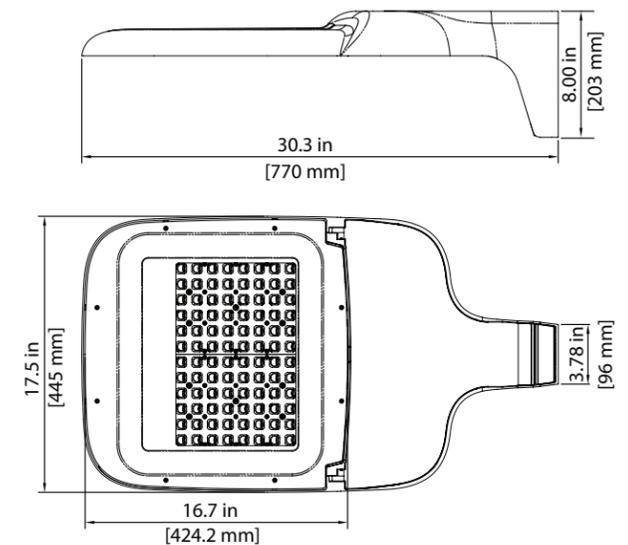
Arieta™ is available in two housing sizes and a wide range of lumen packages.

This enables Arieta™ to fit a broad range of applications from pedestrian walkways using 12 ft. poles to large parking lots using 40 ft poles.

AR13



AR18



With energy savings of up to 80% over HID sources and reduced maintenance costs, Arieta™ offers the most competitive payback of any architectural LED area luminaire.

Typical HID Replaced	Arieta™ Product	Lumens	Luminaire Power	Luminaire Efficacy	Energy Savings
250W MH	AR13-48N-100	10,900 lm	73 W	149 lm/W	74%
400W MH	AR13-48N-190	19,600 lm	141 W	139 lm/W	69%
1000W MH	AR18-96N-400	40,990 lm	297 W	138 lm/W	73%

A comprehensive HID to Arieta replacement chart is available on our website www.leotek.com

Leotek believes that good design integrates simplicity and functionality. The Arieta™ is built with durable high-strength materials and reliable components, and is backed by Leotek's 10-Year Warranty and 20 years of experience building LED lighting products.

Single-Cast Housing

The single-cast Arieta™ housing is made of corrosion-resistant aluminum and provides a continuous thermal path from the LED light engine to ambient air. This enables passive heat dissipation along the entire length of the luminaire.

This design approach makes it possible to introduce an elegant, low-profile luminaire without compromising efficiency.

All Arieta™ luminaires meet a 5000-hour salt spray specification through the use of low-copper content alloys and a polyester powder coat finish.



Robust, Efficient Light Engines

The 100,000-hour rated (IP66 Rated) integrated LED light engine design minimizes parts and complexity while offering long life and reliability.

High-uniformity LED optics are constructed of durable optical polycarbonate that is impact and UV resistant to ensure efficient light transmission over the life of the luminaire.

Arieta™ light engines use an array of discrete LEDs. Discrete LEDs are designed to offer better maintained light output than large chip-on-board LEDs. There is less qualitative glare since the LED light sources are distributed, not concentrated in a small area.



Standard LED Color Temperatures

3000K (Warm White)

Color similar to incandescent lamps. Accepted by the International Dark-Sky Association as dark-sky friendly, but lower efficacy than neutral white LEDs.

4000K (Neutral White)

Most popular option for street and area lighting; offers no compromise in efficacy with color similar to moonlight.

5000K (Cool White)

Cool color with perceived brighter appearance; efficacy is similar to neutral white LEDs.

Choice of Standard Finishes



Rigorous Testing and Certification Process

Each Arieta™ luminaire is carefully assembled and tested at Leotek's facility in San Jose, California. The light engines are 100% tested prior to assembly. Every luminaire is 100% performance tested for proper light output and wattage after a 2-hour "burn-in" period.



Control Ready for Wireless Nodes

When Arieta™ luminaires are being installed with a wireless control system, the simplest approach is to specify the control-ready option PCR7-CR. If you do not plan on installing wireless nodes immediately, but want to have the option to do so in the future and you want the positive-lock current selector capability to field adjust light levels, then you should specify PCR7.



Surge Protection

Meets Enhanced (10kV/5kA) ANSI C136.2-2015 specification. Optional Extreme (20kV/10kA) surge protection available.



Light Level Control Options

The dimmable power supply enables field-adjustable light levels with the standard positive-lock current selector. Continuous dimming is also available on all Arieta™ luminaires using a wireless dimming node (supplied by others).

Power Supplies

Arieta™ luminaires are designed with power supplies that are rated for 100,000 hours of life with standard 1 - 10V dimming.



Easy Field-Tuning of Luminaires

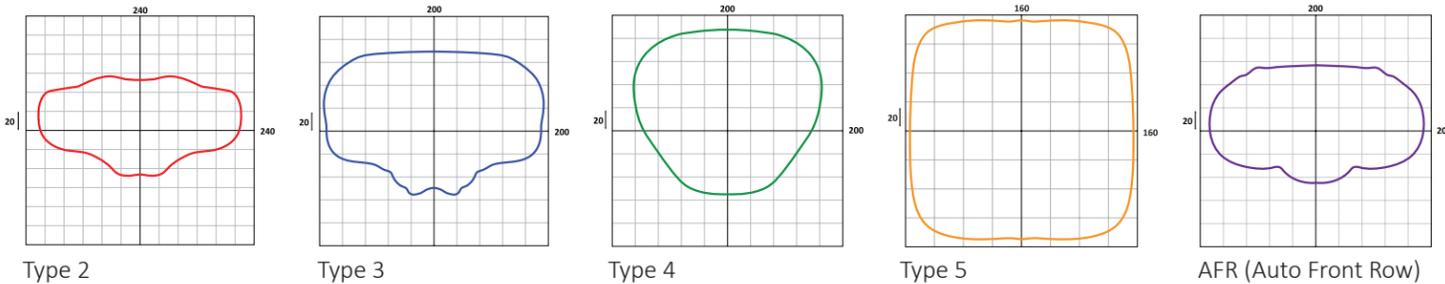
Leotek luminaires feature a variety of options to accommodate "field-tuning" of light levels and light distribution. In addition, options are available to facilitate the integration of wireless controls.

Field-Tuning of Light Levels

Arieta™ luminaires include a standard dimmable 1-10V power supply with a positive-lock LED current selector. This enables end users to easily change light levels in the field if necessary. The positive-lock current selector ensures light levels aren't changed accidentally during installation.



Five Lighting Distributions



Micro-lens Optics produce IES Type 2, Type 3, Type 4, Type 5 distributions for Roadway and Area lighting applications. Factory rotated optics can be ordered for special applications.

Auto Front Row (AFR) optics are designed to enhance light levels at site perimeter while minimizing wattage and backlight.

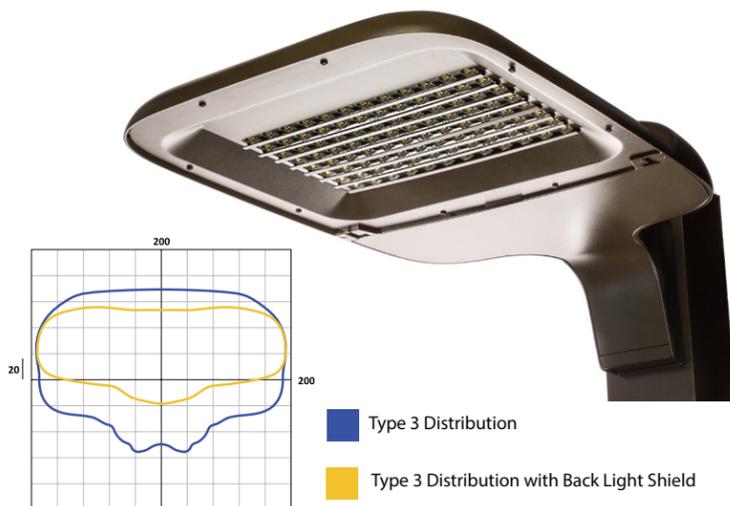
Dark Sky Friendly with a zero uplight BUG rating (0% total lumens above 90°).

Back Light Shielding

Back Light Shield option is available for light trespass control that can be factory or field-installed.

Back Light Shield (BLS) option is designed to meet strict light trespass and LEED requirements.

The shields are easily installed and are flush to the housing, so they add no additional wind loading to the pole and are virtually unnoticeable.



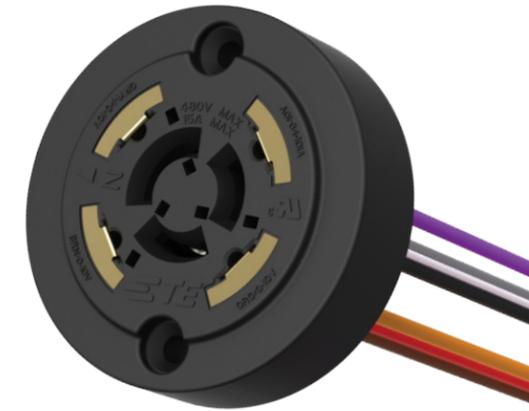
Luminaire Control Options

PCR7 Option (ANSI C136.41 Compliant)

- Field-adjustable positive-lock current selector to change light output
- All factory drive current settings available
- 1-10V leads factory-wired to current selector with moxley style connectors
- Field-changeable connectors quickly enable wireless node dimming with PCR7, if desired in the future
- Also accepts standard (3-wire) photocell

PCR7-CR Option (ANSI C136.41 Compliant)

- Factory-wired for "control-ready" 1-10V dimming with wireless node (by others)
- Maximum output set at factory per product specifications. This corresponds to the output code in luminaire part number.
- Also accepts standard (3-wire) photocell



Optional Photocontrol Receptacle (PCR)

Accepts Standard Photocell



PCR7 & PCR7-CR Options

Accepts Wireless Control Node or Standard Photocell



Comparison Chart

Option Code	Receptacle	Wireless Dimming Node Control-Ready	Requires Field Connections for Wireless Node	Field-Adjustable Drive Current to Change Light Output
PCR	3-Wire	N/A	N/A	Yes
PCR7 ¹	7-Wire	No	Yes	Yes
PCR7-CR ²	7-Wire	Yes	No	No

1. Current selector included to allow field selection of desired current to change light output.
2. Furnished "control-ready" at factory for wireless node (by others). Control-ready option is set at luminaire's maximum drive current (refer to specification sheet).

Motion Sensor-Ready

Multi-cell, multi-tier Fresnel lens with 360° view detects unobstructed motion.

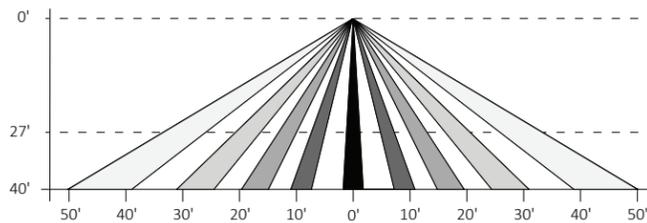


Two sensor ranges are available

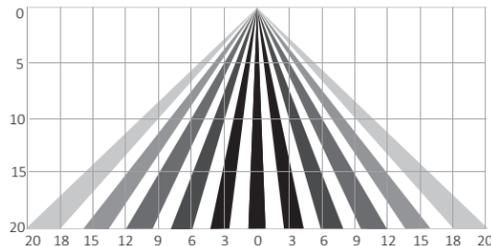
MSL7 - Up to 40' Mounting Height

MSL3 - Up to 20' Mounting Height

Lens Coverage Side View



Lens Coverage Side View



Dimmable power supply is standard: a cost-effective solution for motion sensor controlled dimming

California Title 24 Control compliant

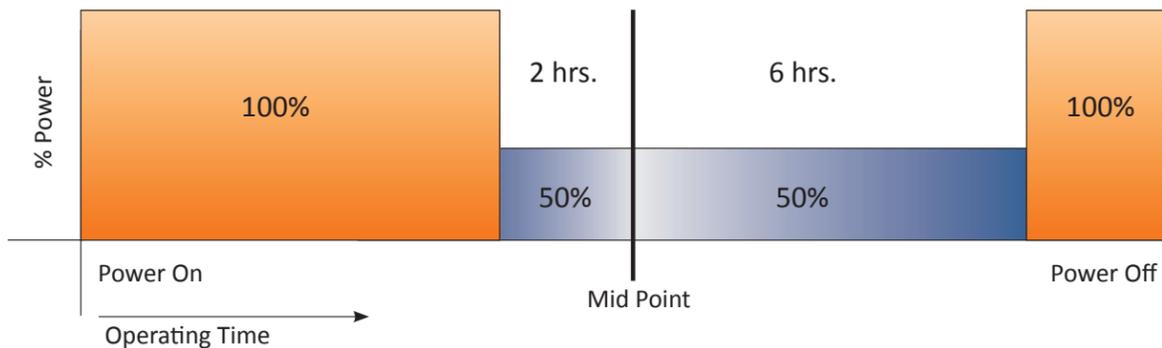
UL and cUL listed, IP66 rated

FSIR-100 configuration tool allows motion sensor to be field-adjusted as required.

For details, search FSIR-100 User Guide at www.wattstopper.com.

Part-Night Dimming Controls

Arieta's Part Night Dimming (PND) option enables significant energy savings by automatically dimming the luminaire during early morning hours when infrequent use is expected. Factory programmed dimming profiles automatically take into account seasonal changes based on geographical location by continuously monitoring the nighttime midpoint. This option is fully compatible with photocells and time-clock devices. Available factory programmable PND profiles are detailed on the Specification Data Sheet.

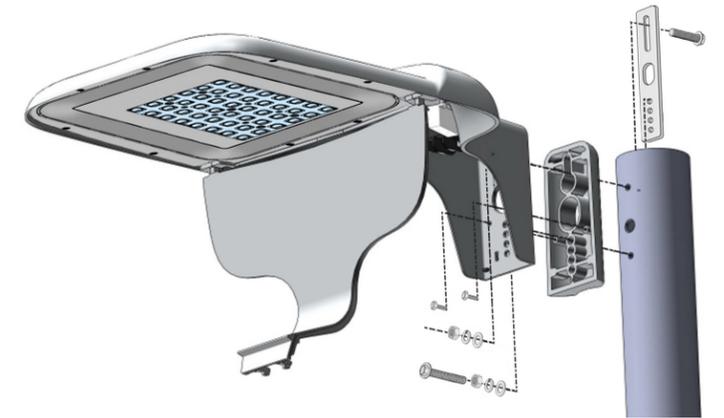


Universally Retrofittable

The perfect replacement for the shoebox luminaire

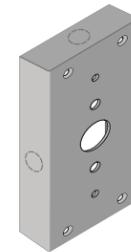
Universal Mounting

Arieta's smartly designed Universal Mount allows a single installer in a bucket truck to easily retrofit an existing HID luminaire in minutes on virtually all existing area lighting poles without drilling additional holes.



Arieta® easily mounts to square or round poles. Round Pole Adapter (RPA) required for round poles, as shown.

Mounting Accessories

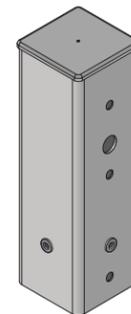


Wall Mounting Plate (WM)

For installation on flat surfaces. Includes side knock-outs to accommodate surface wiring conduit.



WM – Wall Mounting Plate



Square Pole Top Fitters (PTF)

4" square fitter for use with 2.38-inch outside diameter tenons, 4-6" tall.



PTF1 – 1 Luminaire



PTF4 – 2, 3 or 4 Luminaires at 90 Degrees



PTF2 – 2 Luminaires at 180 Degrees

*Accessories available in standard Arieta finishes.

Visit Leotek.com to learn more about our innovative LED Lighting products



GreenCobra®

The GreenCobra Series has become the industry standard for cities, utilities and DOTs throughout North America with hundreds of thousands of units installed. The superior optical performance, innovative mechanical features that facilitate installation and maintenance, and the familiar daytime form all contribute to the GreenCobra's success. Four models deliver the lumen packages and appropriate housing scale for multiple mounting heights: GreenCobra Jr. (GCJ), GreenCobra Midsize (GCM), GreenCobra (GCL) and GreenCobra (GC2).



Eseta™

Eseta's subtly distinctive form harmonizes with architecture without altering the building aesthetic. Eseta™ features ultra-high efficiency LED lighting with up to 100 lumens/watt, emergency battery system, two targeted distributions, innovative glare control, and motion sensor compatibility. Cold-weather rated for temperature range rating of -4°F to 140°F (-20°C to +60°C). An appealing and easy choice for retrofit applications.



ComfortView™ Neighborhood LED Street Light

ComfortView™ street lights utilize a new approach to address glare for neighborhood streets. The two-stage optical system in ComfortView™ incorporates a second refractor optic, which reduces glare and maximizes visual comfort. To further reduce the harsh contrast between the light source and the dark sky, ComfortView™ incorporates an intermediate lower luminance "transition zone," which directs internally reflected light back out of the luminaire.



Leotek Electronics USA LLC, located in California's Silicon Valley, is celebrating over twenty years as an LED lighting manufacturer, and is a leading supplier of LED street lights worldwide. Globally recognized as a pioneer in light-emitting diode technology, and with millions of LED products installed worldwide, the company has a historical legacy of proven performance. Leotek offers innovative LED lighting products for applications encompassing traffic, transit, street, and area lighting. Leotek street and area lighting products are assembled in the USA.

With ongoing research and development, continuous improvement of existing products, and the introduction of innovative new products, Leotek is committed to developing solid-state technologies that are reliable, long-lasting, and energy efficient.

1955 Lundy Ave., San Jose, CA 95131 ☉ 408.380.1788

© 2019 Leotek Electronics USA. All Rights Reserved.
Arieta Brochure N-Series 03-12-19.
Specifications subject to change without notice.



To learn more visit www.leotek.com or contact a Leotek lighting agent 408.380.1788