



THORN
LIGHTING

AERIE

A timeless and discreet light glow

TODAY AND TOMORROW'S TECHNOLOGY

TO ENLIVEN URBAN SPACES

Aerie brings a soft glow that appears to float weightlessly in the air, illuminating the urban space clearly yet gently. Its expertly designed, cutting-edge optics and smart controls support safety, wellbeing and a calm atmosphere, while minimising obtrusive light. And with a range of installation options, Aerie is ready to bring a breath of fresh air to countless different urban settings.



Parks,
promenades
& pathways



Urban &
residential
streets



Parking



TIMELESS DESIGN, ADAPTED TO YOUR NEEDS

SLIM SHAPE

Aerie's classic yet contemporary design makes it ideal for installation in many environments. The wide variety of available optical cover shapes and finishes enables it to be adapted to different needs.



ONE PRODUCT, MANY POSSIBILITIES

Whatever the lighting installation, there's an Aerie to fit. A clear bowl for maximum efficacy. A slim design, or a wide alternative to fit in with the surrounding space. Aerie's light source can be supplied with a comfort diffuser to control glare, or without.

AERIE SLIM WITH
COMFORT DIFFUSER



AERIE SLIM WITHOUT
COMFORT DIFFUSER



WIDE SHAPE

Zhaga socket – for installation of sensors on upper and/or lower canopy surface

Mixing chamber – a complete system with integrated optical engine, diffuser and bowl

Integrated motion sensor (available for the wide version only)

Available with or without comfort diffuser

Clear bowl

Diameter 60 or 76 mm

AERIE WIDE WITH COMFORT DIFFUSER

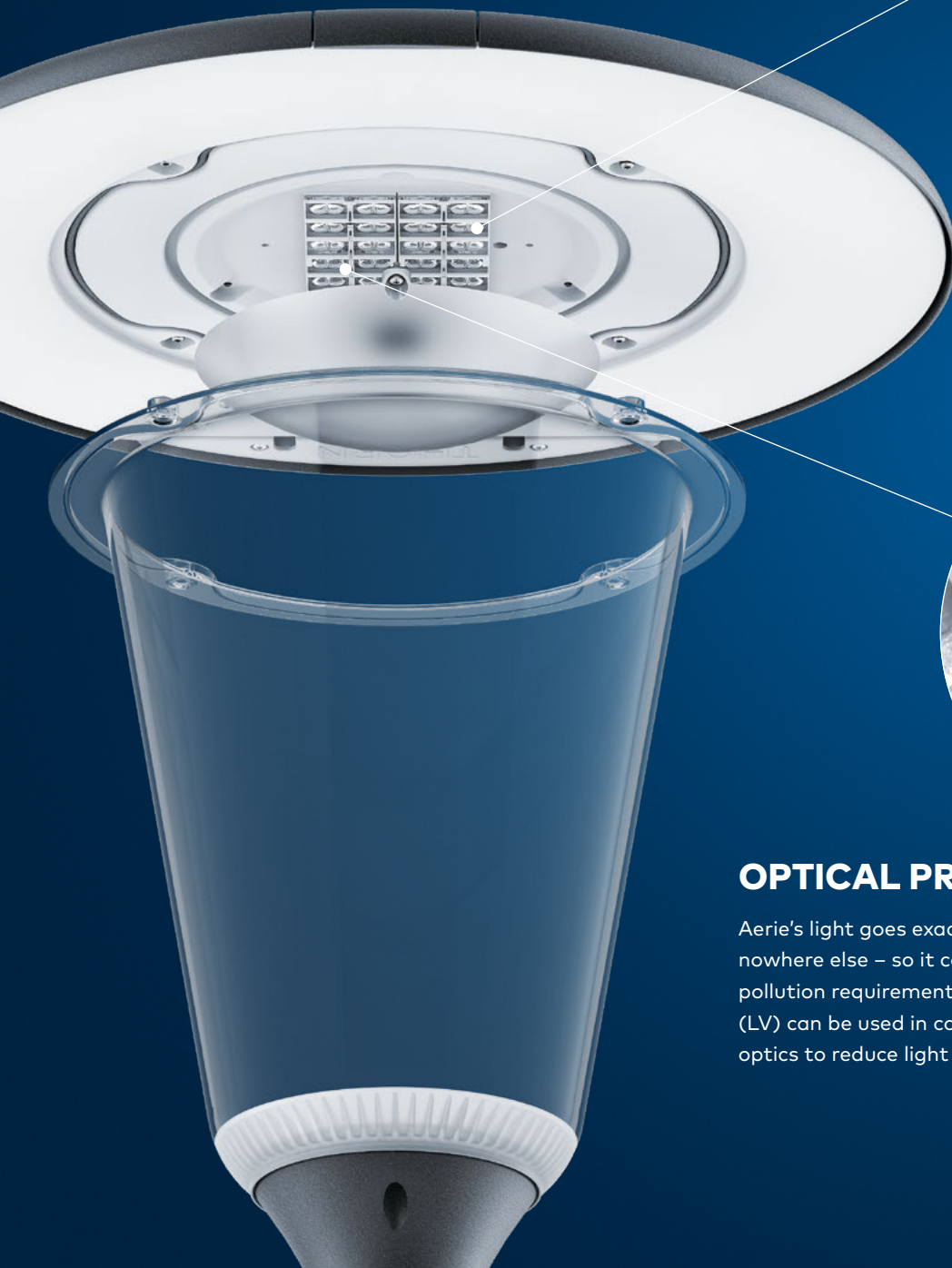
AERIE WIDE WITHOUT COMFORT DIFFUSER



COMFORT. PRECISION. PERFORMANCE.

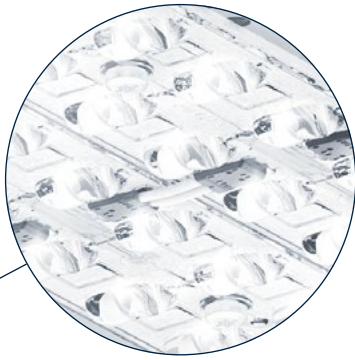
OPTICAL COMFORT

Aerie's state-of-the-art lighting technique provides great visual comfort at night. Its soft glow is made possible by a special inner mixing chamber that minimises glare.



OPTICAL PRECISION

Aerie's light goes exactly where it is needed – and nowhere else – so it complies with the latest light pollution requirements. An integrated internal louvre (LV) can be used in combination with Thorn's R-PEC optics to reduce light emission to the back by up to 20%.

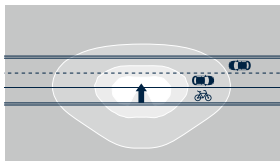


OPTICAL PERFORMANCE

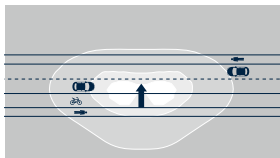
Thorn's high-performance R-PEC and A-PEC optics maximise efficiency, achieving up to 160 lm/W. This means excellent efficacy, with no waste light.

FLEXIBILITY OF OPTICAL DISTRIBUTIONS

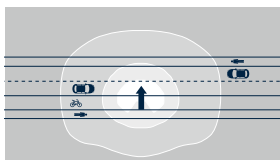
With its careful balance of vertical and horizontal illumination, Aerie ensures that outdoor spaces are comfortably lit. The luminaire can be fitted with a variety of different optics, including R-PEC for asymmetrical street light distribution, or A-PEC for asymmetrical and perfect rotationally symmetric light distribution. In this way, Aerie can fulfil the various lighting requirements of today's urban centres, while allowing designers to achieve a single unified look and feel.



NARROW ROAD (NR)



WIDE STREET COMFORT (WSC)



EXTRA WIDE ROAD (EWR)
with diffuser



ROTATIONAL SYMMETRICAL
(R/S)



When installing Aerie close to residences, an unobtrusive external louvre can easily be added on-site. This limits the direct view into the light source for residents, covering an angle of 130°.

CONNECT AND CONTROL

With control for single luminaires or groups, and even remote access, our flexible lighting management system is ready to control the smallest and largest urban installations.

PROMENADE

URBAN & RESIDENTIAL STREETS

HISTORICAL CITY CENTRE

Our solutions for group and remote controls:



InCity



Wide zone motion detection via Zhaga down + detector



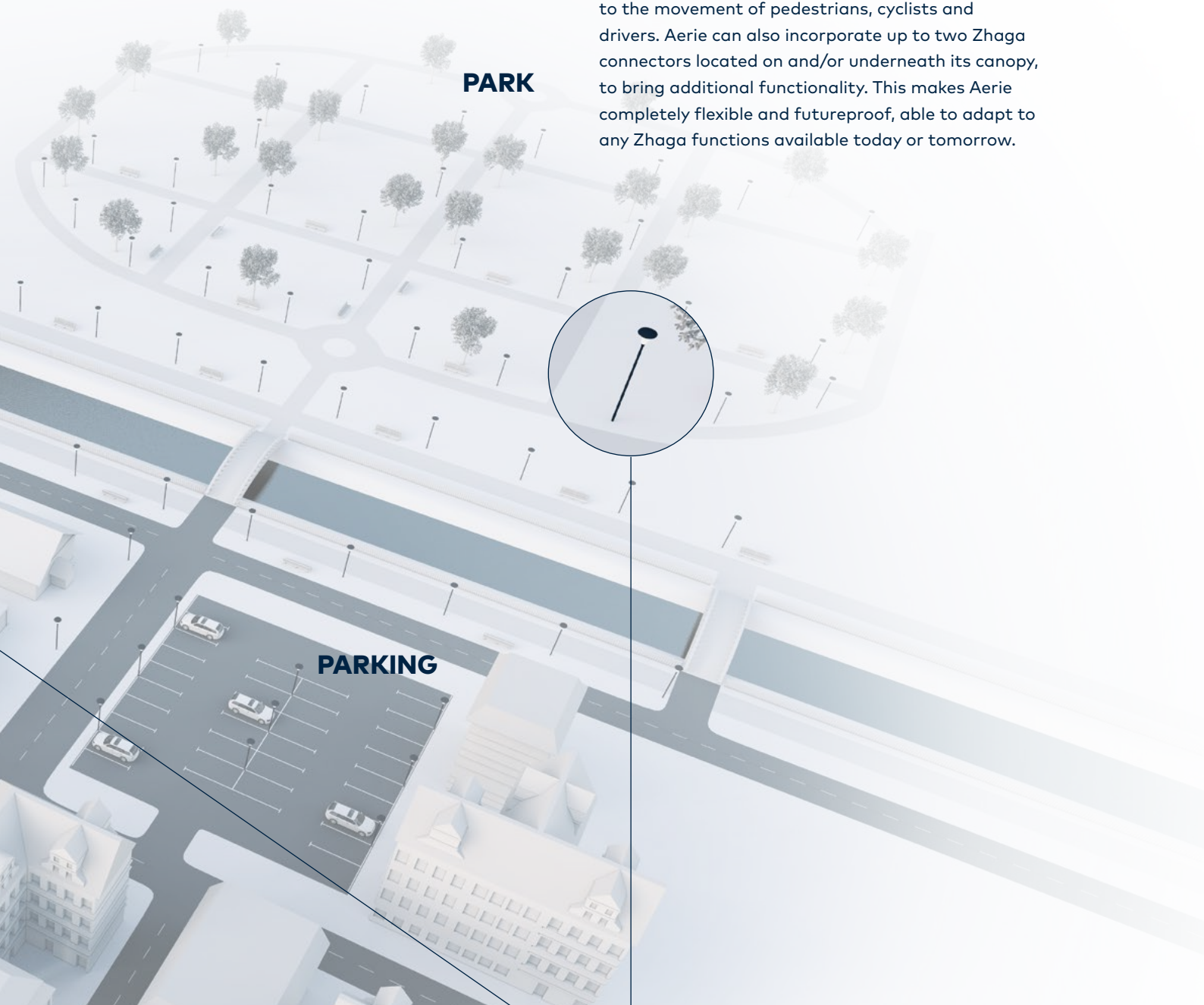
Wireless communication, daylight sensor etc. via Zhaga up



Integrated motion sensor in the luminaires, controlled via either Pilot Wire or RF

Aerie brings intelligence to urban spaces through a wide range of control options, including DALI2, multi-layer dimming, power-line control and wireless. It is compatible with all available RF systems, and can be managed using InCity – Thorn's intelligent outdoor lighting system.

Presence detection is also available for smart control of light to reduce energy use and light pollution. Aerie's high-quality integrated motion sensor makes sure light is only emitted when people need it, enabling energy savings while ensuring safety, and contributing to a sense of wellbeing by adapting to the movement of pedestrians, cyclists and drivers. Aerie can also incorporate up to two Zhaga connectors located on and/or underneath its canopy, to bring additional functionality. This makes Aerie completely flexible and futureproof, able to adapt to any Zhaga functions available today or tomorrow.



Our solutions for single luminaire controls:



Integrated motion sensor in the luminaire with Radio Frequency (RF) technology and with Master / Slave possibility



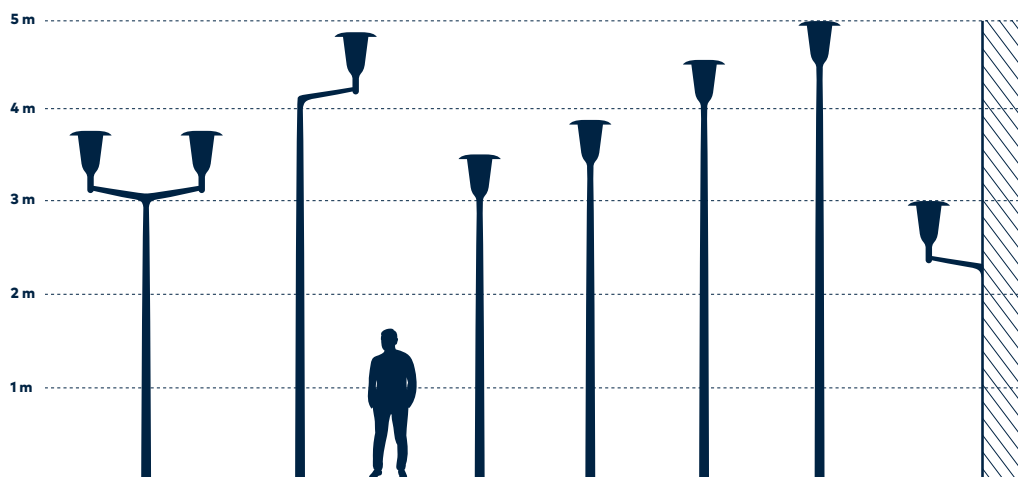
Wide zone motion detection via Zhaga down + detector

INSTALLATION POSSIBILITIES



Aerie offers a number of possible mast configurations, styles, mountings and heights. Installers benefit from:

- Pre-wired for easy installation with just one tool
- 120° fixing screws for perfect adjustment on the pole
- Maintenance access from above, tool-free



DISCOVER

AERIE



WIDE

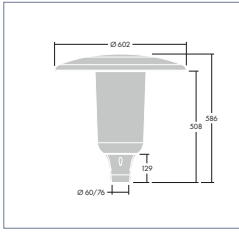


SLIM

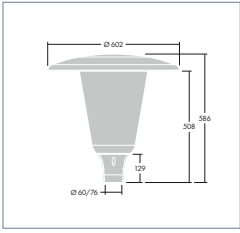
| | With or without comfort diffuser | With comfort diffuser | With or without comfort diffuser | With comfort diffuser |
|------------|--|-----------------------|----------------------------------|-----------------------|
| | 12 LEDs / 18 LEDs / 24 LEDs | | | |
| | 2700K / 3000K / 4000K | | | |
| | Up to 6629 lm (2700K) / Up to 7350 lm (3000K) / Up to 8000 lm (4000K) | | | |
| | Up to 132 lm/W (2700K) / Up to 146 lm/W (3000K) / Up to 160 lm/W (4000K) | | | |
| CRI | 70 / 80 | | | |
| | IP66 | | | |
| | -30 to +50°C | | | |
| | Up to IK10 | | | |
| | Base and canopy corrosion resistant die cast aluminium powder-coated | | | |
| | UV Resistant | | | |
| | 100 000 h B10 L95 at 25°C 100 000 h B10 L90 at 50°C | | | |
| | R-PEC and A-PEC | | | |
| | T60 / T76 | | | |
| | Texturized anthracite close to RAL 7043 and 14 additional colors as standard | | | |
| | 10 kV | | | |
| | DALI2, Bi-Power, Power Line, Constant Light Output, Light Reduction Twin Phases, Zhaga interface, Motion detection, Radio Frequency | | | |

CONFIGURATION GUIDE

| AR W | 24L | 50 | 827 | NR-A | LV | CL | CLO | ZU | LRT | HFX | SP | CL2 | D5 | T60 | ANT |
|-------|-----|----|---------|-------|-------------------------|-----------|-----|----------|---------|-------|------|--------|--------|--------|--|
| Range | LED | mA | CCT/CRI | Optic | Internal louvre (R-PEC) | Bowl Type | CLO | Controls | Dimming | DALI2 | Fuse | Safety | Wiring | Spigot | Colour |
| | | | | | | | | | | | | | | | ANT Texturized anthracite GY Texturized light grey BK Texturized black R9006 RAL 9006 R9016 RAL 9016 R9005 RAL 9005 R9007 RAL 9007 R7035 RAL 7035 R7016 RAL 7016 R3004 RAL 3004 R7015 RAL 7015 R6005 RAL 6005 R9010 RAL 9010 R7043 RAL 7043 R7044 RAL 7044 T60 60 mm spigot T76 76 mm spigot D5 DACH Pre-wired, 5 m length; 1.5 mm ² D6 DACH Pre-wired, 6 m length; 1.5 mm ² D8 DACH Pre-wired, 8 m length; 1.5 mm ² W5 Pre-wired, 5 m length; 1.5 mm ² W6 Pre-wired, 6 m length; 1.5 mm ² W8 Pre-wired, 8 m length; 1.5 mm ² CL1 Class 1 CL2 Class 2 SP 10 kV multi pulse surge protection HFX optional DALI2 BPL Bi-Power Power Line LRT Light Reduction Twin Phases BPS550 Bi-Power switchable 5h (-2h +3h) 50% reduction around midnight BPS750 Bi-Power switchable 7h (-3h +4h) 50% reduction around midnight BPS Bi-Power switchable 8h (-3h +5h) 50% reduction around midnight BPS530 Bi-Power switchable 5h (-2h +3h) 30% reduction around midnight BPS730 Bi-Power switchable 7h (-3h +4h) 30% reduction around midnight BPS830 Bi-Power switchable 8h (-3h +5h) 30% reduction around midnight MLD1 Multi-Layers Dimming scenario 1: 100%, 2h 75%, 5h 50%, 2h 75%, 100% - optional PM Integral mini photocell M20 socket MZ Motion detection master Zhaga SZ Motion detection slave Zhaga ZU Zhaga socket up ZD Zhaga socket down ZUD Zhaga socket up & down MAS Motion detection master pilot wire SLA Motion detection slave pilot wire - optional CLO Constant light output CL Clear bowl CL-D Clear bowl with Comfort Diffuser - LV No internal louvre - LV Internal louvre NR Narrow Road NR-S Narrow Road Symmetrical ENR Extra Narrow Road ENR-S Extra Narrow Road Symmetrical EWR Extra Wide Road EWR-S Extra Wide Road Symmetrical WS Wide Street WS-S Wide Street Symmetrical WSC Wide Street Comfort WSC-S Wide Street Comfort Symmetrical SC Street Comfort SC-S Street Comfort Symmetrical ES Extended Street ES-S Extended Street Symmetrical R/S Rotational Symmetrical WST Wide Street 827 CRI80 2700K 730 CRI70 3000K 830 CRI80 3000K 740 CRI70 4000K 840 CRI80 4000K 35 350 mA 50 500 mA 70 700 mA 105 1050 mA 12L 12 LEDs 18L 18 LEDs 24L 24 LEDs AR W AERIE Wide AR S AERIE Slim |



SLIM VERSION
Ø 60 & Ø 76



WIDE VERSION
Ø 60 & Ø 76

Configure the ideal product solution with myProduct. The myProduct configurator allows you to quickly and easily configure the luminaire to suit your individual needs. Try it now at www.thornlighting.com/myproduct



As a globally leading luminaire manufacturer, Thorn Lighting provides a five-year warranty for its complete product range within all European Countries.
thornlighting.com/guarantee

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WE MAKE LIGHT WORK