Superior Energy Savings - Where Form Meets Function
Forged with industry-leading universal functionality, the Quadcast LED Parking and Canopy Luminaire delivers energy-efficient optical control in a compact, low-profile rugged form with easy installation features. The patent pending innovative design incorporates an alliance of fully adjustable optical light panels, delivering unparalleled energy savings while seamlessly integrating into existing or new spaces, including parking garage, canopy, stairwell or low-bay installations.

Flexible and Efficient Performance
The industry’s first fully adjustable and optimized 4000K CCT LED locking optical light panels are the framework for the Quadcast luminaire’s high performance, low maintenance, efficient system that minimizes operating cost while maximizing pedestrian and vehicular safety. The four high-performance, energy-efficient, silicone sealed LED optical panels rotate 150°, allowing for precise aiming and control to meet horizontal and vertical footcandle illumination requirements. Providing up to 80% energy and maintenance savings compared to traditional HID products, the super-efficient 56W Quadcast LED Parking and Canopy Luminaire delivers a powerful output of 4365 delivered lumens.

Universal Functionality

Installer-Friendly Features and Low Cost of Ownership
The easy-to-install, quick-mount plate in the Quadcast luminaire is designed with built-in, tool-less lever action release tabs, ensuring a secure installation. The universal quick-mount plate adapts to industry standard wet location junction boxes and the free-swing wire hanger bracket system allows for straightforward electrical connectivity and wire-way inspection. Accessibility to the LED driver is made easy with the interface hinged and removable steel door and integral captive hardware. Backed by a five-year warranty, UL listed for wet location and IP66 rated, the Quadcast luminaire meets high security hose-down application ratings while providing superior performance.
Universal functionality, energy-efficient optical control, easy installation and the low-profile design prove that the Quadcast LED Parking and Canopy Luminaire is the best choice for parking garage, stairwell, low-bay and canopy illumination.
**Design Performance Features**

**Construction**
- Slim, low-profile design extends 3-1/2" from junction box.
- Heavy-duty steel, two-piece enclosure. Hinged removable door with cross-hatch design pattern secured with magnetic-tipped, stainless-steel captive hardware.
- Universal, galvanized steel quick mount plate, with built-in click and lock tab release features, mounts to standard one-gang, two-gang and 4" round wet location junction boxes.
- Four light panels constructed of anodized extruded aluminum with integral heat-sink fins and IP66 rated light panel optical assembly.
- Water-resistant gasket seals out contaminants.
- Four water- and oil-resistant wet location rated cords and sturdy 1" cord glands provide connectivity from the optical panels to the LED driver.
- 3G vibration rated.
- UL listed for wet location. IP66 rated.

**Optical**
- Four silicone-sealed LED optical panels are impact-resistant and UV stable.
- 150° adjustable rotation, optical panels lock in place with 9/64" stainless steel Allen® hardware. Optical panels adjust in 15° increments for precise control.
- LED optical panels are isolated from the driver compartment allowing for both conductive and natural convection heat transfer away from LED sources.
- Thermally optimized LED in 4000K CCT at 65 CRI.

**Electrical**
- -30°C to 40°C (-22°F to 104°F), 120V-277V 50/60 Hz, 347V 60 Hz.
- LED driver mounted to the housing for optimal heat sinking.
- Integral electronic LED driver incorporates surge protection.
- 9" external electrical leads allow for easy electrical connectivity.
- LEDs maintain greater than 90% of initial light output after 60,000 hours.
- L90, 60,000 at 40°C (104°F) compliant with Illuminating Engineering Society of North America (IESNA) TM-21.
- Optional occupancy sensor provides additional energy savings.

**Finish**
- Super durable TGIC, textured, concrete grey polyester powder-coat paint.

**Warranty**
- Five-year limited warranty.

**Rotatable Optics**
Fully adjustable, locking, rotatable optical panels allow for precise illumination control. Optical panels adjust in 15° increments.

**IP66 Ingress Protection Rated**
Enclosure is gasketed to seal out contaminants while allowing access to the LED driver compartment.

**Quick-Mount Secure Click and Lock System**
Rugged, quick-mount system with secure click and lock tab release feature ensures a safe and easy installation.
Optional Features

Energy-Efficient LED Driver
Configured with the most efficient LED driver to minimize energy consumption while maximizing fixture life.

Versatile Mounting
Quick mount plate adapts to all wet location junction boxes allowing for surface, free-swing or rigid pendant installation (J-box supplied by others).

Bird Guard and Occupancy Sensor
Field adaptable occupancy sensor reduces energy consumption. Bird guard wraps around pendant and is secured to the housing via tab inserts and screw.

Three-Step Installation

Step 1
Install quick mount bracket to wet location junction box.

Step 2
Secure fixture on wire hanger and make electrical connections.

Step 3
Lift and slide fixture until it clicks. Lock release tabs with captive hardware. Aim and lock optical panels.
Energy Savings

Reduced Energy Consumption

Operating and maintenance costs of a lighting system are dramatically impacted by the specified lamp source, system power consumption and the duration time of operation. Total system input watts and fixture operating life should be the driving considerations when addressing energy consumption and total cost of ownership. Energy savings increase when energy consumption is reduced and maintenance intervals are extended.

Annualized Energy and Maintenance Savings/Cost Comparison

<table>
<thead>
<tr>
<th>Product</th>
<th>Hours/Year</th>
<th>Life (Hours)</th>
<th>Wattage</th>
<th>Energy Cost/Year at .10 kWh</th>
<th>Relamp/Fixture</th>
<th>Total Energy Cost/Fixture and Maintenance</th>
<th>Savings Per Fixture</th>
<th>% Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quadcast LED</td>
<td>24 / 8,760</td>
<td>60,000</td>
<td>56W</td>
<td>$49.06</td>
<td>$0.00</td>
<td>$49.06</td>
<td>$200.33</td>
<td>80%</td>
</tr>
<tr>
<td>175W Metal Halide (HID)</td>
<td>7,500</td>
<td>210W</td>
<td>$183.96</td>
<td>$65.43</td>
<td>$249.39</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quadcast LED</td>
<td>24 / 8,760</td>
<td>60,000</td>
<td>56W</td>
<td>$49.06</td>
<td>$0.00</td>
<td>$49.06</td>
<td>$97.27</td>
<td>66%</td>
</tr>
<tr>
<td>2 x 60W T12 (Fluorescent)</td>
<td>36,000</td>
<td>126W</td>
<td>$110.38</td>
<td>$35.95</td>
<td>$146.33</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quadcast LED</td>
<td>24 / 8,760</td>
<td>60,000</td>
<td>56W</td>
<td>$49.06</td>
<td>$0.00</td>
<td>$49.06</td>
<td>$78.61</td>
<td>62%</td>
</tr>
<tr>
<td>2 x 54W T5 (Fluorescent)</td>
<td>36,000</td>
<td>120W</td>
<td>$105.12</td>
<td>$22.55</td>
<td>$127.67</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quadcast LED</td>
<td>24 / 8,760</td>
<td>60,000</td>
<td>56W</td>
<td>$49.06</td>
<td>$0.00</td>
<td>$49.06</td>
<td>$43.88</td>
<td>47%</td>
</tr>
<tr>
<td>Induction</td>
<td>100,000</td>
<td>89W</td>
<td>$77.96</td>
<td>$14.98</td>
<td>$92.94</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTE: Nominal lumens prior to optical and configuration losses based on 4000 CCT. 4000K package at 25ºC ambient. Quadcast = 4365 Lumens.

1. Hours of life based on 90% lumen maintenance.

Energy Savings/Equivalency/Cross Reference Guide

<table>
<thead>
<tr>
<th>Product</th>
<th>Fluorescent Equivalency</th>
<th>HID Equivalency</th>
<th>Lamp System</th>
<th>Wattage</th>
<th>Rated Avg. Life (Hours)</th>
<th>Quadcast Wattage</th>
<th>Quadcast Life (Hours)</th>
<th>Energy Savings %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quadcast LED</td>
<td>2 x 54W</td>
<td>175W MH 85W Induction</td>
<td>210W</td>
<td>7,500</td>
<td>56W</td>
<td>60,000</td>
<td>73%</td>
<td></td>
</tr>
<tr>
<td>2 x 60W T12 (Fluorescent)</td>
<td>126W</td>
<td>36,000</td>
<td>60,000</td>
<td>56%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 x 54W T5 (Fluorescent)</td>
<td>120W</td>
<td>36,000</td>
<td>60,000</td>
<td>53%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>85W Induction</td>
<td>89W</td>
<td>100,000</td>
<td>60,000</td>
<td>37%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTE: Nominal lumens prior to optical and configuration losses based on 4000 CCT. 4000K package at 25ºC ambient. Quadcast = 4365 Lumens. 1. Hours of life based on 90% lumen maintenance.

Utility Incentive Programs*

Utility companies are leading the way in responding to climate change and the power sector’s role in reducing greenhouse gases while meeting the country’s growing energy needs. Monetary incentives toward the purchase of high-efficient parking garage luminaires support clean energy resources and technologies that are critical to our transition to a sustainable, low carbon society.

For details, log onto: www.quadcastled.com

* As of August 1, 2012.
Ordering Information

Stock Sample Number: QDCAST1A

Product Family

QDCAST1A-LED Parking Garage/Canopy Luminaire, Concrete Grey with Four Integral Locking Light Panels and Quick-Mount Bracket System, 120V-277V, 50/60 Hz
QDCAST1A-347V-LED Parking Garage/Canopy Luminaire, Concrete Grey with Four Integral Locking Light Panels and Quick-Mount Bracket System, 347V, 60Hz

QDCAST1A-XX-LED Parking Garage/Canopy Luminaire, Concrete Grey with Four Integral Locking Light Panels and Quick-Mount Bracket System, 120V-277V, 50/60 Hz
QDCAST1A-347V-LED Parking Garage/Canopy Luminaire, Concrete Grey with Four Integral Locking Light Panels and Quick-Mount Bracket System, 347V, 60Hz

Accessories (Order Separately)

QDCAST1A-XX-Quaddcast 6" Pendant Bird Guard
QDCAST1A-XX-Quaddcast Photocontrol and Occupancy Sensor (On/Off Operation)

Dimensions

14-3/4" [375mm] Square
3-1/2" [90mm]

CRI/CCT Table

<table>
<thead>
<tr>
<th>LED Information</th>
<th>QDCAST1A-XX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delivered Lumens</td>
<td>4,360</td>
</tr>
<tr>
<td>CCT (Kelvin)</td>
<td>4,000</td>
</tr>
<tr>
<td>Color Rendering Index (CRI)</td>
<td>65</td>
</tr>
</tbody>
</table>

Current Draw

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Total Amps</th>
<th>Wattage</th>
<th>Ambient Temperature</th>
<th>Lumen Multiplier</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V</td>
<td>0.46</td>
<td>56W</td>
<td>10°C</td>
<td>1.04</td>
</tr>
<tr>
<td>208V</td>
<td>0.26</td>
<td>56W</td>
<td>15°C</td>
<td>1.03</td>
</tr>
<tr>
<td>240V</td>
<td>0.23</td>
<td>56W</td>
<td>25°C</td>
<td>1.00</td>
</tr>
<tr>
<td>277V</td>
<td>0.20</td>
<td>56W</td>
<td>40°C</td>
<td>0.96</td>
</tr>
<tr>
<td>347V</td>
<td>0.17</td>
<td>58W</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Lumen Multiplier

<table>
<thead>
<tr>
<th>Ambient Temperature</th>
<th>Lumen Multiplier</th>
</tr>
</thead>
<tbody>
<tr>
<td>10°C</td>
<td>1.04</td>
</tr>
<tr>
<td>15°C</td>
<td>1.03</td>
</tr>
<tr>
<td>25°C</td>
<td>1.00</td>
</tr>
<tr>
<td>40°C</td>
<td>0.96</td>
</tr>
</tbody>
</table>

Lumen Maintenance

<table>
<thead>
<tr>
<th>Ambient Temperature</th>
<th>TM-21 Lumen Maintenance (60,000 Hours)</th>
<th>Theoretical L70 (Hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25°C</td>
<td>&gt; 94%</td>
<td>&gt; 350,000</td>
</tr>
<tr>
<td>40°C</td>
<td>&gt; 93%</td>
<td>&gt; 250,000</td>
</tr>
</tbody>
</table>

Additional Information

Compliances

UL and cUL Wet Location Listed
IP66 Rated
3G Vibration Rated
DLC Compliant *

Technical Data (Electronic LED Driver)

-30°C Minimum Ambient Temperature Rating
<20% Total Harmonic Distortion
0.9 Power Factor
120V-277V, 50/60 Hz
347V 60 Hz

Shipping Data (Approximate Net Weight)

7.5 - 10 lbs. (3.4 - 4.5 kgs.)

Typical Mounting Configurations (Pendant stem and junction-boxes supplied by others)

Free Swing Pendant
Rigid Conduit
Surface Mount

CRI/CCT Table

<table>
<thead>
<tr>
<th>LED Information</th>
<th>QDCAST1A-XX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delivered Lumens</td>
<td>4,360</td>
</tr>
<tr>
<td>CCT (Kelvin)</td>
<td>4,000</td>
</tr>
<tr>
<td>Color Rendering Index (CRI)</td>
<td>65</td>
</tr>
</tbody>
</table>

Current Draw

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Total Amps</th>
<th>Wattage</th>
<th>Ambient Temperature</th>
<th>Lumen Multiplier</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V</td>
<td>0.46</td>
<td>56W</td>
<td>10°C</td>
<td>1.04</td>
</tr>
<tr>
<td>208V</td>
<td>0.26</td>
<td>56W</td>
<td>15°C</td>
<td>1.03</td>
</tr>
<tr>
<td>240V</td>
<td>0.23</td>
<td>56W</td>
<td>25°C</td>
<td>1.00</td>
</tr>
<tr>
<td>277V</td>
<td>0.20</td>
<td>56W</td>
<td>40°C</td>
<td>0.96</td>
</tr>
<tr>
<td>347V</td>
<td>0.17</td>
<td>58W</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Lumen Multiplier

<table>
<thead>
<tr>
<th>Ambient Temperature</th>
<th>Lumen Multiplier</th>
</tr>
</thead>
<tbody>
<tr>
<td>10°C</td>
<td>1.04</td>
</tr>
<tr>
<td>15°C</td>
<td>1.03</td>
</tr>
<tr>
<td>25°C</td>
<td>1.00</td>
</tr>
<tr>
<td>40°C</td>
<td>0.96</td>
</tr>
</tbody>
</table>

Lumen Maintenance

<table>
<thead>
<tr>
<th>Ambient Temperature</th>
<th>TM-21 Lumen Maintenance (60,000 Hours)</th>
<th>Theoretical L70 (Hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25°C</td>
<td>&gt; 94%</td>
<td>&gt; 350,000</td>
</tr>
<tr>
<td>40°C</td>
<td>&gt; 93%</td>
<td>&gt; 250,000</td>
</tr>
</tbody>
</table>

Additional Information

Compliances

UL and cUL Wet Location Listed
IP66 Rated
3G Vibration Rated
DLC Compliant *

Technical Data (Electronic LED Driver)

-30°C Minimum Ambient Temperature Rating
<20% Total Harmonic Distortion
0.9 Power Factor
120V-277V, 50/60 Hz
347V 60 Hz

Shipping Data (Approximate Net Weight)

7.5 - 10 lbs. (3.4 - 4.5 kgs.)

Typical Mounting Configurations (Pendant stem and junction-boxes supplied by others)

Free Swing Pendant
Rigid Conduit
Surface Mount
Cooper Lighting
Headquarters
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

International Sales
Cooper Lighting
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
F: 770-486-4801

Canada Sales
Cooper Lighting
5925 McLaughlin Road
Mississauga, Ontario L5R 1B8
P: 905-501-3000
F: 905-501-3172

The Cooper Lighting Family
Halo
Halo Commercial
Portfolio
IRI5
RSA
Metalux
Corelite
Neo-Ray
Fail-Safe
MWS
Ametrix
Shaper
io
Lumark
McGraw-Edison
Invue
Lumière
Streetworks
AtLite
Sure-Lites

Domestic Distribution Facilities
Cranbury, New Jersey
Elk Grove Village, Illinois
Irving, Texas
Bloomington, California
Peachtree City, Georgia

Canadian Distribution Facilities
Calgary, Alberta T2E 7V9
Mississauga, Ontario L5R 1B8

The Cooper Controls Family
Greengate
iLumin
Zero 88
Fifth Light Technology
iLight (International Only)