



## Commercial Developer Lighting Solutions



ACCENT CANOPY AREA/SITE WALKWAY FLOODLIGHTING WALL CONTROLS



# Commercial Developer Lighting Applications

Hubbell Lighting is your single source for interior and exterior luminaires for every stage of commercial development including major regional malls, small strip centers, new construction and major renovation. We offer an extensive selection of energy-efficient luminaires for the most discriminating architect to the value-driven contractor. Our luminaire selections include: multifunctional fixtures for area/site, wallpacks, floodlighting, perimeter lighting, ceiling/canopy and accent fixtures for feature and display. All Hubbell products are built with quality and performance as the number one priority as well as providing attractive daytime appearance with superior nighttime performance. Additionally, our lighting professionals can assist with the layout of the luminaires and provide a complete lighting analysis of the space to ensure the best presentation.

## Customer Parking

Lighting makes your facility more inviting and a well lit parking area provides overall customer and employee safety. Traditional, contemporary and period style luminaires in a variety of sizes as well as matching poles are available. (See pages 4 & 5)

## Shopping Centers

From large mall properties to mid-size and strip-mall plaza's, Hubbell Lighting offers complete lighting solutions from contemporary to period style luminaires. (See pages 4-7)



## Large Retail – Big-box, Grocery, Supercenter Chains

### Entrance/Vestibule

An inviting entrance for customers requires accent and highlight lighting. Bollards, low level floods, landscape and wallpacks complete the package and are available in matching styles and finishes. (See pages 6 & 7)

### Accent Lighting

Accent lighting for signs, flag poles, architectural features or landscaping includes floodlights or ingrade luminaires. These fixtures bring a cohesive look to the property. A variety of light source choices are available including energy saving LED. (See pages 6 & 7)

## Commercial Retail/Shopping Plazas



## Commercial/Mixed Retail



### Complete Solutions

A consistent and coordinated look to all the fixtures on the project maintains architectural integrity. Energy-efficient LED and traditional HID systems are available from area/site, wallpacks, canopy to bollards. (See pages 4-7)



# Lighting Solutions



Windsor LED – Beacon Products  
Palm Beach, FL

## Site Lighting **LED** | Maximum energy savings, long life, and best light level uniformity



### Windsor LED

- The Windsor provides classical styling with updated LED technology for scale and performance in pedestrian or parking areas.
- Available in 2 sizes, 4 different LED wattages and 6 optical distributions.



### Viper LED

- Available in two sizes with a wide choice of LED wattage configurations and optical distributions
- Designed to replace HID lighting up to 1000W MH or HPS, 5 different mounting options for new and existing installations



### Urban LED

- Decorative LED luminaire is designed for area lighting, the Urban is your ultimate solution
- 4 styles, 2 different shades, 4 LED wattages, and 6 full cutoff lighting distributions, make the Urban an ideal solution for energy efficient, for parking areas and walkways



### Warp 9 LED

- WARP9 LED was designed to disappear from the site, camouflage itself all with an eye to let the architecture shine through. The definition of a modern, energy-efficient, truly sustainable LED lighting solution. Available in 2 sizes, HID to LED upgrades are available.



### Altitude Small LED

- Kim Lighting's ALTITUDE is the next revolution in LED outdoor lighting. The ultimate in luminaire design innovation by balancing form, engineering and superior optics. ALTITUDE is proportionally scalable with six sizes capable of pedestrian/site/roadway environments.



### Flex LED

- Multiple arm designs and mounting options, including single, twin, tri shape and quad, form a versatile "create it yourself" look
- Design innovation – die cast aluminum housing and reflector module is sealed with a one-piece memory silicone gasket seal, tool less access

## HID Solutions – Vertical Lamp | Improved light level uniformity and increased pole spacing



### MSV M-Pulsive™

- Square, one-piece formed aluminum housing is completely sealed, flat and convex glass available; up to 1000w systems.



### Alaire

- Architectural, one-piece, die-cast aluminum housing; Contour lines and radius corners complete unique design; Heat dissipating fins on top; flat or convex glass, up to 1000w systems.



### Medallion

- Architectural, one-piece die-cast aluminum, housing die-cast aluminum door hinges to housing and secures with two, captive screws; Clear, flat or convex, tempered glass lens; up to 1000w systems.

## HID Solutions – Horizontal Lamp | Higher light levels and compact/lower profile design



### Dallas

- Round spun aluminum housing featuring an embossed decorative band. Optional color vinyl trim stripe available; up to 1000w systems



### Archetype

- The eclectic shape of The Archetype LED readily adapts to and complements contemporary architectural design. Upgradable with HID to LED kits allows a broad range of applications.



### Structural

- Kim Lighting's elegant form of Structural LED is an orchestrated combination of simple shapes in a dynamic architectural luminaire. Optional structural elements and HID to LED Upgrade Kits are available.

## Site Lighting **LED**



### Cimarron LED CL1 & CL1S

- Traditional luminaire styling with unique vertically finned die-cast housing
- Energy saving 39w-336w; DLC approved
- Two sizes – CL1 for large parking areas, CL1S for pedestrian scale applications



### Altitude Large LED

- Altitude Large received IES Progress Report Selection recognized for having one of the highest lumen packages in an area light, 40,000+ lumens. Altitude is the luminaire maximizes power, performance and versatility with patented PicoPrism optics.



### Providence LED

- Combination of modern lighting performance with aesthetics in traditional forms
- Optical LED system feature indirect (no glare) illumination
- Full cut-off for dark sky applications



# Lighting Solutions



LED Canopy – Beacon Products  
Spokane, WA

## Perimeter Lighting



### Traverse

- Energy-efficient contemporary lightweight design
- Replaces up to 400w HID
- DLC and NEEP listed



### Aurora

- Extruded aluminum design
- Thermal protection ensures long-life
- 6 light distributions



### Alpha LED

- Versatile mounting options
- 6 NEMA beam spread options
- Precision adjustable luminaire for maximum performance



### Axial Floods

- Two luminaire sizes — 200W to 1000W
- Six Distinct Optical Configurations
- Unlimited Mounting Options

## Floodlighting



### Oculus®

- Large, small & nano sizes
- LED and HID
- Field adjustable beam pattern



### M-LED

- 2 LED packages
- LED, yoke mount
- Narrow, medium & wide beam



### ALF-LED

- Low profile
- 12 and 24 LED models
- Wall and flood knuckle mount versatility



### Laramie Floods

- Knuckle/ yoke mount
- LED, HID & CFL
- Narrow, medium & wide beam



ALF-12 – Hubbell Outdoor Lighting  
Lexington, KY



LNC-9L – Hubbell Outdoor Lighting  
Wernersville, PA

## Ceiling / Canopy Lighting



### PGL7

- LED system
- Versatile mounting options, surface/pendant
- 7 light distributions



### Sedona SCP

- LED system
- Versatile mounting options
- Multiple light distributions and LED configurations



### Endura

- LED system
- "Drive Lane Optics" with 6 lighting distributions
- Easy to install



### UCL/UCT/UC-SM

- Modular system
- HID
- Durable cast aluminum housing with glass diffuser

## Perimeter Lighting



### Wall Director

- Architectural design
- LED, HID, HPS & CFL
- 5 distributions, up down mounting



### Laredo Series

- 5 Architectural designs
- LED, HID, HPS & CFL
- Multiple distributions and lumen packages



### PGL-PVL

- Polycarbonate or Glass
- LED, HID, HPS & CFL
- Proven design, vandal resistant



### Architectural Wallpacks

- 4 Architectural designs
- LED, HID & CFL
- Multiple distributions and lumen packages

## Ingrade / Walkway



### Lightvault®

- LED system
- Narrow, Spot & Flood
- Durable glass & composite construction



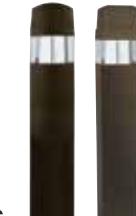
### Parkway Square

- LED, Induction, HID, CFL, HPS
- Multiple distributions
- Unique sophisticated style



### Bounce

- LED, HID, CFL, HPS
- Multiple distributions
- Durable die-cast construction



### Tempe

- LED, HID, CFL, HPS
- Multiple distributions
- Durable die-cast construction



### Concrete

- LED, HID
- Multiple distributions
- Durable concrete construction

For full product line please visit the brand websites below







**Additional SAVINGS & Control**

The wiHUBB® control systems from HBA (Hubbell Building Automation) allow programmable control of site/parking luminaires, facility signs, ingrade and wall packs for maximum energy savings. In-Fixture Modules feature full-range dimming capabilities into LED luminaires from Hubbell Lighting outdoor brands (AAL, Beacon, KIM Lighting, Hubbell Outdoor & Spaulding Lighting). Additionally, wiHUBB Smart Pack and Preset Switch can be included for manual override control further maximizing savings.

## wiHUBB® Controls Features and Benefits

### Energy Savings

- Fixture scheduling for On/Off and dimmed levels of illumination

### Lower installation costs

- No rewiring or trenching on retrofit applications
- Factory installed wireless modules
- No additional wiring

### Capabilities

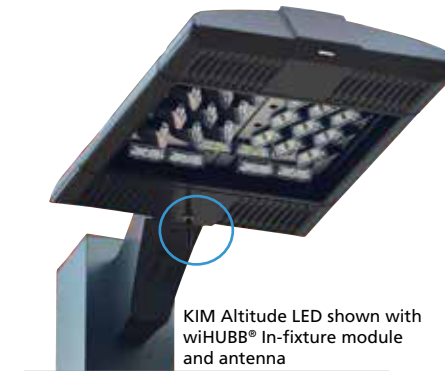
- Programmable control of site luminaires
- wiHUBB devices communicate utilizing the most advanced radio RF technology
- Expandable/scalable system grows as your facility and lighting needs grow



## wiHUBB® – Complete Control of Fixtures for Maximum Energy Savings

The wiHUBB® system is flexible allowing site owner/manager to group fixtures by area for maximum energy savings and control. Below example of grouping and scheduling luminaires for commercial site.

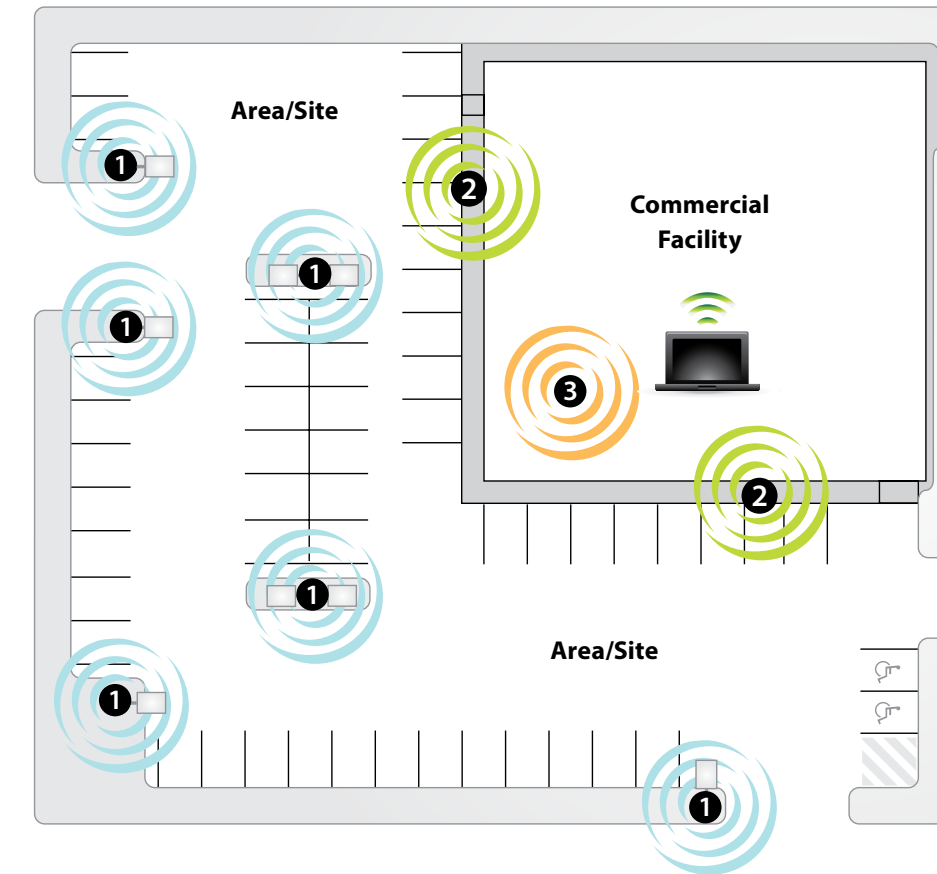
Fixtures – Location	Scheduled Time	S	M	T	W	R	F	S	Holiday
Parking/Wallpacks/Signs	ON 30 minutes Before Sunset	-	✓	✓	✓	✓	✓	-	-
Parking/Wallpacks/Signs	ON 15 minutes Before Sunset	✓	-	-	-	-	-	✓	✓
Parking	Dim Reduction 8:00 p.m.	✓	✓	✓	✓	✓	✓	✓	✓
Parking	Dim Reduction 9:30 p.m.	✓	✓	✓	✓	✓	✓	✓	✓
Parking	ON at 70% 5:00 a.m.	-	✓	✓	✓	✓	✓	-	-
All Fixtures	All OFF 15m After Sunrise	✓	✓	✓	✓	✓	✓	✓	✓



KIM Altitude LED shown with wiHUBB® In-fixture module and antenna



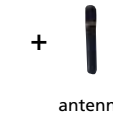
Spaulding Cimarron LED CL15 shown with wiHUBB® In-fixture module and antenna



1



In-fixture module



antenna

### wiHUBB® In-fixture Module with Antenna

- Factory installed in-fixture
- Includes small antenna
- On/Off and full range dimming control
- 0-10VDC interface for full range dimming control of dimmable ballasts and LED drivers

2



### wiHUBB® Smart Pack and wiHUBB® Preset Switch

- Self-contained intelligent power pack with wireless control capabilities
- Simple one or two circuit wireless relays for independent circuit On/Off control
- Optional 0-10VDC output for full range dimming control of dimmable ballasts and LED drivers
- Included SmartPORT plug and play support for interface of wiHUBB Preset Switch

3



### wiHUBB® Access Point

- wiHUBB lets you control, configure and reconfigure individual devices or groups of devices over-the-air with the click of a mouse
- Integrated web server provides connection via standard web browsers
- Web based commissioning and monitoring of the wiHUBB network
- Easy system access from local network or Internet
- Safe and secure FCC certified system with AES-128 security encryption

For additional information about wiHUBB and Hubbell Building Automation please visit: [www.hubbell-automation.com](http://www.hubbell-automation.com)







Hubbell Lighting brands offer the most comprehensive site luminaire styles and poles for the unique lighting needs of commercial lighting applications. Models include both traditional HID luminaires in horizontal and vertical lamp orientations in a variety of shapes and sizes as well as the latest LED innovations.

## Traditional HID Luminaires

Traditional HID area/site lighting sources incorporate luminaires with a reflector system that delivers industry leading performance, illumination and uniformity for light exactly where it's needed.

- Typically higher light levels
- Lower initial cost
- Broad offering of luminaire designs
- Optic assembly flexibility

## IESNA Recommended Values

It is also important to consider current IESNA recommended RP20 guidelines for designing fixed lighting for parking facilities. IESNA recommendations only apply to the design of new lighting systems for parking facilities. The lighting recommendations are for the reasonably safe movement of vehicular and pedestrian traffic in parking facilities. These values should be considered a minimum guideline, which are subject to changes based on sound engineering judgment. Considerations on illuminance requirements of a parking facility are affected by layout, operation, and vehicular traffic safety issues, plus the visibility and security needs of pedestrians walking to or from their vehicles. More commonly, parking lots are illuminated to higher levels for safety and security reasons.

IESNA RP 20 recommended maintained illuminance values for parking lots	Basic	Enhanced
Minimum horizontal illuminance	0.2 fc	0.5 fc
Uniformity ratio, (max/min)	20:1	15:1

The table above is referenced from Commercial Building Energy Alliance Site Lighting Performance Specification for Exterior Parking Lots.

	Minimum Horizontal	Uniformity
	Illuminance	Maximum: Minimum
<b>Lighting Zone 0</b> Wilderness areas, parks and preserves, and undeveloped rural areas	N/A	N/A
<b>Lighting Zone 1</b> Rural and low density residential areas	N/A	N/A
<b>Lighting Zone 2</b> Light commercial business districts and high density or mixed use residential districts	0.50 fc	10:1
<b>Lighting Zone 3</b> Large cities' business districts	0.75 fc	10:1
<b>Lighting Zone 4</b> High intensity business or industrial zone districts	1.00 fc	10:1

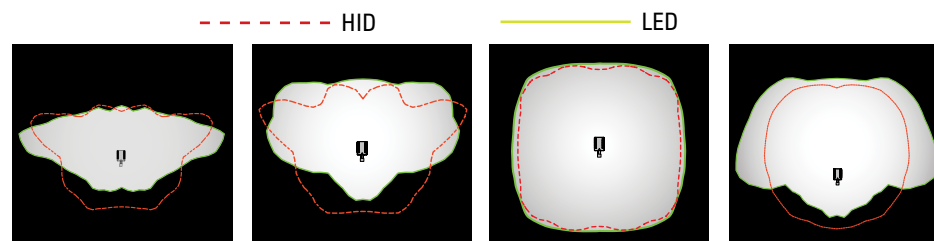
## Solid State Lighting – LED Design & Performance

Our LED luminaires are designed with industry leading optical lenses and systems to distribute light where it is specifically needed for area/site, floodlighting, wall, pedestrian, parking structure and landscape applications.

## LED Luminaire Advantages

By utilizing precise LED optical design and directional lens placement to maximize light delivery to the task, LED luminaires deliver many advantages over traditional lighting sources:

- Energy-efficiency – lower operating costs
- Superior light level uniformity – improved visual acuity
- Improved pole and fixture spacing reduces installation costs
- Long source life – reduces maintenance costs
- Virtually maintenance free
- Enhanced control options for increased energy savings and customized lighting



HID SYSTEM	HID WATTAGE	HID LIFE HOURS <sup>1</sup>	LED WATTAGE <sup>2</sup>	LED LIFE HOURS <sup>3</sup>	SAVINGS
150w PSMH	185	15,000	70	60,000	63%
250w PSMH	283	15,000	140	60,000	51%
320w PSMH	361	20,000	210	60,000	42%
400w PSMH	459	20,000	210	60,000	54%
100w HPS	130	24,000	70	60,000	47%
250w HPS	295	24,000	140	60,000	53%
400w HPS	464	24,000	210	60,000	55%

NOTE: 1 Hours of life based on 50% mortality.  
2 Actual wattage should be confirmed with site specific lighting calculations.  
3 LED hours of life based on 70% of initial illumination.

\*Higher lumen fixtures can reduce number of fixtures on pole assemblies.  
Note: LED Source chart and system watts/lumens based on recent LED installations and client feedback. Consult your Hubbell Lighting Representative for more information.



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WHITEWAY

