Auto Dealership Outdoor Lighting Applications

The appearance of a dealer’s product is as important as the service they provide. Evaluating a new site for a dealership in the early stages of design will ensure the lighting layout highlights the beauty of the automobiles. Each area of a site has a different flow of traffic whether it’s the customers, cars or a combination of both. Having the right lighting option in the right location will make the area warm, safe and inviting. Because of this, 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. The modern car dealership has evolved and so has lighting it. Hubbell Lighting fixtures provide the best solution for every area of the dealership. From the reception area to the vehicle highlight, Hubbell Lighting has the fixtures to put your dealership “in the best light.”

Customer Parking

Lighting is inviting to customers, adding to safety while keeping them comfortable during their shopping experience. A full-line of luminaires in a variety of sizes and shapes as well as matching poles are available.

Service Area

A well lit exterior service area provides overall customer and employee safety for your business. Wallpacks in variety of sizes and distributions are available to meet your needs.

Customer Vehicle Delivery/Inspection

The purchase is complete with a well lit area for the customer to drive away in their new car. Outdoor canopy lighting, recessed and surface-mount models are available in matching styles. Additionally, wallpacks and accent lighting completes the package.

Vehicle Highlight

Featured display of vehicles require different applications of light. Choose from flood, ingrade and landscape lighting to highlight these areas.

Vehicle Inventory – Front Row

Choose from the most complete line of luminaires and poles designed to perform for dealership lighting. Architectural die-cast, spun aluminum and formed shapes are available to satisfy any design requirement. Energy-efficient LED and traditional HID systems available with choice of round or square poles in steel or aluminum.

Vehicle Inventory – Interior Rows

Matching luminaires to highlight the new car inventory. Energy-efficient LED and traditional sources are available to customize the dealership layout with light levels to highlight inventory properly.

Outdoor Reception Area

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.

Signage & Flags

Accent lighting for dealerships includes: signs, flag poles, ingrade and floodlighting. These fixtures bring a cohesive look to the dealership. A variety of light source choices are available including energy saving LED.

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Cimarron LED
- Traditional luminaire styling with unique vertically finned die-cast housing that optimizes heat transfer to keep the fixture cool and maximize component life, energy saving 210w-336w. DLC approved.

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

Providence LED
- Combination of modern lighting performance with aesthetics in traditional forms
- Optical systems include vertical, horizontal reflectors, and indirect version
- Full cutoff for dark sky applications

Warp LED
- WARP® 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 reflector module is sealed with a one-piece memory silicone gasket seal, tool less access

HID Solutions – Vertical Lamp

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

Miserey
- 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, 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

Aorie
- The eclectic shape of The Archetype LED readily adapts to and complements contemporary architectural design. Upgradeable 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.
Lighting Solutions

Floodlighting

Axial Floods
- Two Luminaire Configurations
  - 175W and 1000W
- Six Distance Optical Configurations
- Unlimited Mounting Options
- Field adjustable beam pattern

Oculus®
- Large, small & narrow sizes
- LED and HID
- Proven design, vandal resistant

M-LED
- Yoke mount
- LED
- Narrow, medium & wide beam

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

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

Perimeter Lighting

Wall Director
- Architectural design
- LED, HID, HPS & FL
- 5 distributions, up down mounting

Laredo Series
- Architectural designs
- LED, HID, HPS & CFL
- Multiple distributions and Lumen packages

PGL-PVL
- Polycarbonate or Glass
- LED, HID, HPS & CFL
- Durable cast aluminum housing with acrylic diffuser

Architectural Wallpacks
- Architectural designs
- LED, HID & CFL
- Multiple distributions and Lumen packages

Ceiling / Canopy Lighting

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

PGL7
- LED system
- Versatile mounting options, surface/pendant
- 7 light distributions

GFO/GFP
- Two sizes 10" and 14"
- Induction, HID & CFL
- Durable cast aluminum housing with acrylic diffuser

UCL/UCT/UC-SM
- Modular system
- HID
- Durable cast aluminum housing with glass diffuser

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
- Durable die-cast construction

Tempe
- LED, HID, CFL, HPS
- Durable die-cast construction

Concrete
- LED, HID
- Multiple distributions
- Durable concrete construction

New Installation – Site/ Ingrade/ Perimeter – Spaulding/KIM/AAL
Eisenhauer Nissan – Wernersville, PA

For full product line please visit the brand websites below
Eisenhauer Nissan auto dealership located in Sinking Springs, PA calculated 47% energy savings in lighting over normal operation scenario. The dealership incorporated wiHUBB® In-Fixture Modules with full-range dimming capabilities into 42 LED luminaires from Hubbell Lighting outdoor brands (KIM Lighting, Hubbell Outdoor & Spaulding Lighting). The wiHUBB® system allowed programmable control of the dealership site/parking luminaires, facility signs, ingrade and wall packs for maximum energy savings. Additionally, wiHUBB Smart Pack and Preset Switch were included for manual override control.

**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**

Eisenhauer Nissan utilized the wiHUBB® system and grouped fixtures by area to fit their dealership's needs. Below is an example of grouping and scheduling implemented at their auto dealership.

<table>
<thead>
<tr>
<th>Fixtures – Location</th>
<th>Scheduled Time</th>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>R</th>
<th>F</th>
<th>S</th>
<th>Holiday</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parking/Wallpacks/Signs</td>
<td>On 30 minutes Before Sunset</td>
<td></td>
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<tr>
<td></td>
<td>On 15 minutes Before Sunset</td>
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<tr>
<td>Parking</td>
<td>Dim Reduction 8:00 p.m.</td>
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</tr>
<tr>
<td>Parking</td>
<td>Dim Reduction 9:00 p.m.</td>
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<tr>
<td>Parking</td>
<td>On at 70% 5:00 a.m.</td>
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<td></td>
</tr>
<tr>
<td>All Fixtures</td>
<td>Off at Night Service</td>
<td></td>
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</tbody>
</table>

**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

**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

**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
Traditional HID Luminaires

Traditional HID dealership lighting sources incorporate luminaires with a reflector system that drives light down on the front of cars in the front row, yet has a main beam that delivers light at 60° below horizontal which will light up the front of cars in the second row.

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

Hubbell Lighting brands offer the most comprehensive site luminaire styles and poles for the unique lighting needs of automotive dealerships. 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. Whatever the lighting source, Hubbell Lighting has luminaires to showcase your vehicles for the greatest sales potential.

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 Luminaires Advantages

- 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

Hubbell Lighting has luminaires to showcase your vehicles for the greatest sales potential.

LED Source Recommended Values

<table>
<thead>
<tr>
<th>Source</th>
<th>High Competition</th>
<th>Medium Competition</th>
<th>Low Competition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pole Height</td>
<td>Pole Spacing</td>
<td>Fixture Needed</td>
<td>Foot Candles</td>
</tr>
<tr>
<td>Front Row</td>
<td>30'-35' on centers</td>
<td>Twin or Triple 1000w MH</td>
<td>100+ FC</td>
</tr>
<tr>
<td>Interior Row</td>
<td>20'-25' on 6&quot; base</td>
<td>Twin or Quad 27,000 Lumen LED</td>
<td>40-50 FC</td>
</tr>
<tr>
<td>Vehicle Inventory</td>
<td>30'-35' on 6&quot; base</td>
<td>Twin or Quad 27,000 Lumen LED</td>
<td>25-50 FC</td>
</tr>
</tbody>
</table>

Note: LED Source chart and system watts/lumens based on recent LED installations and client feedback. Consult your Hubbell Lighting Representative for more information.

*Higher Lumen Fixtures can reduce number of Fixtures on pole assemblies.

LED System Watts Lumens

- Front Row: 125-150w 40,000
- 150-175w 51,000
- 205-225w 65,000
- 205-245w 31,000
- 245-345w 42,000

**LED Source Recommended Values**

<table>
<thead>
<tr>
<th>SBL – LED Source</th>
<th>High Competition</th>
<th>Medium Competition</th>
<th>Low Competition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pole Height</td>
<td>Pole Spacing</td>
<td>Fixture Needed*</td>
<td>Foot Candles</td>
</tr>
<tr>
<td>Front Row</td>
<td>30'-35' on 6&quot; base</td>
<td>Twin or Quad 27,000 Lumen LED</td>
<td>40-50 FC</td>
</tr>
<tr>
<td>Interior Row</td>
<td>45'-60' on 6&quot; base</td>
<td>Eight or Quad 10,000 Lumen LED</td>
<td>15-20 FC</td>
</tr>
<tr>
<td>Vehicle Inventory</td>
<td>150'-160' on 6&quot; base</td>
<td>Twelve or Quad 10,000 Lumen LED</td>
<td>2-4 FC</td>
</tr>
</tbody>
</table>

*Higher Lumen Fixtures can reduce number of Fixtures on pole assemblies.