LUMEC

Urban

OmniScape

A vision of versatility

Roads and Residential streets

Durable construction, high efficiency, and uniform illumination enhance visibility and sense of security while creating a warm and inviting atmosphere for residents and commuters alike.

Parks and Plazas

Sleek design, energy efficiency, and high-performance lighting capabilities provide a and visually appealing environment for people to enjoy.

Academic and Business campuses

Advanced features such as comfort and precision optics, controllability, and low glare create a comfortable outdoor environment for students, faculty, and employees.

Retail and Hospitality spaces

Exceptional color rendering and a wide selection of lumen output and light distribution create an immersive and engaging experience for customers and guests, while also promoting a welcoming and inviting ambiance.

Limitless versatility

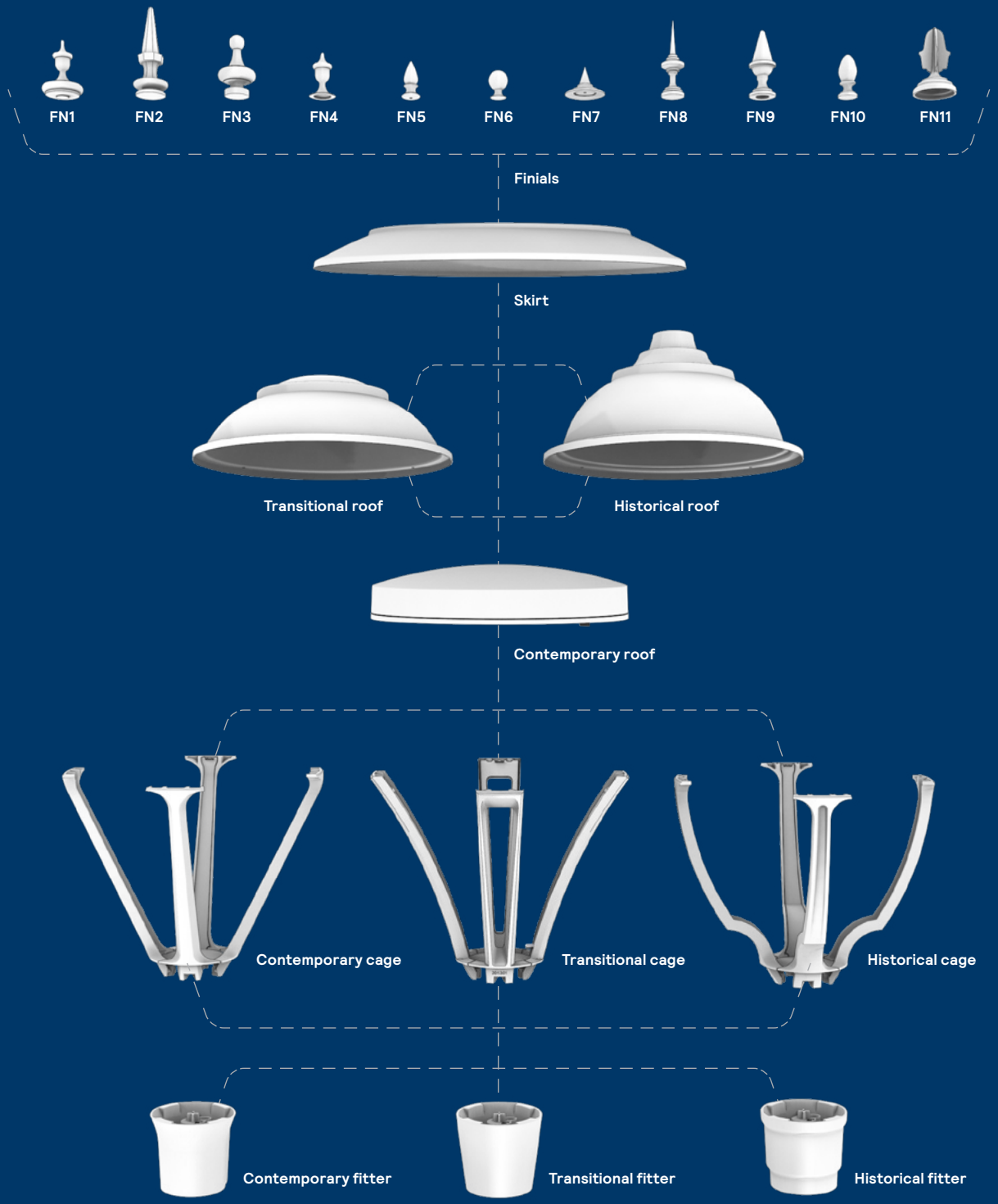
Introducing OmniScape, our new modular product family that redefines flexibility, performance and connectivity. With a wide range of style options, OmniScape is tailored to complement any urban environment. OmniScape is designed to seamlessly integrate into any smart city system with the latest connectivity features. A variety of decorative options are offered to complement your chosen design. Illuminate your city with style and efficiency – choose OmniScape, the ultimate urban luminaire.

Our goal

We believe in the profound objective to create an immersive and engaging environment by using light as a medium. We strive to find the perfect balance between functionality and aesthetics, while also considering the emotional and psychological impact of lighting. We aim to enhance the space, highlight architectural features and create a mood that complements the overall design. Ultimately, we want to help create a space that not only looks good but feels good, using light to evoke emotion and enhance the human experience.

Our approach

We are always looking for ways to improve the lighting experience for our customers. Our lighting solutions are designed to meet the unique needs of each individual customer. With our advanced glare control technology, we can provide high-quality lighting which creates more comfortable and visually pleasing environments that leave a lasting impression. We understand that lighting is an essential part of any space, and we are committed to providing our customers with the best lighting solutions possible.



More choice, less hassle

OmniScape is a modern, decorative luminaire family offering high performance in a modular design. Available with post top and arm mounting options, OmniScape provides the flexibility your urban applications crave. With several roofs, cages, fitters and arms across contemporary, transitional and historical styles, the OmniScape family provides a coherent aesthetic in over 54 different luminaire configurations for a hassle-free design process. Both ComfortEdge™ and precision light engines are available to further the flexibility.

Modular by design

With three different styles of roofs, cages and fitters, you can easily create a custom lighting solution to fit your unique needs. Our all-new ComfortEdge™ technology ensures optimal lighting performance and energy efficiency, providing a superior level of comfort for all users. Whether you're looking for a sleek and contemporary look or a more historical feel, our modular luminaire offers the flexibility to achieve your desired aesthetic.

ComfortEdge™

This new technology is a state-of-the-art lighting solution offering improved glare control, higher lumen output and increased efficacy. This technology is designed to provide a more comfortable and visually appealing lighting experience, while maintaining energy efficiency and cost-effectiveness.

Precision Optics

This latest generation optimized light engine offers the flexibility to balance application coverage and efficiency, luminaire efficacy and costs. The precision optics light engines cover a wide range of standard fluxes and optics and are used across the biggest part of our luminaire portfolio. When needed, we can support in tuning and optimizing your project solutions further with exclusive tools. The three pillars that characterize our precision optics light engines are standardized optics, standard engines and tailor-made solutions.

Flexibility

The OmniScape family of decorative road and street luminaires prepares your city for the digital age, while saving energy costs and optimizing maintenance efficiency.

Features

- Contemporary style
- Transitional style
- Historical style
- Post top mount
- Brackets
- Arm mounts
- Skirt option
- Finial options
- Precision optics light engine
- ComfortEdge™ light engine
- 2700, 3000, 4000K CCT
- 70/80 CRI
- Multiple distributions available

Contemporary, Transitional and Historical

Inspired by different architectural eras, all elements are thoughtfully designed to create cohesion as a whole, resulting in a versatile lighting solution that will fit any urban environment.

ComfortEdge™ and Precision

Find the perfect balance between glare control and mounting height with our range of comfort and precision light engines.

Post Top, Brackets and Arm Mounts

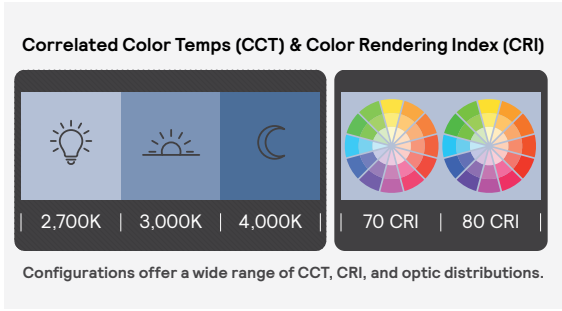
Two mounting options for versatile installation that fits a broad range of application.

Single and Dual Arms

Offering both single and dual mounting options for arm mounts, providing flexibility and ease of installation for various lighting solutions in public spaces.

Decorative Skirt and Final options

Our new urban luminaire offers a range of decorative options to ensure that it will match any aesthetic and complement any urban environment.

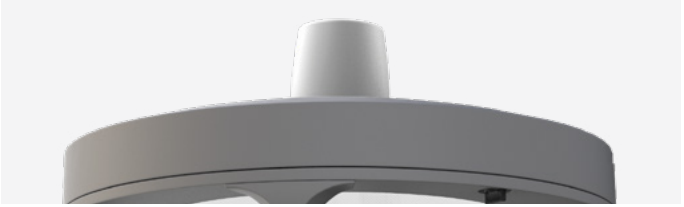


Color temps, Color rending & Distributions

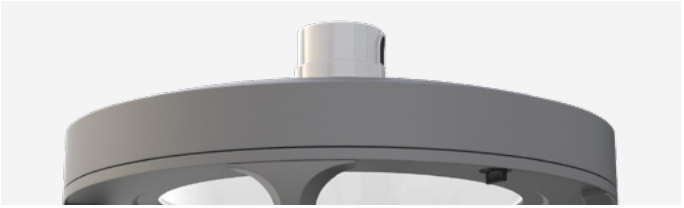
Our lighting solutions offer a wide range of options for CCT, CRI, and optic distributions to meet diverse lighting needs and create the optimal lighting conditions for any space.

Seamless convergence

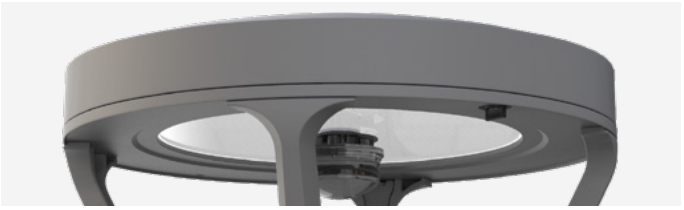
Our new modular urban luminaire was designed with connectivity in mind from the ground up, providing customers with greater flexibility and control over their lighting systems. The luminaire is fully compliant with the Zhaga standard, ensuring interoperability and compatibility with other Zhaga compliant lighting products. Its open architecture and standard interfaces make it easy to connect to existing networks, sensors and other devices, providing a future-proof solution for any smart city project. When needed, we can support in tuning and optimizing your project solutions further with exclusive tools. The three pillars that characterize our precision optics light engines are standardized optics, standard engines and tailor-made solutions.



Shown with
Interact node



Shown with
PH8 Twist-lock
photoelectric cell



Shown with
Zhaga D4i driver

Connectivity

OmniScape luminaires feature a 7-pin receptacle with a dimming driver, enabling connected lighting. Universal Zhaga Book 18 receptacle and D4i or SR drivers are also available as options. This means you can install your luminaires today and add nodes and sensors later - without any hassle.

Options

- **zD4i:** Zhaga certified driver
- **DALI:** Digitally Addressable Lighting Interface driver
- **SR:** Sensor Ready driver
- **TRLD7:** 7-pin receptacle
- **TLRSR:** Zhaga socket
- **OMS:** Outdoor Multi-sensor
- **MW/IR:** Microwave or Infrared motion sensors
- **FAWS:** Field Adjustable Wattage Selector
- **PH:** Photoelectric Cell controls

Interact Node

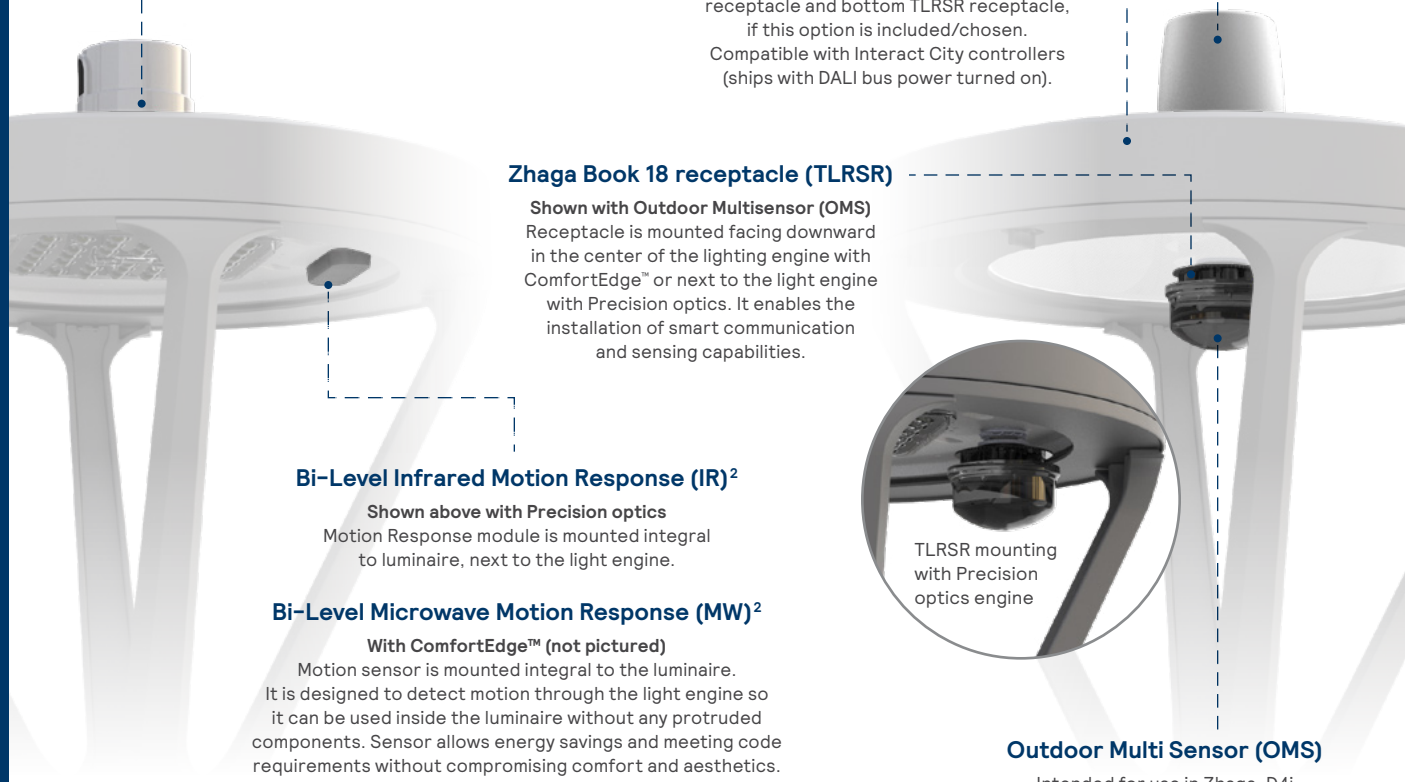
Installed on NEMA socket (TRLD7)
Provides plug and play wireless communications to connect your streetlight to an Interact lighting management system.

NEMA socket (TRLD7)

Shown with Photoelectric Cell
Receptacle with 7-pins that enables dimming with two extra connections for future use and capped off at the factory (requires connection in the field). Can be used with a twist lock control device, photoelectric cell or a shorting cap. Use of photocell or shorting cap is required to ensure proper illumination.

Sensor Ready Driver (SR) Zhaga certified driver (D4i)[1]

Used for dimming and other functions, 24V auxiliary supply and a logical signal input (LSI) connected to the top NEMA twist lock receptacle and bottom TLRSR receptacle, if this option is included/chosen. Compatible with Interact City controllers (ships with DALI bus power turned on).



Zhaga Book 18 receptacle (TLRSR)

Shown with Outdoor Multisensor (OMS)
Receptacle is mounted facing downward in the center of the lighting engine with ComfortEdge™ or next to the light engine with Precision optics. It enables the installation of smart communication and sensing capabilities.

Bi-Level Infrared Motion Response (IR)[2]

Shown above with Precision optics
Motion Response module is mounted integral to luminaire, next to the light engine.

Bi-Level Microwave Motion Response (MW)[2]

With ComfortEdge™ (not pictured)
Motion sensor is mounted integral to the luminaire. It is designed to detect motion through the light engine so it can be used inside the luminaire without any protruded components. Sensor allows energy savings and meeting code requirements without compromising comfort and aesthetics.

Outdoor Multi Sensor (OMS)

Intended for use in Zhaga-D4i certified outdoor luminaires, to be mounted to the bottom Zhaga socket. Device contains multiple sensors to support different smart city applications.

1. Luminaire Information loaded in memory bank 1 as per ANSI C137.4 (2021) regulations. Consult factory for any other driver programming requirement.
2. Both sensors come with factory pre-programmed standard settings including a dimming level option of 10%, 20%, 30% or 50%, hold time of 20 minutes for MW and 15 minutes for IR with no stand-by period. It operates in the following fashion: Luminaire operates at selected dimming level (10%, 20%, 30% or 50%). When motion is detected by the sensor, the luminaire goes to full power/light output. When no motion is detected for 3 minutes, the motion response system reduces the wattage back to its settings of the normal constant wattage reducing the light level.

Customizing Creative Components

Contemporary

Boasting a modern and refined aesthetic, the Contemporary style incorporates a minimalist design language and soft volume transitions. Luminaire arms create an overall conical form, featuring gentle radii transitions and generous chamfers, adding character, and creating a sense of unity. This style is distinctively modern and aimed at contemporary architectural spaces, yet its minimalist appearance makes it suitable for a variety of outdoor areas.

Transitional

A harmonious fusion of classic and modern elements, the Transitional style creates a sophisticated and elegant look. The smooth fitter and curved arms are inspired by the natural beauty of the calla lily, and flow seamlessly from the base to the light source. The open frame design is a stylish feature that also pays homage to the historic luminaire that once illuminated the most renowned parks in North America. The transitional design is adaptable and timeless, complementing any architectural style or outdoor setting.

Historical

The Historical style draws inspiration from the past while incorporating seamlessly into the present, featuring a sleek acorn-shaped body that evokes the classic style of historical luminaires without the need for a globe. The double arched arms connect the fitter to the roof, creating a smooth and elegant classic silhouette. The top section combines dome and cornice forms to add character and familiarity to the design. The design is suitable for both historical and modern settings, as it blends the past and the present in a refined and versatile way.

High performance in a modular design for a cohesive aesthetic

Roof

Made of spun 1100 aluminum alloy with a 0.080in (2mm) minimum thickness, mechanically assembled to the housing with four (4) 10 24 UNC screws.

Cage

Each arm is a one-piece permanent mold from A356 aluminum alloy with a 0.188in (4.8mm) minimum thickness, mechanically assembled to the housing and fitter.

Fitter

Made of permanent mold A356 Aluminum alloy with a 0.188in (4.8mm) minimum thickness.

Post Top

OmniScape LED Post Top is the latest solution for high-performance lighting in any urban setting. With contemporary, transitional and historical style options, as well as a selection of roofs, cages and fitters, this luminaire is versatile and adaptable to any environment. It features a precision and comfort light engine, which provides exceptional efficacy and glare control, ensuring comfortable and efficient illumination.

Arm Mount

The new OmniScape Urban Arm Mount luminaire is a versatile lighting solution that offers both single and dual mounting options. This allows for greater flexibility when it comes to installation and ensures that the luminaire can be easily adapted to suit a range of different applications. Additionally, the OmniScape Urban Arm Mount Luminaire is available in two distinct styles, making it a great choice for those who are looking for a lighting solution that is both functional and aesthetically pleasing. Whether you're looking to illuminate a pedestrian walkway, a parking lot, or any other outdoor space, the OmniScape Urban Arm Mount Luminaire is sure to meet your needs.

ComfortEdge™ optics

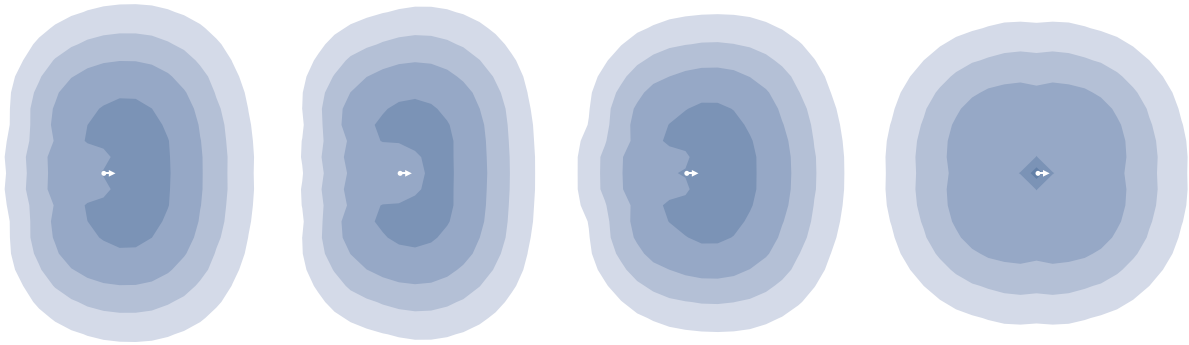
Edge-lit solutions have proven to help reduce perceived glare and overall brightness, but historically, control of distribution and uniformity was limited... until now.

Key features

- 2700K/3000K/4000K
- 70CRI/80CRI
- 0% uplight and U0 per IESNA TM 15
- Complies with Dark Sky requirements (3000K or lower only).

Best-in-class performance

Introducing ComfortEdge™, which reduces glare discomfort and creates a visually appealing atmosphere in outdoor spaces. Glare caused by artificial lighting can impact human health and well-being and even cause accidents. ComfortEdge™ technology combines cutting-edge LED technology with a sophisticated light guide system, achieving best-in-class performance with excellent photometric control and distribution performances. The technology delivers uniform vertical light and seamless light distribution overlap, resulting in consistent lighting with minimal contrast that facilitates smooth visual transitions within spaces. It also enhances the visibility of people's faces and objects across the area and can contribute to placemaking for outdoor spaces.



ComfortEdge Type II **ComfortEdge Type III** **ComfortEdge Type IV** **ComfortEdge Type V**

Precision optics

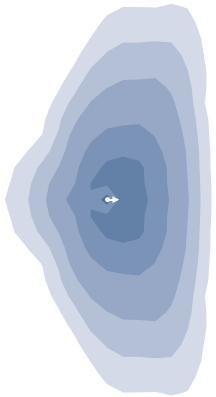
Precision optics deliver the same high level of performance as the solution you've trusted for years.

Key features

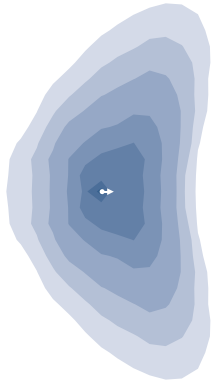
- 2700K/3000K/4000K
- 70CRI/80CRI
- 0% uplight and U0 per IESNA TM 15
- Complies with Dark Sky requirements (3000K or lower only).
- Optional flat glass lens

Rise to new heights

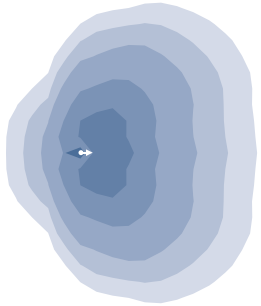
Precision optics are typically used at higher mounting heights or with applications requiring wider luminaire spacing. In many cases, using this light engine can further energy and installation savings due to wider pole spacing requiring fewer luminaires.



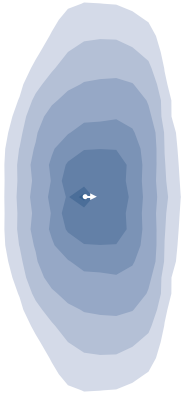
Precision Type II



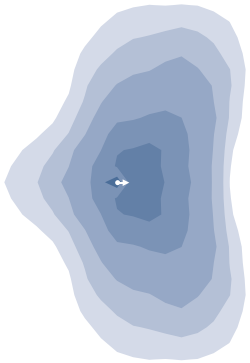
Precision Type III



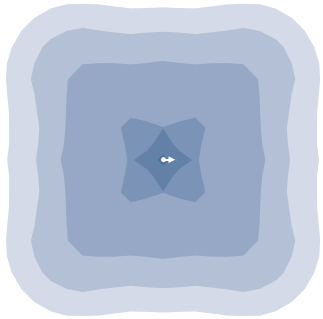
Precision Type IV



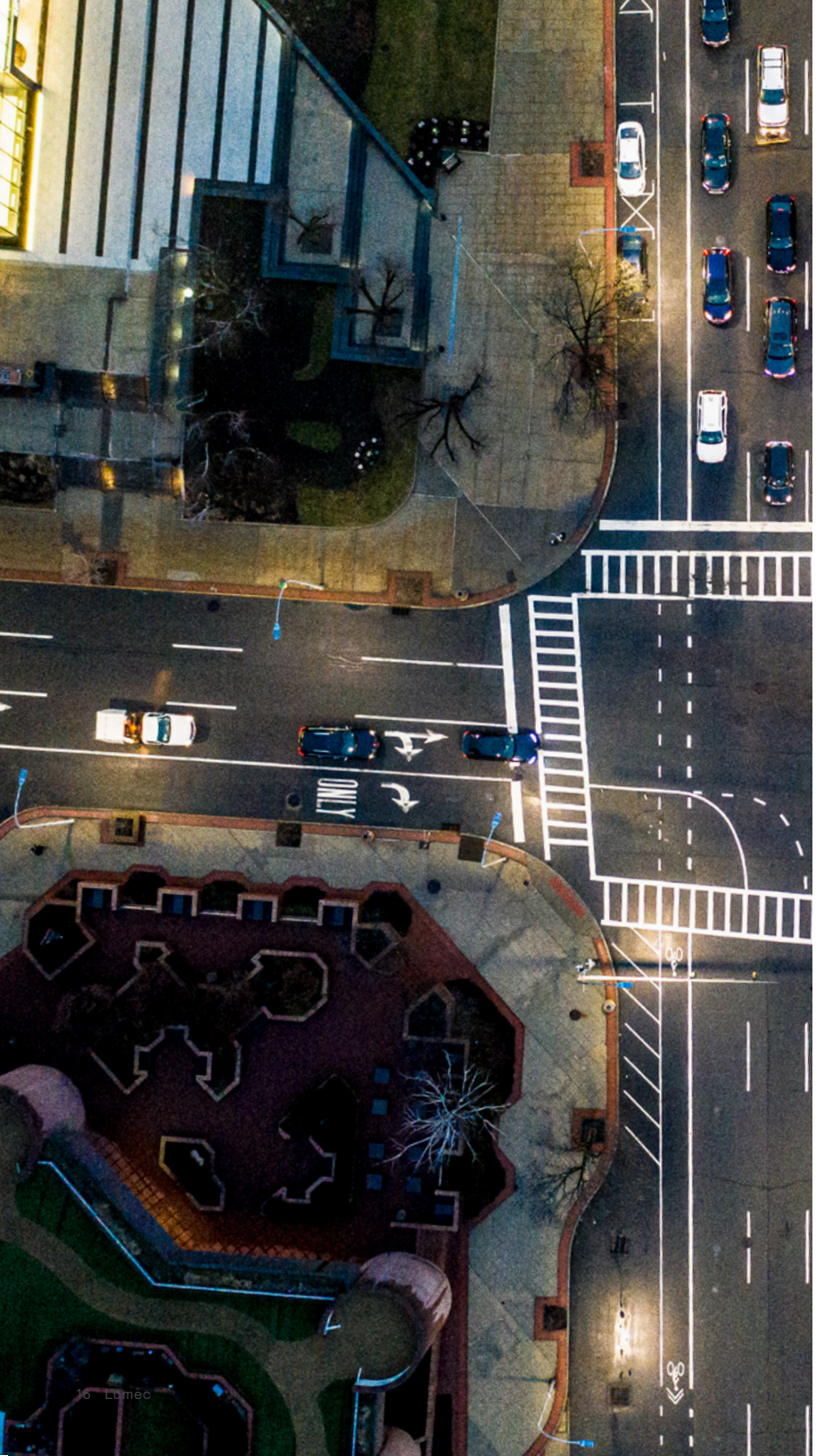
Precision Type II Back



Precision Type III Wide



Precision Type V



OmniScape & Interact

System-ready luminaires like OmniScape are built for the future, allowing you to benefit from an end-to-end street lighting management system like Interact City. Interact City is a connected LED lighting management system which helps you enhance services, foster a sense of security, beautify public spaces, encourage civic pride and increase energy efficiency. With Interact, you can remotely manage, monitor and control your city lighting, from roads and streets to sidewalks and crossings or parks and plazas.

What Interact City can do for you

- Control and monitor lighting remotely
- Set appropriate lighting schedules to deliver the right light when and where it's needed
- Override schedules manually in the event of incidents and emergencies
- Identify lighting failures through real-time fault notifications
- Support sensors that collect both lighting and non-lighting related data, which can be used for further analytics
- Achieve energy savings of up to 80% over conventional lighting*
- Visualize lighting assets in one dashboard
- Export lighting data to smart city dashboards

Smart city building blocks

Interact City utilizes powerful software applications which can transform city luminaires into valuable sources of data. You can then share the data you collect with other city management systems in order to analyze and gain new insights into your operations.

Lighting asset management

Software that gives you full visibility into your lighting infrastructure. Automatic fault detection alerts you to issues for quick response and minimal downtime. Data can be used to make informed decisions and optimize lighting performance. Manage lighting-related workflows from an intuitive app and view data from a centralized dashboard.

Scene management

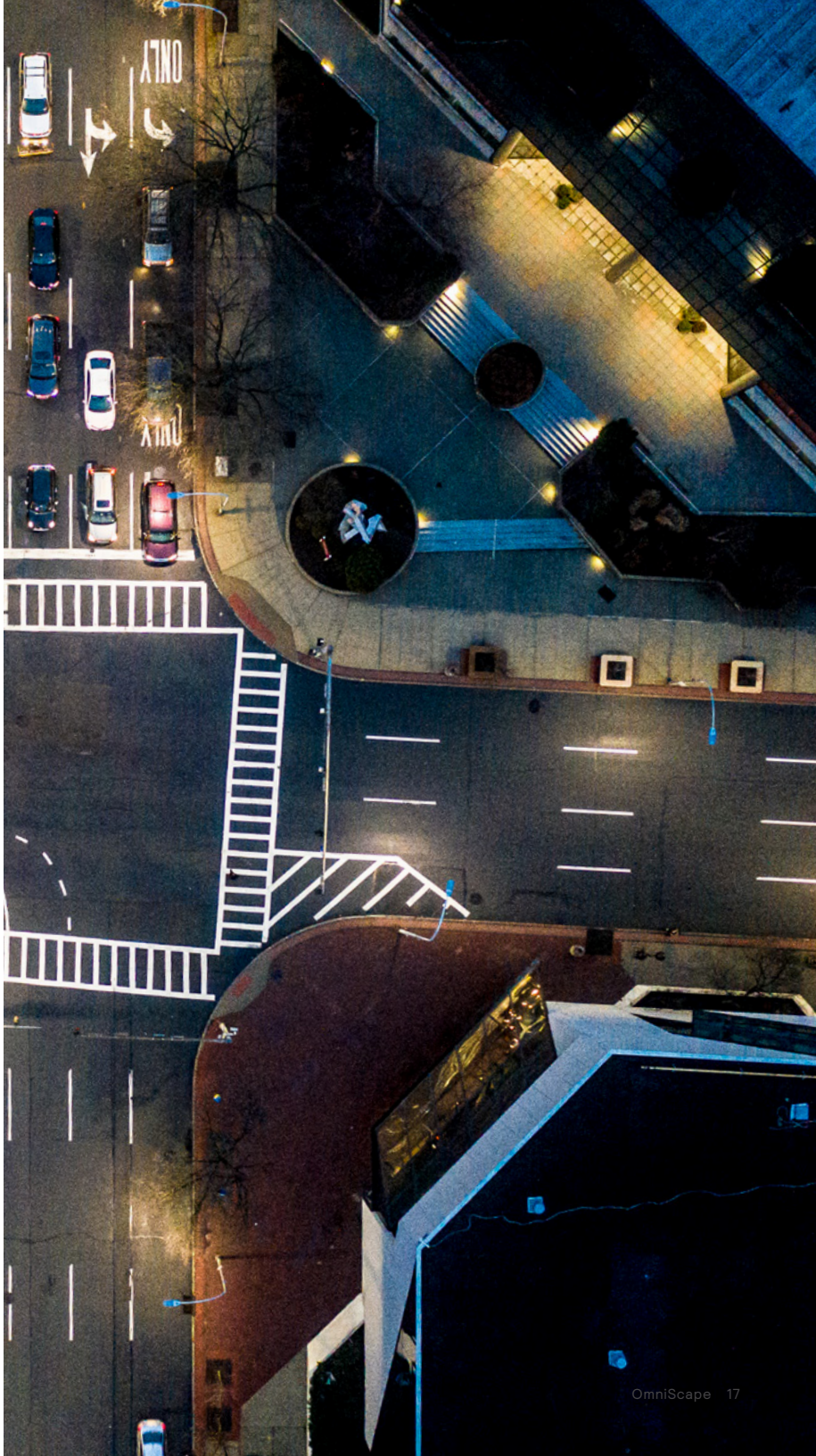
Remotely adapt city lighting to suit time of night, season or event. Turn lighting up if there's a traffic incident or a crime. Dim to 30% when the streets are empty late at night. Use sensors on the light poles to detect activity, keeping your citizens safe and comfortable – easily turning parks and plazas into livable spaces.

Energy optimization

Optimize street lighting performance and accurately measure energy usage in real-time. Full control of your city lighting lets you make progress toward your sustainability goals and lower energy usage and costs. Those savings can be reinvested into other areas of your city's infrastructure.

Sensors

Outdoor sensors which detect motion/presence, tilt, vibration, ambient temperature, noise and others, can be attached to a luminaire fitted with the ZHAGA Book 18 push-and-twist lock socket interface. Sensing functions can be remotely configured and data can also be sent directly to the Interact City application. Turn every street light luminaire into a city sentinel.



GENLYTE SOLUTIONS

a signify business

Signify North America Corp.
400 Crossing Blvd, Suite 600
Bridgewater, NJ 08807
Telephone: 800-555-0050

Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone: 800-668-9008