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Enabled Luminaires
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Software & Controls
Hubbell Control Solutions’ wiSCAPE system delivers intelligent controls, intuitive user interfaces and scalable wireless technology that enables a highly configurable, enterprise software solution with analytics.

Infrastructure
The wiSCAPE system provides a fully integrated system of control modules, gateways and enterprise servers that are designed to meet energy codes and reliability standards.

Monitor, Manage and Measure Outdoor Lighting Wirelessly
Hubbell Control Solutions’ wiSCAPE® wireless outdoor lighting management platform provides insight into the operation of entire sites. Whether used for an office parking lot, a university campus, an airport parking structure, or an entire city, wiSCAPE has the software and hardware solutions needed to monitor, manage and measure the success of the project.

Table of Contents
4 The Value of wiSCAPE
6 Scalable System Software
8 Application Solutions
10 Platform Architecture
13 The Connected Ecosystem
14 Support & Peace of Mind
Keeping outdoor areas safe is paramount to communities. Well-designed and well-maintained luminaires are costly and important assets for any outdoor or public installation. Without maintenance, lighting can become a liability. In the past, expensive labor and equipment were needed to ensure safety, beyond just energy costs. Using the Manage, Monitor and Measure concepts, the wiSCAPE® wireless outdoor lighting control system builds on the energy and maintenance savings of an LED lighting installation by reducing money wasted on “lights out” calls, maintenance crew sweeps, as well as control strategies that exceed today’s code requirements.

Safety First
Keeping outdoor areas safe is paramount to communities. Well-designed and well-maintained luminaires are costly and important assets for any outdoor or public installation. Without maintenance, lighting can become a liability. In the past, expensive labor and equipment were needed to ensure safety, beyond just energy costs. Using the Manage, Monitor and Measure concepts, the wiSCAPE® wireless outdoor lighting control system builds on the energy and maintenance savings of an LED lighting installation by reducing money wasted on “lights out” calls, maintenance crew sweeps, as well as control strategies that exceed today’s code requirements.

Versatile Operation with Peace of Mind
wiSCAPE’s enterprise software suite offers real-time asset management using customizable maps and dashboard-driven pages, to get immediate visual confirmation of safe operation status, energy savings, and peak efficiency.

Invaluable Insights
Data generated by wiSCAPE’s advanced energy management tools, utility-grade metering and 24/7 diagnostic reporting with configurable alert notifications, can be used to improve the bottom line by managing key lighting control strategies.

Unparalleled Scalability and Flexibility
wiSCAPE provides the ability to monitor, manage, and meter a vast number of lighting assets creating an optimized, resilient lighting infrastructure.

Open Connectivity
wiSCAPE uses a highly secure wireless network to ensure critical data is locked down. The software can be reliably integrated with 3rd party systems to combine technologies when needed.

wiSCAPE’s Core Capabilities

Manage
Setup and code compliance are simple using the wiSCAPE software suite. Lights with wireless nodes are placed on maps or site plans and configured to meet code.

Monitor
No more calls about a luminaire being out – you know it first. The wiSCAPE system provides 24/7 monitoring of each luminaire with alarm notifications via SMS or email.

Measure
Commercial-grade metering enables you to determine just how much energy is being consumed by individual luminaires, sites or an entire city.
SCHEDULING/TIMECLOCK

Astronomical Timeclock
Controls light levels based on sunrise/sunset and project location

CONTINUOUS DAYLIGHTING
Daylight OFF
Automatically turns the lights off based on the amount of daylight

BMS Integration
The data exchange for control and monitoring from a facilities Building Management System or Energy Management System using a common protocol such as BACnet®

Setback
Automatically turns lights down to a reduced level after all occupants leave the area

Demand Response
A defined temporary reduction of lighting load or load shedding in response to a request from an energy authority such as a utility or regional transmission operator

BMS Integration
The data exchange for control and monitoring from a facilities Building Management System or Energy Management System using a common protocol such as BACnet®

wiSCAPE® Express and Enterprise Software
Managing site lighting operations is easier with the wiSCAPE Express and Enterprise lighting control and management software. Using map, satellite or imported site plans, users can gather crucial operating status and energy usage data. Projects of any size can be configured and managed using the wiSCAPE Express software. Large and multi-site properties will also benefit from the comprehensive reporting and energy dashboard tool in the wiSCAPE Enterprise suite.

wiSCAPE Software Capabilities
wiSCAPE software efficiently meets stringent energy codes and improves safety and performance over time. Using visual tools, including site maps, icons, and navigation tools, wiSCAPE can remotely and securely manage multiple sites from anywhere. The hardware at each light is minimal, and uses industry-standard plug modules and rugged gateways.

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<thead>
<tr>
<th>ENERGY CODES</th>
<th>wiSCAPE SOLUTIONS</th>
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<tbody>
<tr>
<td>OUTDOOR</td>
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<td>Astronomical Timeclock</td>
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<td>Setback</td>
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<tr>
<td>Daylight OFF</td>
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The wiSCAPE platform offers lighting control solutions for virtually any outdoor application. From parking lots to smart cities, wiSCAPE’s proven robustness and scalability provides cost-effective and flexible solutions that meet application requirements and energy codes, maximizes energy savings and simplifies outdoor lighting operations.

wiSCAPE® Delivers Solutions for Any Outdoor Application

- Astronomical time-clock scheduling
- Scheduled-based dimming with motion control
- Supports high/low trim settings

Parking Lot
- Large scale, multi-site management with dashboard analytics
- Commercial grade energy metering
- Automatic generation of energy usage reports

Parking Deck
- Motion sensor controlled zones/levels
- Photocell control of perimeter zones
- Entry adaptation zone lighting control

Smart City Lighting
- Supports very large scale networks
- Provides integration of other device types - water & sewer meters, gun shot detectors, etc.
- Supports and responds to external signals (e.g. Demand Response)

Roadway Lighting
- Automatic notification of luminaire issues (e.g. Day burners, outages)
- Astronomical time-clock scheduling
- Fallsafe internal photocell control

Outdoor Area Lighting
- Motion sensor controlled zones/levels
- Photocell control of perimeter zones
- Entry adaptation zone lighting control
Take Control of the Outdoors, Enhance Safety and Improve Operational Efficiencies

wiSCAPE™ provides a seamless, code compliant lighting control solution using wireless technology. Wireless modules control the luminaires and communicate over the air to a wiSCAPE Gateway. The wiSCAPE Gateways monitor the health of the modules and retrieve metering information. The wiSCAPE Enterprise Server retrieves information from the Gateways over a standard Ethernet/Cellular network and presents that information in a customized dashboard.

wiSCAPE Enterprise Management

Cloud/ Premise Enterprise Servers

LAN/WAN

Gateway

Wireless Smart Relays

Diagram Key

wiSCAPE Wireless

Passive Infrared Sensor

Wireless In-Fixture Controls - Parking Lot

Wireless In-Fixture Controls - Parking Deck

Wireless In-Fixture Controls - Roadway

Wireless In-Fixture Controls - Campus

Viper

AIRO

Orbeon
wiSCAPE Modules and Gateways

**External Fixture Module**
- On/Off control with full-range dimming
- Compliant with ANSI C136-41 (7 & 5 pin) twist-lock receptacles
- Internal photocell for out of the box operation

**Internal Fixture Module**
- On/Off control with full-range dimming
- 3 Digital inputs for motion sensors, photocells, and low voltage switches
- 2 Dry contact outputs for driving external contractors

**Gateway3**
- Autonomously manages up to 1000 modules
- Astronomical & fixed time scheduling
- Supports network connectivity via Ethernet connection or optional cell modem.

**wiSCAPE Software Suite**

- **wiSCAPE Express**
  - Intuitive and easy to use Windows® based GUI application for managing devices, device groups, scenarios and schedules on a wiSCAPE Gateway.
  - Displays device status in real-time on geographical maps or plan layouts. Using wiSCAPE Express, you are able to remotely access any wiSCAPE Gateway on your network.

- **wiSCAPE Enterprise**
  - A powerful server solution that can handle a vast, city-wide network of nodes.
  - Enterprise conveniently combines the information from multiple gateways to provide network-wide data analytics on energy usage and system activity.
  - The wiSCAPE Enterprise Server software features an easy-to-use, web browser-based GUI interface with a customizable dashboard, and the server software can be installed on premise or made available as a hosted Software as a Service (SaaS) solution.

**Features**

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<thead>
<tr>
<th>Feature</th>
<th>wiSCAPE Express</th>
<th>wiSCAPE Enterprise</th>
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<tbody>
<tr>
<td>Devices, Device Groups, Scenarios/Presets</td>
<td>✔</td>
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<tr>
<td>Schedules (Astronomical &amp; Time-based)</td>
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<tr>
<td>Windows® based GUI Application</td>
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<tr>
<td>Web Browser based GUI Application</td>
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<tr>
<td>Customizable Security Roles, Users and Rules</td>
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<tr>
<td>Real-Time Status of Devices on Maps/Plans</td>
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<tr>
<td>Customizable Dashboard with Multi-Site Status</td>
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<tr>
<td>24/7 Alarm Notifications via SMS &amp; Email</td>
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<tr>
<td>Commercial-grade Device Metering</td>
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<tr>
<td>Customizable Energy Reports with Graphs</td>
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wiSCAPE®-enabled luminaires provide you the breadth and flexibility to address all your project requirements today and in the future. For a complete list of luminaires with integrated wiSCAPE options please visit www.hubbellcontrolsolutions.com

HUBBELLCONTROLSOLUTIONS.COM
Comprehensive Support Options to Meet Project Needs

Phone and Online Support
While it is our goal to provide you with intelligent, simple and scalable control solutions, customer experience level and project complexity may necessitate additional support during the design development, construction and post-occupancy phases of a project.

The Hubbell Control Solutions support team is available for consultation to evaluate multiple control scenarios to identify the ideal lighting control device or system to meet energy code requirement and customer criteria. Additionally, our team of friendly and experienced professionals is enabled to assist on-site personnel, such as installation contractors, third party integrators, certified field technicians and facilities personnel, to quickly resolve issues and provide additional support.

Design Service
Our team of lighting control system design professionals are available to provide sensor layouts, networked system design services and third party integration support for new and retrofit projects. Our goal is to provide you with on-time and accurate delivery of design deliverables optimized for your specific application, compliant with local building codes and project specifications.

On-site Support
Hubbell Control Solutions offers on-site support service to ensure your project goes smoothly. While Hubbell Control Solutions products are designed with simplicity in mind, some projects may benefit from a Certified Field Technician to perform an on-site pre-installation walk-through, after-hours and remote startup assistance, occupant training, sensor tuning, preset programming and other pre/post-occupancy services.

Warranty
Hubbell Lighting provides a 5-year limited warranty for LED luminaires and Hubbell Control Solutions devices.

Technical Service Center:
(800) 888-8006