



EVOLVE Outdoor Fixtures

Any situation. Anywhere.



Any vision. Anywhere. Evolve® has you covered.

Current LED outdoor fixtures help you **realize your vision of outstanding light with reduced cost.**

Our comprehensive array of high technology solutions are engineered to improve the quality of light while reducing the cost of light. As the legacy company of the world's Lighting leader, our depth of experience goes back generations to the original technologies our LED products replace today. So we understand what it means to switch from HID, metal halide, and fluorescent to the extraordinary advantages of LED. Every LED product we create dramatically reduces energy usage while improving the brightness, color and life of the fixture. Our proven record of performance is unsurpassed in the industry and backed by rigorous testing that ensures reliability over long product life. No matter what your vision for the lighting challenges you face today, for roadway, area, flood, tunnel and other commercial outdoor lighting applications,

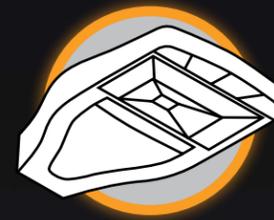
Evolve® from Current *has you covered.*



Flood Lighting



Street/Roadway Lighting



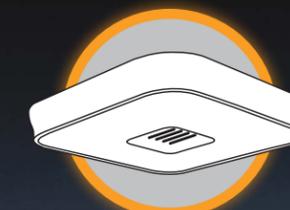
Area/Site Lighting



Post Top Lighting



Wall Mount Lighting



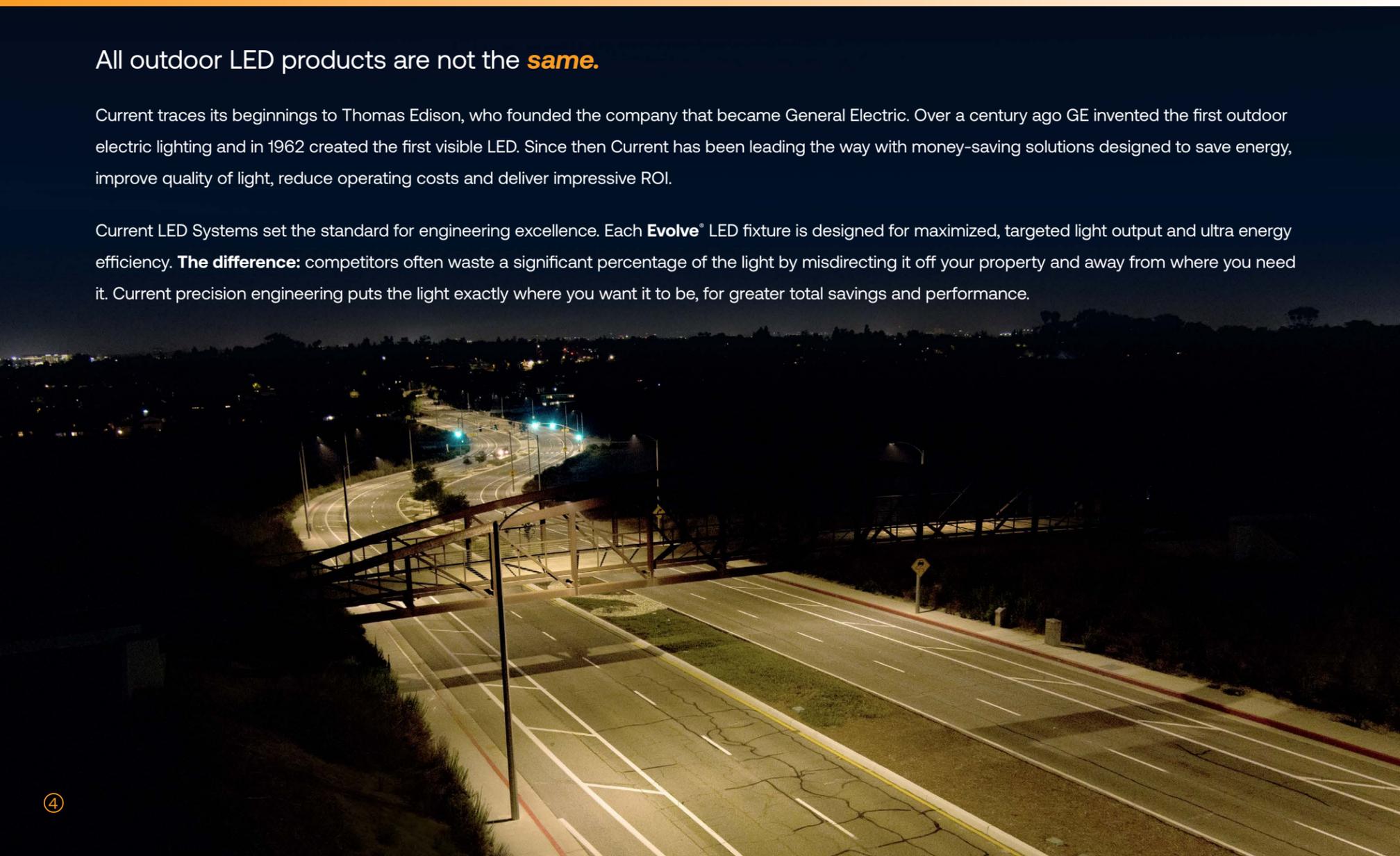
Parking Garage/
Canopy Lighting

Any situation. Anywhere. Evolve® has you covered.

All outdoor LED products are not the *same*.

Current traces its beginnings to Thomas Edison, who founded the company that became General Electric. Over a century ago GE invented the first outdoor electric lighting and in 1962 created the first visible LED. Since then Current has been leading the way with money-saving solutions designed to save energy, improve quality of light, reduce operating costs and deliver impressive ROI.

Current LED Systems set the standard for engineering excellence. Each **Evolve®** LED fixture is designed for maximized, targeted light output and ultra energy efficiency. **The difference:** competitors often waste a significant percentage of the light by misdirecting it off your property and away from where you need it. Current precision engineering puts the light exactly where you want it to be, for greater total savings and performance.



Aiming to please

Current uses an advanced reflective optic design that meets RP-8 recommended practices for luminance, illuminance and small target visibility. This unique design ensures that **Evolve®** LED Light fixtures will deliver light control with significantly less waste than the other optical technologies used by many of our competitors.

Evolve® LED Light fixtures have improved ratings for backlight, up-light and glare (BUG ratings) to direct more light on the intended surface and not in neighboring properties, meeting tight local ordinances and International Dark-Sky (IDA) requirements.

CURRENT



Our unique reflective technology allows us to focus light where it's needed with less glare.

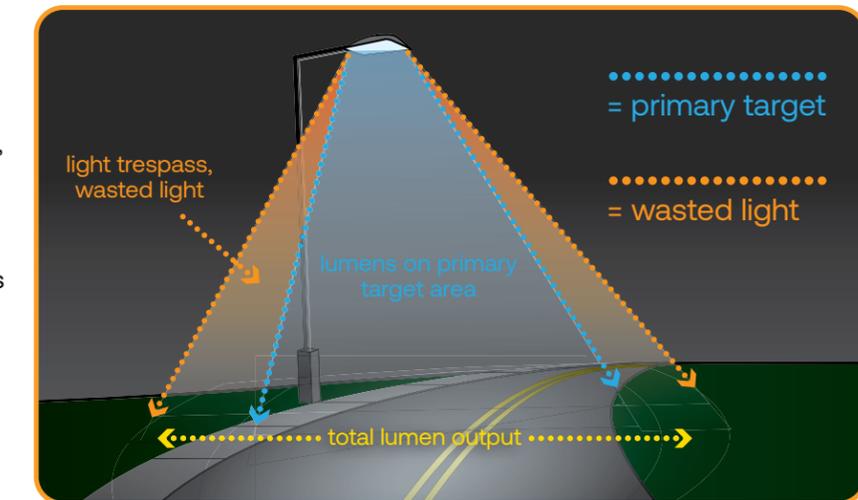
COMPETITION



The refractive technology design used by other manufacturers typically results in more wasted light trespass and glare at ground level.

Light on target: coefficient of utilization

By putting energy toward the task of lighting the roadway, parking lot, rail yard or work area and not the surrounding property, **Evolve®** LED Light fixtures put light where it is intended and provide more efficient utilization of light. This is known as coefficient of utilization or (CU), and is a key characteristic of any fixture when determining its ability to light the intended area. A higher CU means less wasted light which, in turn, means lower energy consumption. This will reduce costs over the life of the fixture.



Efficiency in action

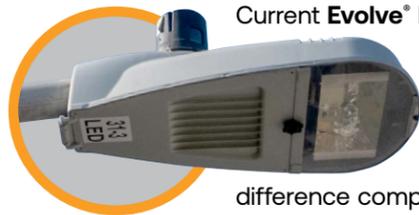
- Lumens per Watt (LPW) = Total Lumen Output / Total Watts
- Coefficient of Utilization (CU) = Lumens on Primary Target Area / Total Lumen Output
- Higher the Coefficient of Utilization (CU) = Less Wasted Light

Sometimes, flat is better



Those crevices, pockets and ridges in competitor outdoor luminaires can become the perfect places for dirt and grime to collect—potentially reducing overall LED light output and impairing the intended pattern of light distribution. This problem is called Luminaire Dirt Depreciation (LDD) and it can reduce the performance of outdoor LED lighting.

Smooth operator



Current **Evolve**® LED Outdoor Luminaires with flat glass lens and reflective optics chamber offers a dirt depreciation rate of just 1.0% per year, a significant difference compared to competitor luminaires that use less streamlined lens designs and alternative optics engineering.

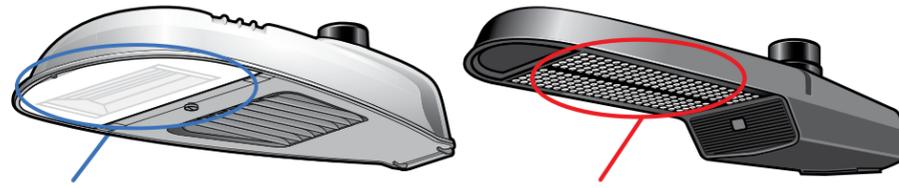
That means time and money saved on cleaning schedules.

Product	LED Optic	Dirt Depreciation Rate
Current Evolve	Flat Glass	1.0% per year
Tested Product A	Individually Molded Acrylic	1.8% per year
Tested Product B	Molded Glass	2.2% per year
Tested Product C	Individually Molded Acrylic With No Outer Optic	3.0% per year
Tested Product D	Large Individually Molded Acrylic	3.8% per year

Source: Illuminating Engineering Society, RES-1-16 Measure and Report Luminaire Dirt Depreciation (LDD) in LED Luminaires for Street and Roadway Lighting Applications; Gibbons, Palmer, Meyer, Terry

Dust and dirt just can't get a grip

The **Evolve**® fixture houses the LEDs and reflectors in a dirt- and dust-free cavity with an IP65/IP66-rated optical enclosure and a tempered glass lens to minimize the effects of dirt. This design approach provides consistent brightness and light distribution over the life of the product.



CURRENT

Flat, tempered glass lens protects the LED optical enclosure. Lens surface is smooth and flat which is less prone to dirt accumulation.

COMPETITION

Designs that have exposed refractive optics have more crevices (or surfaces, edges, pockets) prone to dirt accumulation that could adversely affect the beam distribution pattern.

A recent Illuminating Engineering Society report* on LDD stated:

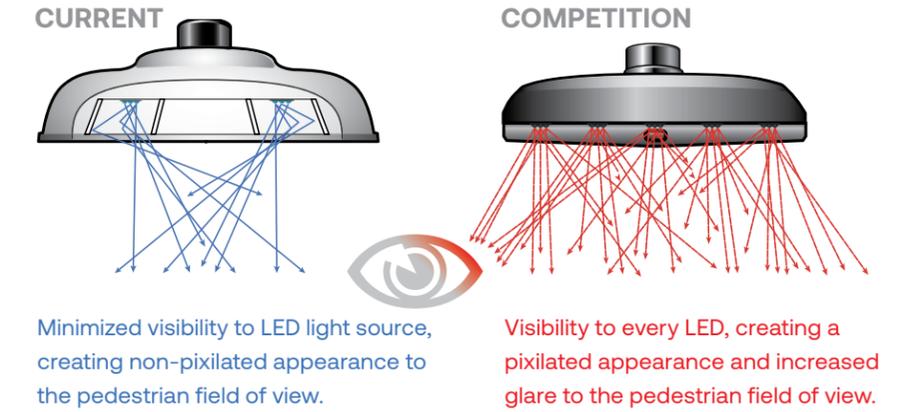
“LED luminaires with flat glass optics were less susceptible to average dirt depreciation than luminaires with exposed inner optics...”

With exposed optics, especially the individually molded acrylic, the surface of the optic is much more complex, has significantly more leeward edges, and significantly more surface area. These features will cause much more turbulence over the exposed optics, enabling dirt to accumulate on each individual optic and likely leading to more dirt sticking.”

*Source: Illuminating Engineering Society, RES-1-16 Measure and Report Luminaire Dirt Depreciation (LDD) in LED Luminaires for Street and Roadway Lighting Applications; page 71, Gibbons, Palmer, Meyer, Terry

Minimizing glare

Innovative, reflective Current design carefully puts light where it is needed and minimizes direct view of the light source with a non-pixelated appearance. Current engineering recesses the LED array within the optic (or reflector) to limit visibility of the LEDs from the ground level, minimizing glare. Many competing optical designs use LED arrays with individual optics, making the entire array visible to the pedestrian, resulting in a pixelated appearance with higher levels of glare and increased light trespass.



Minimized visibility to LED light source, creating non-pixelated appearance to the pedestrian field of view.

Visibility to every LED, creating a pixelated appearance and increased glare to the pedestrian field of view.

Evolve® Production Facility – Hendersonville, NC

- More than 60 years of assembling products in the USA.
- **Roadway Products Produced:** Cobra Heads, High Mast, Post Tops, Security Lights

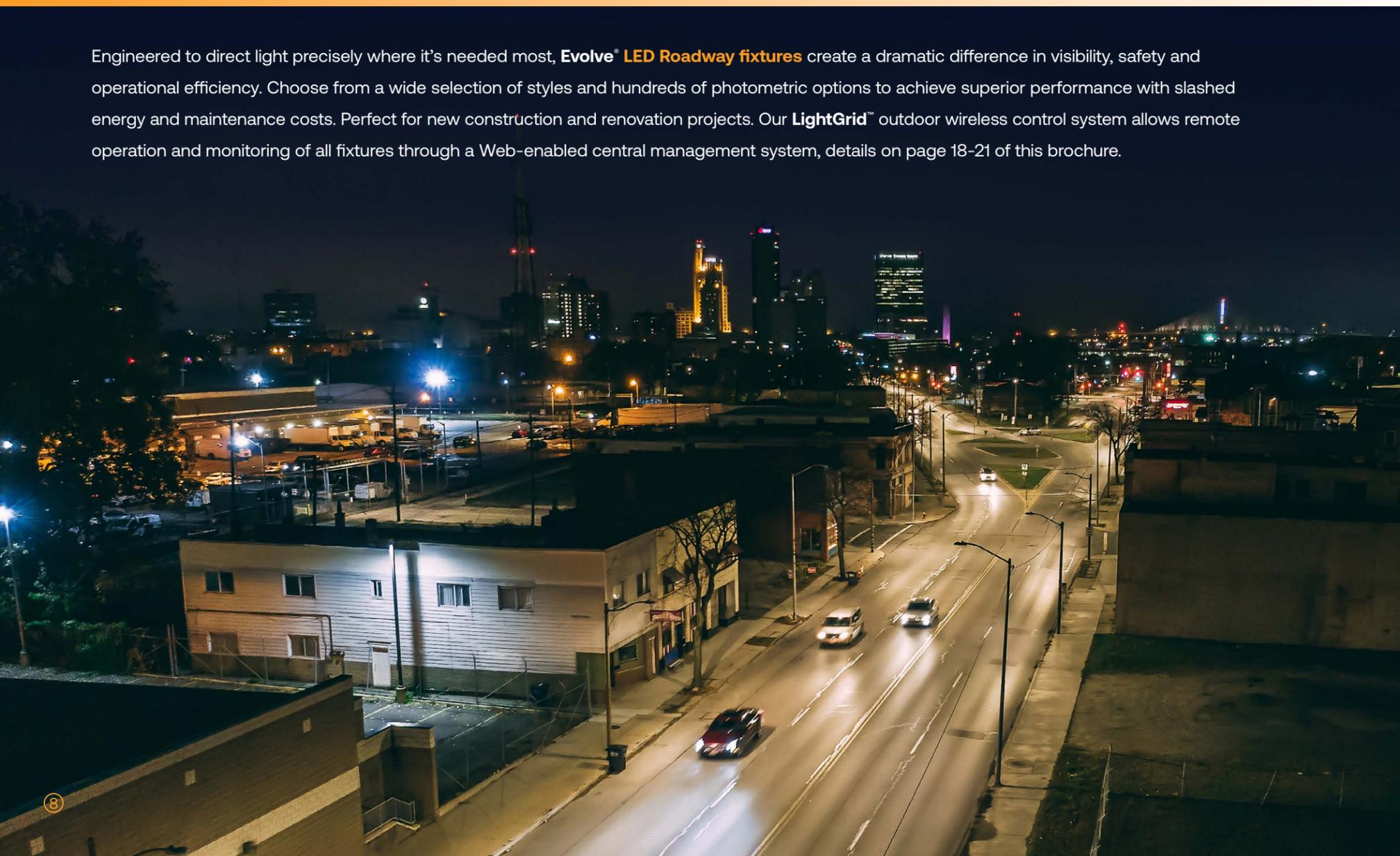


- **Outdoor Products Produced:** Area Lights, Floods, Wall Packs, Canopy/Garage
- Robust product design & extensive testing criteria = long-term performance and reliability.



Any road. Anywhere. Evolve® has you covered.

Engineered to direct light precisely where it's needed most, **Evolve® LED Roadway fixtures** create a dramatic difference in visibility, safety and operational efficiency. Choose from a wide selection of styles and hundreds of photometric options to achieve superior performance with slashed energy and maintenance costs. Perfect for new construction and renovation projects. Our **LightGrid™** outdoor wireless control system allows remote operation and monitoring of all fixtures through a Web-enabled central management system, details on page 18-21 of this brochure.



Evolve® LED CobraHeads

The **Evolve®** LED luminaire portfolio is optimized for customers requiring a LED solution for local, residential, collector, expressways, freeway interchanges and other major roadways. Current's unique reflective optics are designed to optimize application efficiency, minimize glare and shape the light so it goes where you want it.



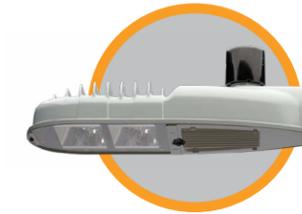
ERLC

The **ERLC** series is a **30% lighter** compact fixture optimized for residential and local roadway solutions.
(2,000 – 7,000 lm)



ERL1

The **ERL1** series is a fixture optimized for customers seeking residential, local, collector and major roadway solutions.
(2,000 - 16,000 lm)



ERL2

The **ERL2** series is a fixture optimized for customers seeking local, collector and major roadway solutions.
(16,000 – 32,000 lm)

Evolve® LED High Mast Gen03

The Evolve **ERHM03** is an LED High Mast solution with advanced reflective optics which are optimized for expressway, freeway interchange and other large-area applications.



ERHM03

The **ERHM** has Asymmetric and Symmetric distributions with excellent light control, efficiently aiming the light where it is needed.
(28,800 – 110,000 lm)



Evolve® LED Security Light

Energy efficiency in a rugged, easy to install, light weight fixture; advanced optical design offers Type III/IV and Type V photometry with either a plant or field installable refractor option.



E2SC

The **E2SC** minimizes glare and provides superior cut off with significantly less wasted light. Easy to install, light weight 8.5 Lbs. Available with either a plant or field installable refractor option.
(3,750 – 6,270 lm)



Any setting. Anywhere. Evolve® has you covered.

When the look of your fixture needs to complement the architecture and landscape design of a particular environment, **Evolve® LED Post Tops** are the perfect choice. Choose from a range of distinctive models, including historically accurate carriage and coach fixtures in both angular and curvilinear profiles. Set the stage for a truly authentic occupant experience with fixtures that feel just right while providing advanced-technology performance via superior energy efficiency and quality of light, improved horizontal and vertical uniformity, reduced glare and precise lighting control.

Evolve® LED Post Tops



EPTT
(Town & Country)

The **EPTT** series offers energy efficiency, improved uniformity, and high quality of light with a classic open or refractor style.
(1,900 – 8,030 lm)



EPAS
(Avery StreetDreams)

The **EPAS** series offers energy efficiency, improved uniformity, and quality of light in a classic, traditional style.
(2,600 – 9,300 lm)



EPST
(Salem)

The **EPST** series offers energy efficiency, improved uniformity, and quality of light in a classic, utility carriage look and style.
(2,800 – 8,900 lm)



EPTC
(Contemporary Twin Support)

The **EPTC** series offers energy efficiency, improved uniformity, and high quality of light with a classic open style.
(2,900 – 9,500 lm)



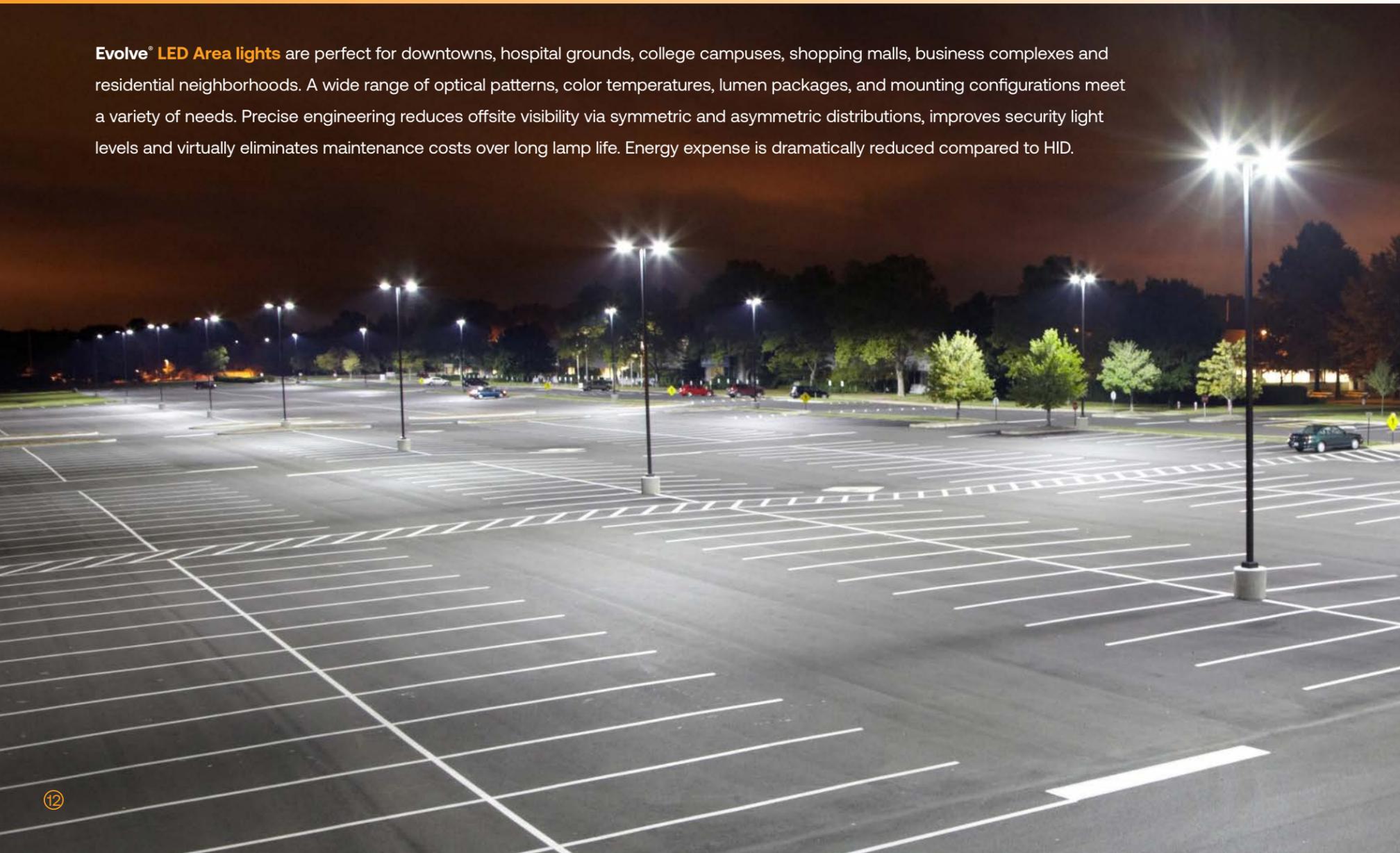
EPAM
(Americana)

The **EPAM** series offers energy efficiency and quality of light in acorn, classic or a colony look and style.
(1,900 – 12,600 lm)



Any location. Anywhere. Evolve® has you covered.

Evolve® LED Area lights are perfect for downtowns, hospital grounds, college campuses, shopping malls, business complexes and residential neighborhoods. A wide range of optical patterns, color temperatures, lumen packages, and mounting configurations meet a variety of needs. Precise engineering reduces offsite visibility via symmetric and asymmetric distributions, improves security light levels and virtually eliminates maintenance costs over long lamp life. Energy expense is dramatically reduced compared to HID.



Evolve® LED Area & Site



EACL
(Compact Low Wattage)

When a location dictates less light, not more, choose from as few as 3,000 Lumens all the way up to 20,000 Lumens with this cost-effective solution great for Commercial and Retail exterior applications.



EALS
(Standard)

Performance is optimized via a wide range of optical patterns, color temperatures; a universal mounting arm option makes installation easy; configurations from 7,500-30,000 lumens.



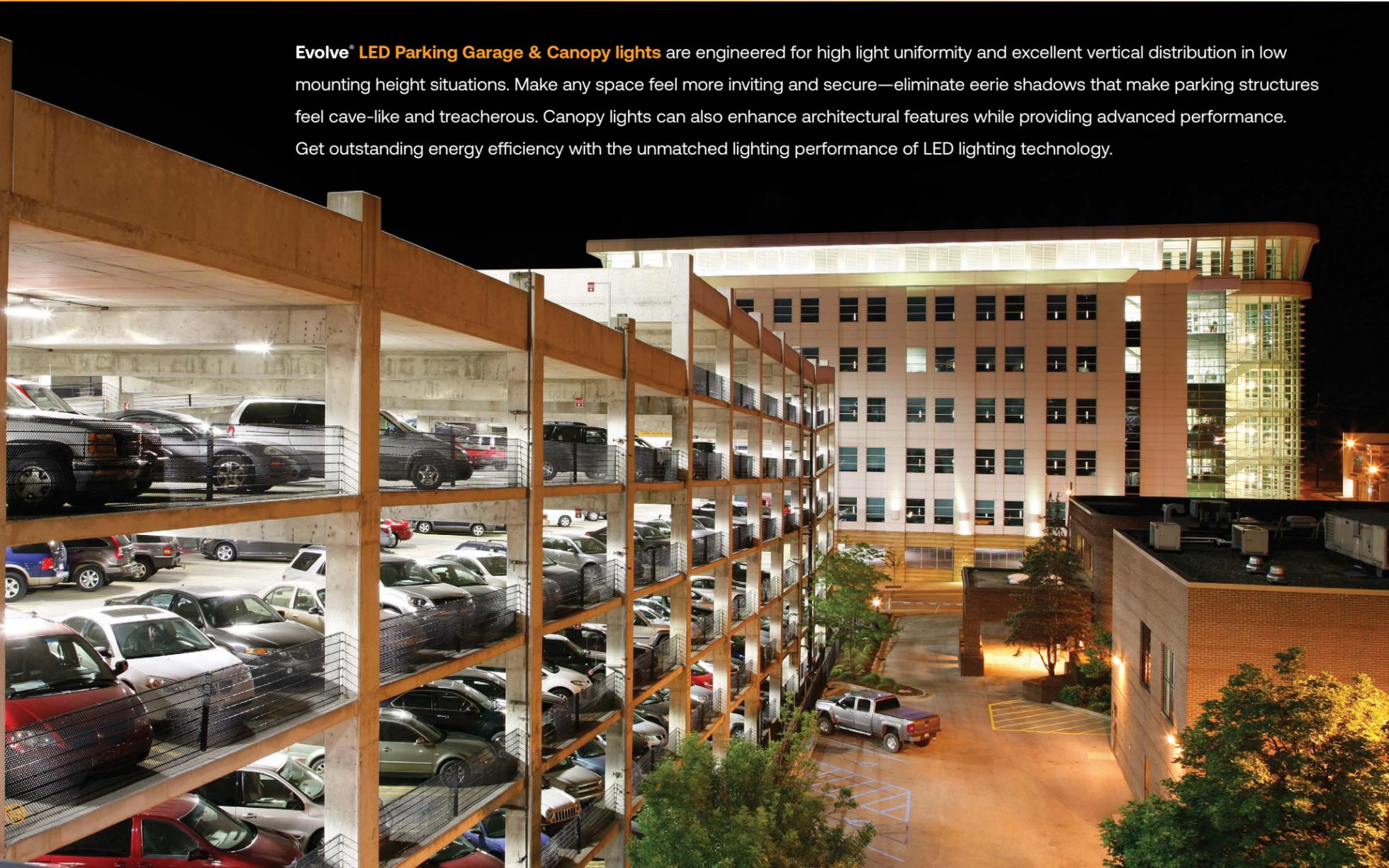
EALP
(Premium)

Configurations from 25,000 to 70,000 lumens; performance is optimized via a wide range of optical patterns, color temperatures; a universal mounting arm option makes installation easy.



Any garage. Anywhere. Evolve® has you covered.

Evolve® LED Parking Garage & Canopy lights are engineered for high light uniformity and excellent vertical distribution in low mounting height situations. Make any space feel more inviting and secure—eliminate eerie shadows that make parking structures feel cave-like and treacherous. Canopy lights can also enhance architectural features while providing advanced performance. Get outstanding energy efficiency with the unmatched lighting performance of LED lighting technology.



Evolve® LED Parking Garage & Canopy



EG2R
(Garage Light)

Classic HID replacement with programmable motion sensing, step dimming, daylight harvesting; optics provide low-glare in low mounting applications; up-lighting is standard.



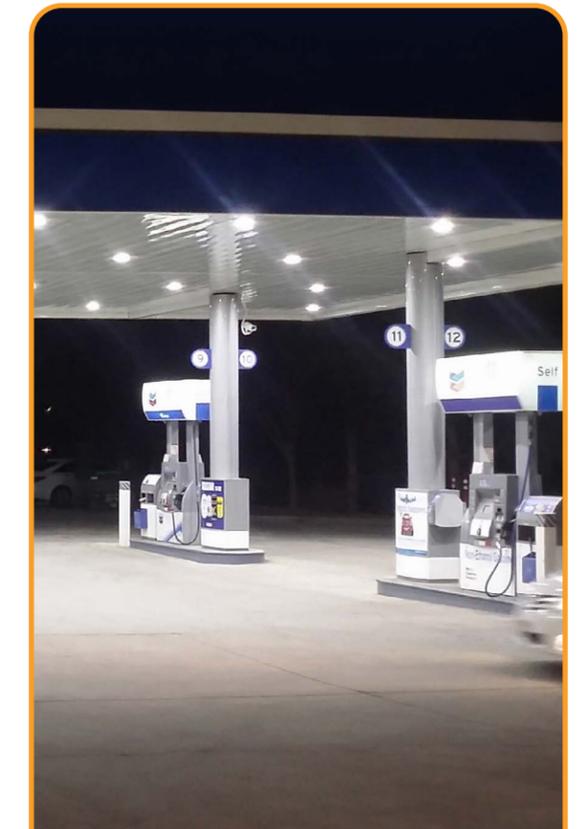
ECLS
(Canopy Soffit)

Energy efficiency and quality of light in a sleek low-profile look for closed ceiling drive thru and sidewalk applications; surface or recessed mount; photometric options for precise light placement.



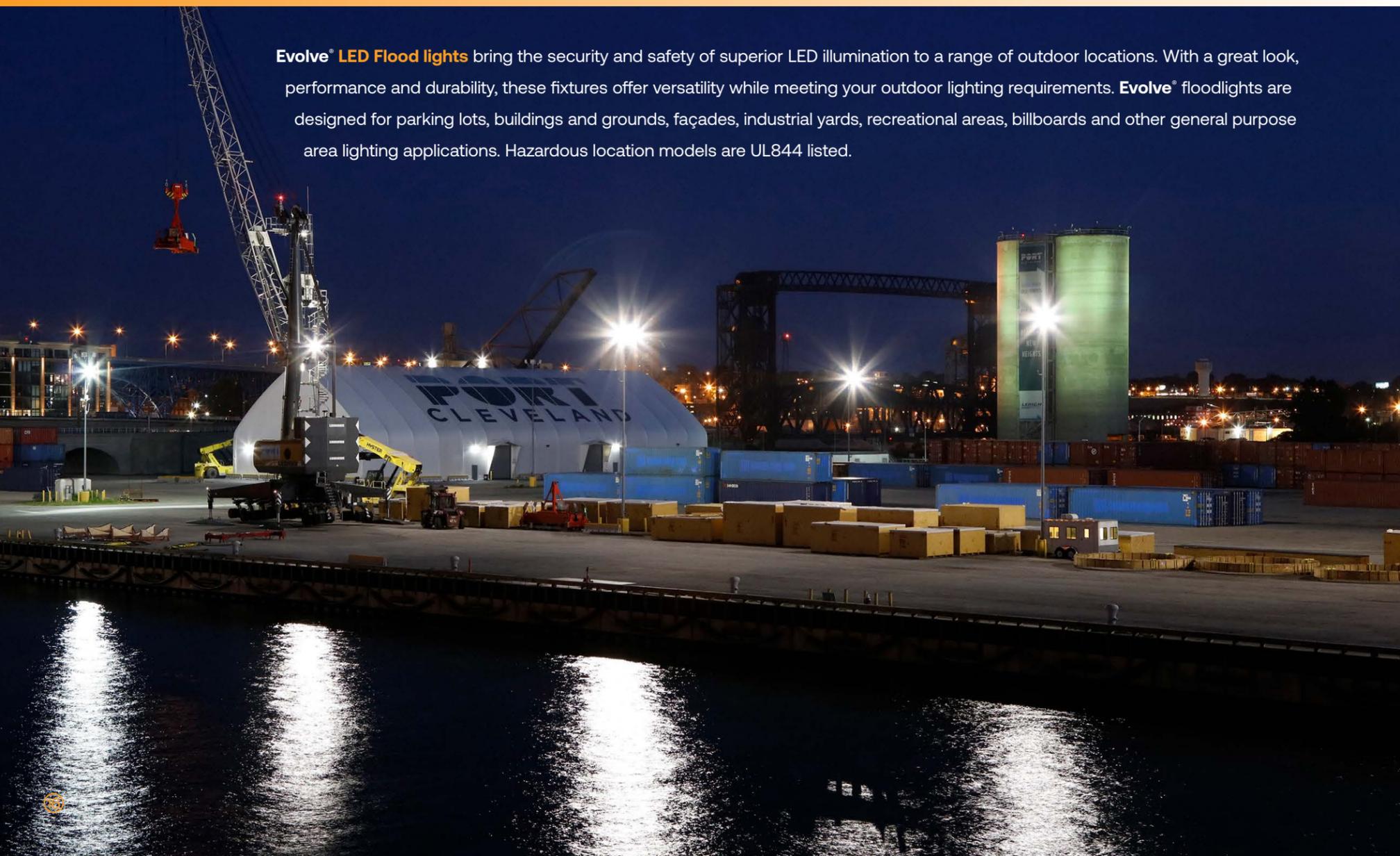
ECLP
(Canopy Petro)

Surface mount for wet open ceiling locations including gas stations; sleek low-profile look; photometric options for precise light placement.



Any application. Anywhere. Evolve® has you covered.

Evolve® LED Flood lights bring the security and safety of superior LED illumination to a range of outdoor locations. With a great look, performance and durability, these fixtures offer versatility while meeting your outdoor lighting requirements. Evolve® floodlights are designed for parking lots, buildings and grounds, façades, industrial yards, recreational areas, billboards and other general purpose area lighting applications. Hazardous location models are UL844 listed.



Evolve® LED Flood Lights



EFC

(General Purpose Flood and Spot Light)

2,000 – 12,000 lumen solution that meets the lighting needs for applications such as small format signage, facade, flag or monument, parking and landscape lighting. Offers significant energy savings with a long-life LED light source.



EFM

(Medium Output Flood and Spot Light)

10,000 – 30,000 lumen solution efficiently illuminates façade, flag pole, utility, billboard... most any flood application; slashed energy consumption and maintenance provide impressive ROI.



EFH

(High Output Flood Light)

30,000 – 60,000 lumen solution provides the higher output needed for larger distances and spaces. The energy savings, reduced maintenance and positive ROI continue to grow as the output increases.



EFMH

(Hazardous Location Medium Output Flood Lights)

UL844 listed 5,000 – 27,000 lumen solution efficiently illuminates heavy industry locations requiring Class I, II, or III safety compliance; engineered for long life and superior performance.



EFHH

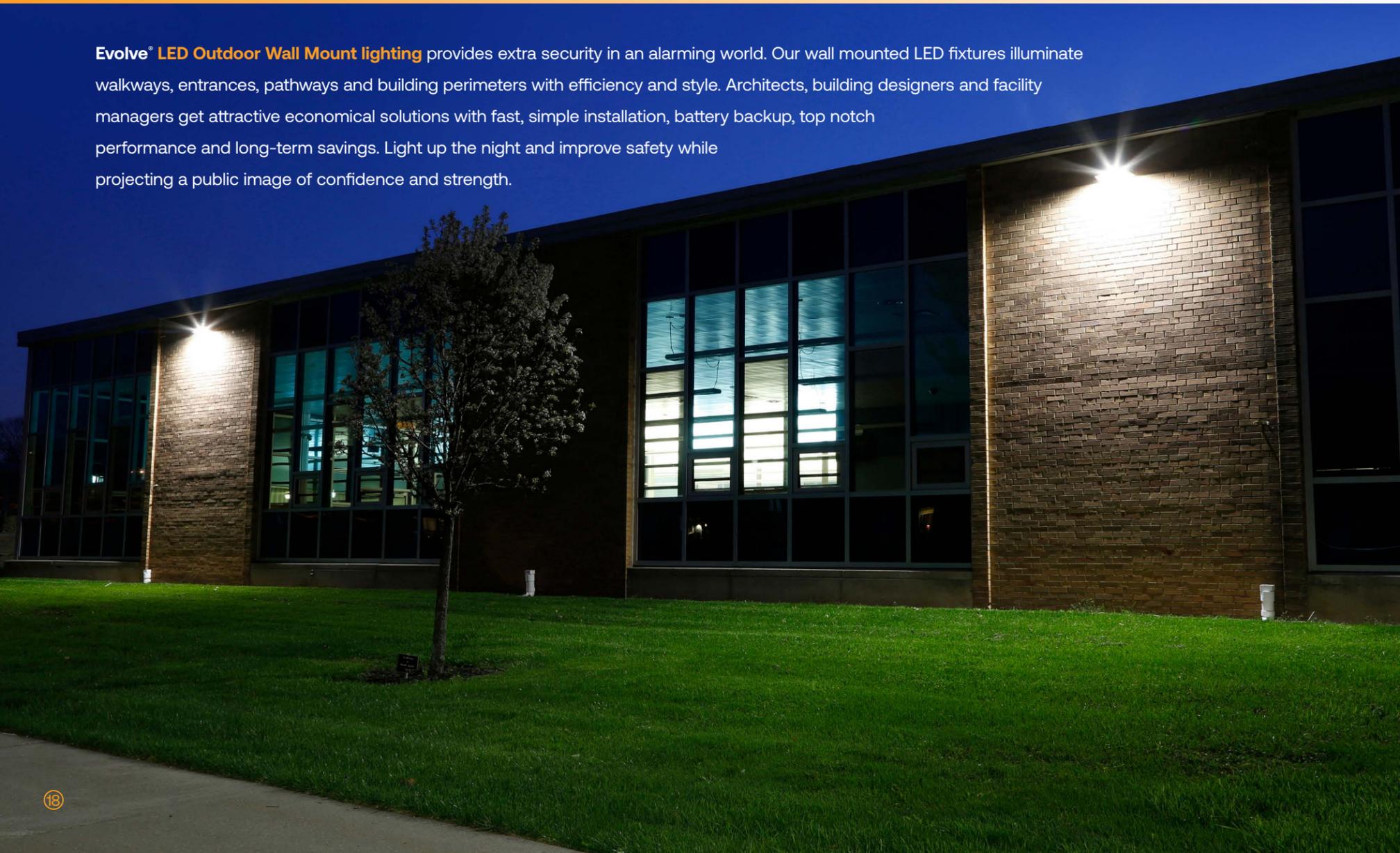
(Hazardous Location High Output Flood Light)

UL844 listed 20,000 – 40,000 lumen solution provides the same hazardous location suitability and is the perfect higher output partner to EFHM. Robust design and manufacturing process ensure ironclad reliability for years.



Any wall. Anywhere. Evolve® has you covered.

Evolve® LED Outdoor Wall Mount lighting provides extra security in an alarming world. Our wall mounted LED fixtures illuminate walkways, entrances, pathways and building perimeters with efficiency and style. Architects, building designers and facility managers get attractive economical solutions with fast, simple installation, battery backup, top notch performance and long-term savings. Light up the night and improve safety while projecting a public image of confidence and strength.



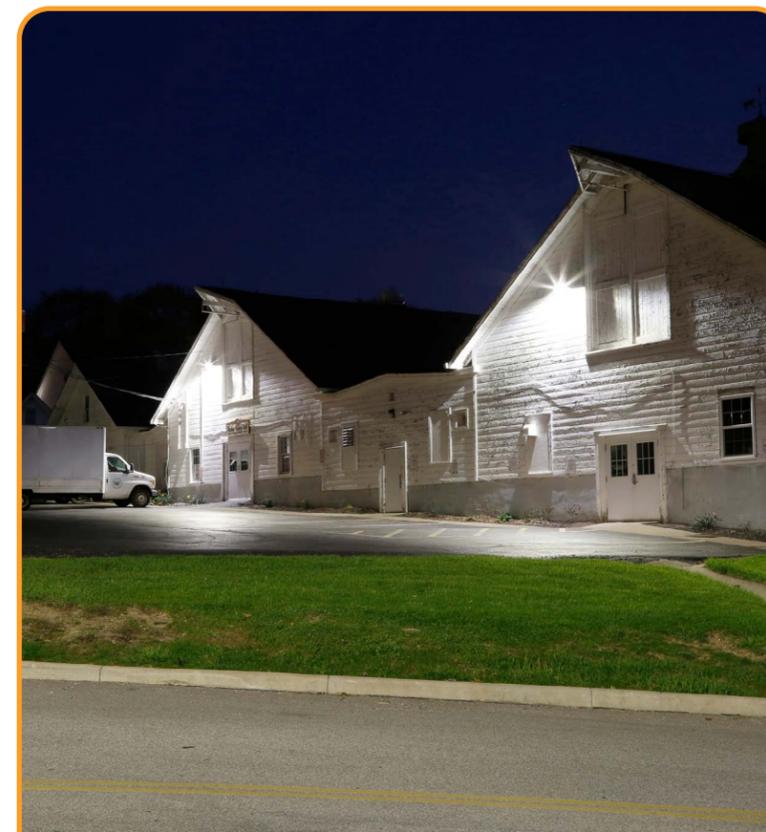
Evolve® LED Wall Mount Lighting



EWAS

(A-Series Wall Pack)

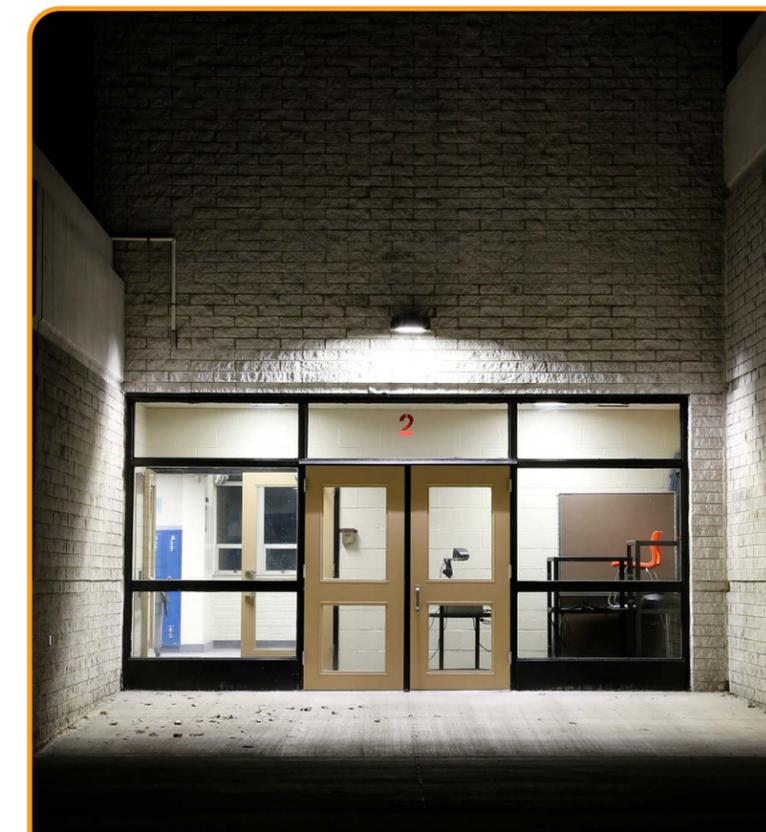
3,000 -17,000 lumen HID replacement delivers significant energy savings and long-life, offers Type II, III and IV optical patterns. Offers Emergency Battery Backup option.



EWLS

(L-Series Wall Pack)

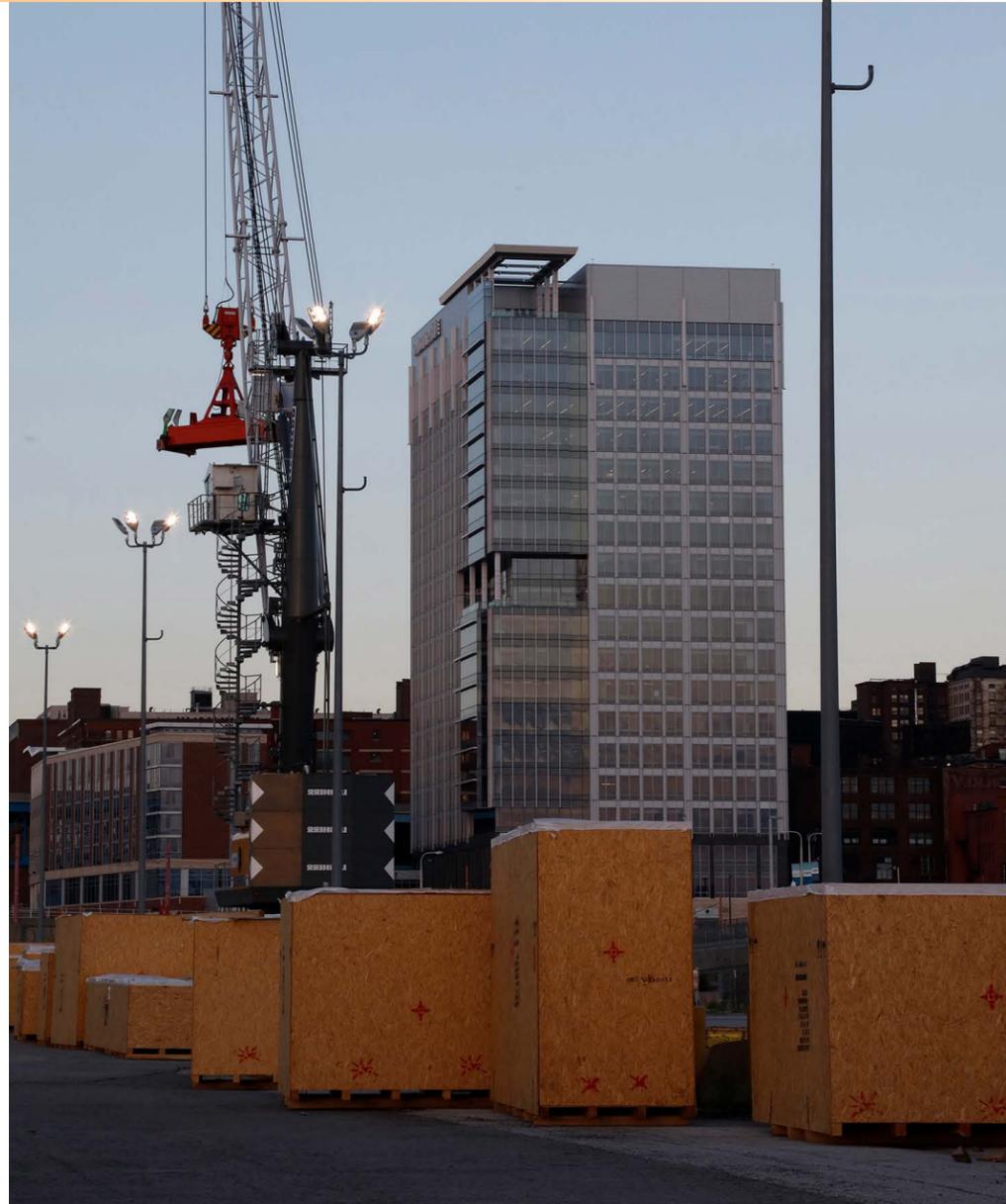
1,700 - 7,000 lumen HID replacement delivers significant energy savings and long-life, with Emergency Battery Backup option.



Any style. Anywhere.

Light poles built for superior support.

Current steel and aluminum light pole and bracket mounting solutions complement our wide variety of outdoor area and roadway lighting fixtures. Choose from tapered and non-tapered pole designs at heights up to 60 feet (18 meters). Many of our light poles and brackets accommodate single or multiple luminaire mounting, for greater flexibility in outdoor lighting design. From sleek, stylish poles for decorative post top fixtures to mighty street lighting designs, each has what it takes to support superior illumination for years to come.



Lighting Poles - Aluminum

ARSA

(Round Non-Tapered Poles)

Height: 8' to 30' (2m-9m)

Application: Area Lights, Post Top

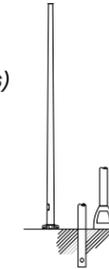


ARTA

(Round Tapered Poles)

Height: 20' to 45' (6m-14m)

Application: Area Lights, Flood Lights



Height: 10' to 20' (3m-6m)

Application: Post Top

ASSA

(Square Straight Poles)

Height: 10' to 30' (3m-9m)

Application: Area Lights

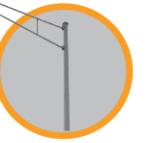


RRTA

(Round Tapered Poles)

Height: 20' to 40' (6m-12m)

Application: Roadway



Lighting Poles - Steel

ARTS

(Round Tapered Poles)

Height: 20' to 60' (6m-18m)

Application: Area Lights, Flood Lights

Height: 10' to 20' (3m-6m)

Application: Post Top



ARSS

(Round Non-Tapered Poles)

Height: 10' to 30' (3m-9m)

Application: Area Lights, Post Top



ASSS

(Square Straight Poles)

Height: 10' to 39' (3m-12m)

Application: Area Lights

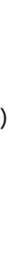


ASHS

(Square Hinged Poles)

Height: 20' to 39' (6m-12m)

Application: Area Lights, Flood Lights

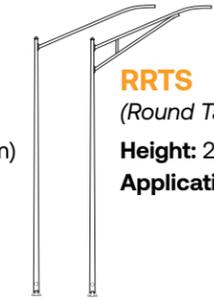


RRTS

(Round Tapered Poles)

Height: 20' to 50' (6m-15m)

Application: Roadway



Decorative Post Top Poles - Aluminum

HGTA

(Haight-Ashbury Fluted)

Reminiscent of vintage poles, complements any decorative post top or pendant mount luminaire; fluted base curves gracefully upward, providing beauty and elegance in any landscape.

Height: 10' to 18' (3m-6m)

Application: Decorative Post Top



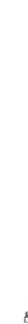
DWNA

(Downing Street)

Sleek and impressive design, complements any decorative post top or pendant mount luminaire; fluted base tapers to a collar adorned with four rosettes, evoking a bygone era.

Height: 10' to 18' (3m-6m)

Application: Decorative Post Top



EMBA

(Embarcadero)

Smooth and lustrous design, complements any decorative post top or pendant mount luminaire; shaft extends from a sheer, stylish base; straight-fluted, tapered-fluted, round-fluted and round-tapered versions available.

Height: 10' to 18' (3m-6m)

Application: Decorative Post Top



Any distance. Anywhere.

The smartest grid on the block.

The **LightGrid™** Outdoor Lighting Control System provides impressive access to every fixture in your system for greater total savings and efficiency. Designed for Street and Roadway Applications, **LightGrid™** enables remote monitoring, control, and asset management of a single fixture or a group of fixtures through a web-enabled Central Management System. From your desktop, you can see what's happening right now and track trends over time, transforming your decision-making process and making your life easier.



Control Output

- On/Off & Dimming
 - Constant Light Output
 - Custom Scheduling
- (Optimize Energy Usage)*



Remote Monitoring

- Report by Location
 - Day Burner/Dark Night Alerts
 - Fault Notification
- (Real Time Insight)*



Maintenance Optimization

- Line Voltage Data
 - Day Burner/Dark Night Alerts
 - Custom Fault Notification
- (Streamline Repair Calls)*



Utility Grade Measurement

- Accurate, Real Time Energy Metering Per Pole
 - +/- 0.5% Accuracy
- (Measure Actual Usage)*

System Elements (Hardware)



External Nodes

ELWN for Mesh and ELWC for Cellular



Internal Nodes

ELWN for Mesh



Gateway

ELWG for Mesh Gateway

System Elements (Software)

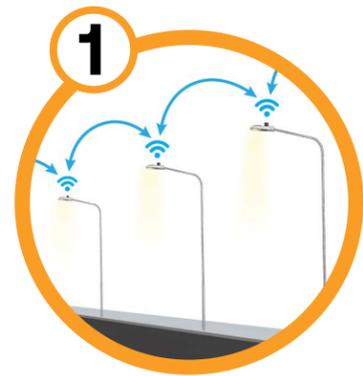


WebApp

LightGrid™

How it works.

RF Mesh Network



Nodes Reside on top of each light fixture and operate in a mesh network, communicating to each other as well as the gateway. From the Gateway, data is sent to the Central Management Server. Ideal for areas with high concentrations of adjacent poles such as Downtown and City Centers as well as Tunnels and Long Underpasses.



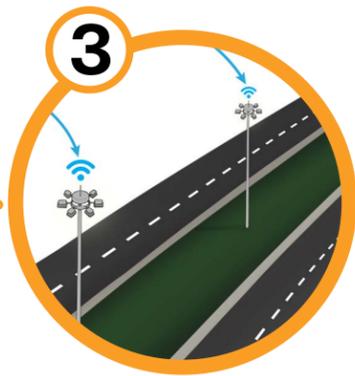
The gateway connects nodes to the Central Management System through a standard TCP-IP interface. Optional wireline connectivity available.

Cloud/Central Management System



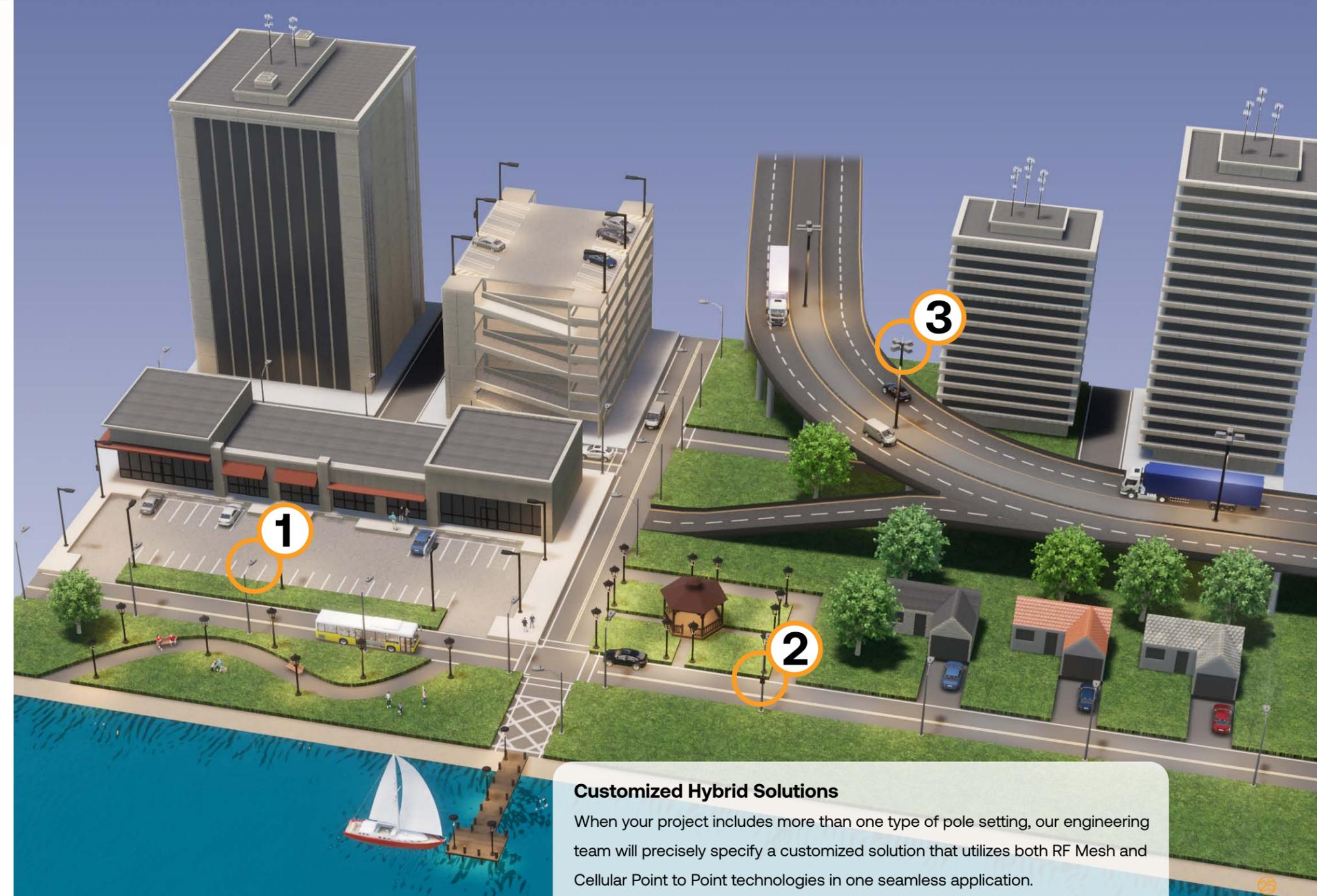
User friendly web based interface that provides real time data for a single fixture or group of fixtures, allows one to control lights remotely, as well as view the status of each of your light fixtures through a map view. One interface whether using a RF Mesh System, CATM System, or combination of both.

Cellular Point to Point System



Nodes Reside on top of each light fixture, data travels directly from each node back to the server, without the need of a Gateway. Perfect for areas with sparse pole locations such as Highways, Toll Roads & Parking Lots.

To learn more about **LightGrid™** and it's capabilities go to LED.com



Customized Hybrid Solutions

When your project includes more than one type of pole setting, our engineering team will precisely specify a customized solution that utilizes both RF Mesh and Cellular Point to Point technologies in one seamless application.

Daintree® Controls Software

Simple. Scalable. Flexible.



Featured Daintree® Controls Platform:



Daintree® Networked provides the infrastructure for feature-rich commercial lighting control for LED lighting for the entire building. The **Daintree® Networked** platform allows building owners and managers the ability to monitor and resolve energy performance with the Daintree apps, and allows customers to go beyond lighting control and into the world of IoT. **Daintree® Networked** works with various software vendors or technology partners to deliver a variety of use cases and outcomes including heat mapping, people counting, asset tracking and location-based services.



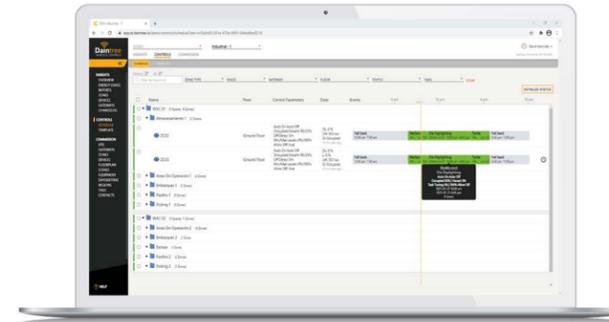
Our superior outdoor lighting solution incorporates advanced technology (WANSI) nodes designed to capture, transmit and receive critical information. With a quick twist of the wrist, every **Evolve®** fixture becomes addressable for instant dimming, on/off control, performance monitoring and optimization. The powerful **Daintree® Networked** wireless lighting and building control platform makes it possible. This highly scalable solution helps you keep up with evolving environmental regulations while transforming indoor and **Commercial Parking Areas** and **Outdoor spaces**.

- Individual fixture addressability
- Flexible Scheduling
- Full dimming
- Integrates with Building Management Systems
- Easy commissioning with Daintree Controls Software

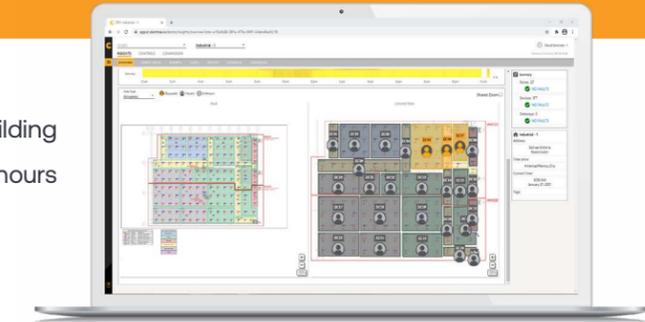


Outdoor light Fixture with ANSI 5 or 7 PIN socket

Daintree® Controls Software (DCS) is a web based app that allows full building and multi-site control. Managers can make adjustments to scheduling or lighting parameters based on hours of operation, seasonality, evolving energy codes or business energy requirements.

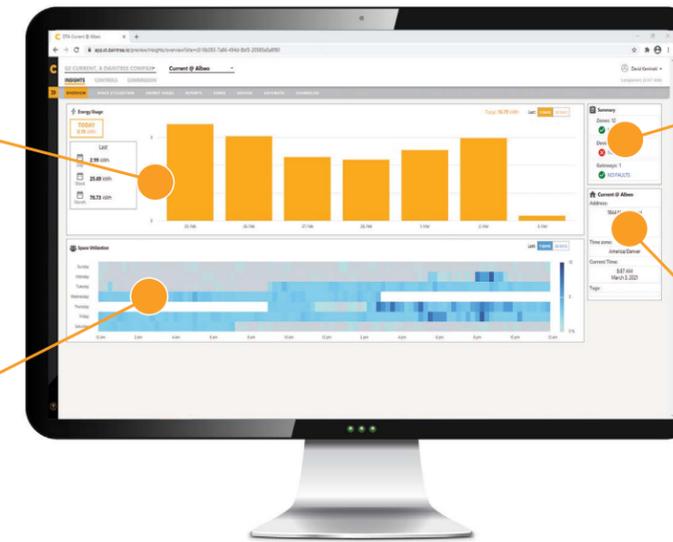


Daintree® Controls Software (DCS) provides a graphical, easy to understand User Interface (UI) to manage your building and understand energy usage. The system allows real-time monitoring of a specific zone or floor within a building, the entire building or an entire network of branch locations from the interface.



Real-time actionable data analytics

Maximize building performance with advanced scheduling



Easy to understand graphical interface

Provides secure reporting & scheduling for entire building networks



The Wireless Occupancy Sensor (WHS100) is a linepowered control/sensor device within the **Daintree® Networked** platform. It enables wireless control of individual luminaires and with an integrated motion sensor, provides a one-box solution for cost-effective occupancy based control designed for outdoor lighting applications.



To learn more about **Daintree® Controls Software**, contact your sales rep or go to LED.com

Visionary lighting leadership that improves your bottom line.

Current is here with reliable outdoor LED fixtures for virtually any application; our vision is to anticipate your specific needs in a multitude of challenging situations. With the most extensive testing protocols in the industry we provide a degree of assurance unsurpassed by any competitor. For greater energy efficiency, light output and light quality in outdoor fixtures of any type, the choice is clear. Save time, money and maintenance hassles, visit [LED.com](https://www.led.com) today and find out more.

Current

Current - GLI Brands

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Beachwood, OH 44122

LED.com

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