



Quadcast LED

Parking Garage and Canopy Luminaire

Innovation you can rely on™

COOPER Lighting



Universal Functionality

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.

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.

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.

Optical

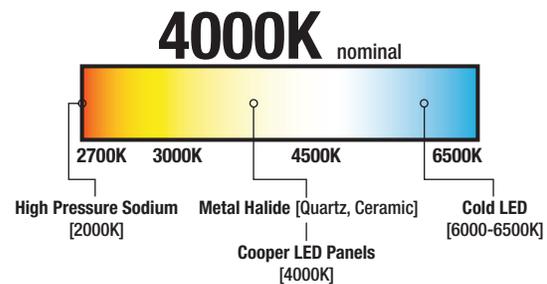
- Four silicone-sealed LED optical panels are impact-resistant and UV stable.
- 150° adjustable rotation, optical panels lock in place with 9/64" stainless steel Allen® hardware. Optical panels adjust in 15° increments for precise control.
- LED optical panels are isolated from the driver compartment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

Finish

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

Warranty

- Five-year limited warranty.



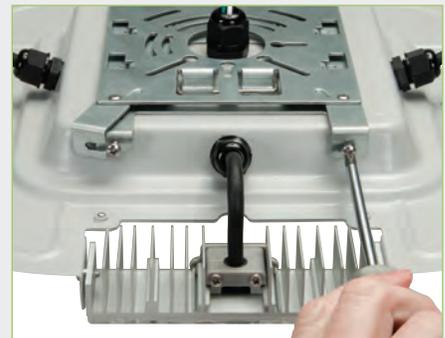
Rotatable Optics

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



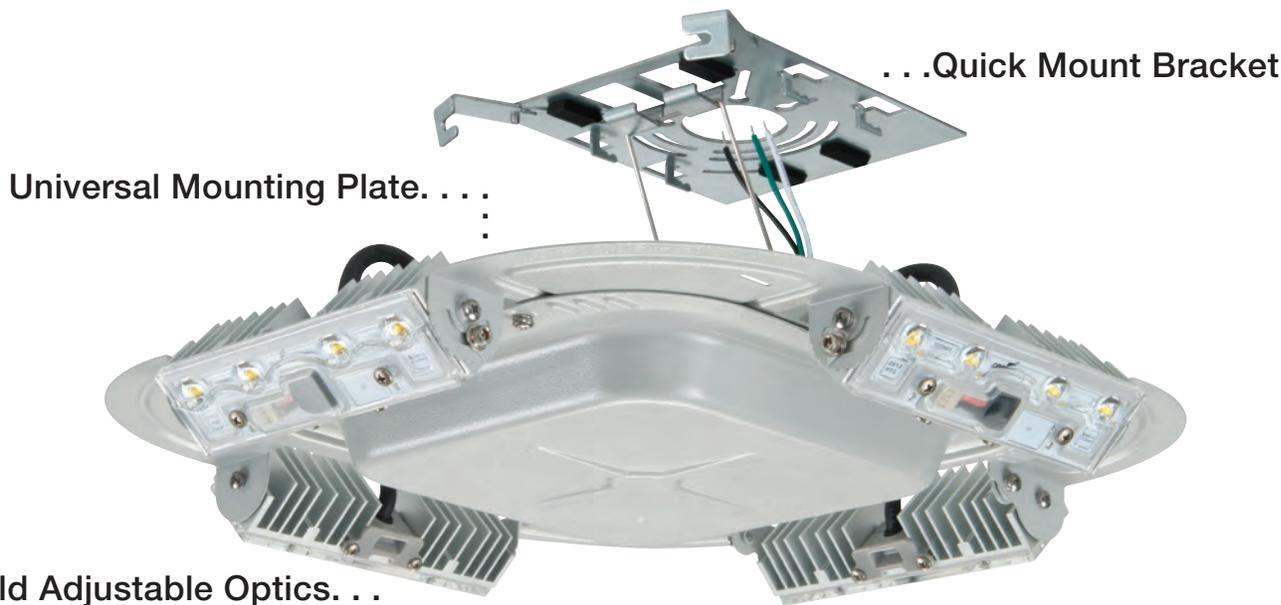
IP66 Ingress Protection Rated

Enclosure is gasketed to seal out contaminants while allowing access to the LED driver compartment.

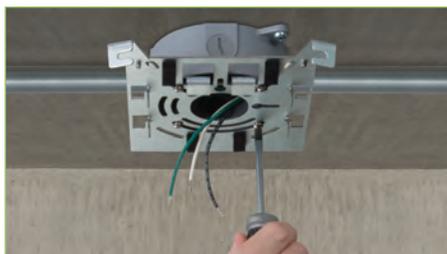


Quick-Mount Secure Click and Lock System

Rugged, quick-mount system with secure click and lock tab release feature ensures a safe and easy installation.



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-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).

Optional Features



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.

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

Product	Hours/Year	Life (Hours) ¹	Wattage	Energy Cost/Year at .10 kWh ²	Relamp/Fixture ³	Total Energy Cost/Fixture and Maintenance	Savings Per Fixture	% Savings
Quadcast LED	24 / 8,760	60,000	56W	\$49.06	\$0.00	\$49.06	\$200.33	80%
175W Metal Halide (HID)		7,500	210W	\$183.96	\$65.43	\$249.39		
Quadcast LED	24 / 8,760	60,000	56W	\$49.06	\$0.00	\$49.06	\$97.27	66%
2 x 60W T12 (Fluorescent)		36,000	126W	\$110.38	\$35.95	\$146.33		
Quadcast LED	24 / 8,760	60,000	56W	\$49.06	\$0.00	\$49.06	\$78.61	62%
2 x 54W T5 (Fluorescent)		36,000	120W	\$105.12	\$22.55	\$127.67		
Quadcast LED	24 / 8,760	60,000	56W	\$49.06	\$0.00	\$49.06	\$43.88	47%
Induction		100,000	89W	\$77.96	\$14.98	\$92.94		

NOTE: 1. Lamp life for non-LED sources is defined as 50% failures. **2.** Cost = (Watts x 24 hours per day x 365 days per year) / 1000 = Daily Kilowatt hour (kWh). kWh x .10 cents/kWh = Cost/year at .10 kWh. **3.** Relamping cost is calculated based on an average relamping period associated with each fixture: T5: 4 years, T12: 4 years (Includes ballast, sockets and lamps due to the discontinuation of T12 luminaires), Induction: 11 years, HID: 11 months.

Energy Savings/Equivalency/Cross Reference Guide

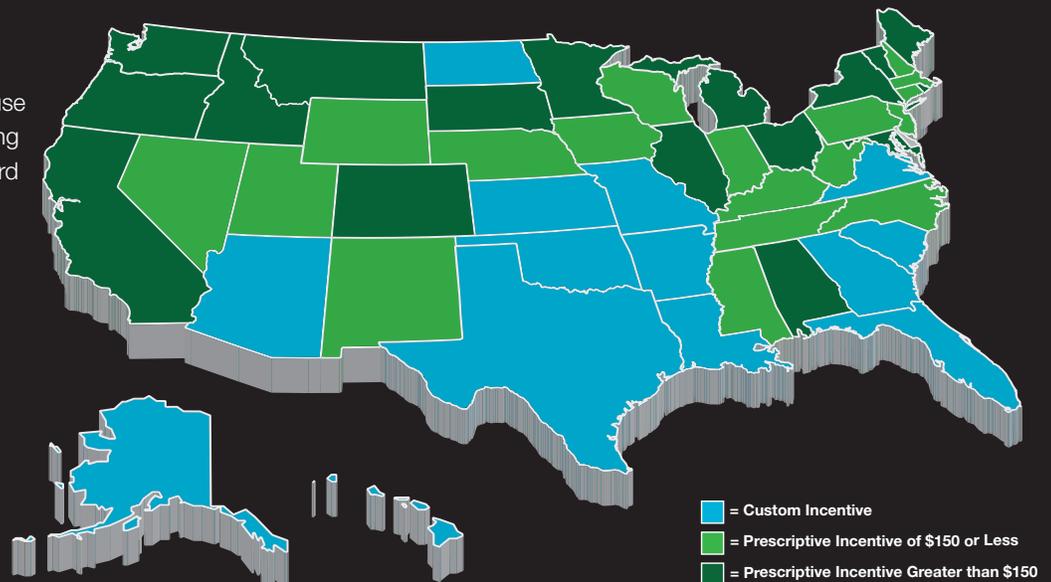
Product	Fluorescent Equivalency	HID Equivalency	Lamp System	Wattage	Rated Avg. Life (Hours)	Quadcast Wattage	Quadcast Life (Hours) ¹	Energy Savings %
Quadcast LED	2 x 54W 2 x 60W	175W MH 85W Induction	175W Metal Halide (HID)	210W	7,500	56W	60,000	73%
			2 x 60W T12 (Fluorescent)	126W	36,000		60,000	56%
			2 x 54W T5 (Fluorescent)	120W	36,000		60,000	53%
			85W Induction	89W	100,000		60,000	37%

NOTE: Nominal lumens prior to optical and configuration losses based on 4000 CCT, 4000K package at 25°C 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



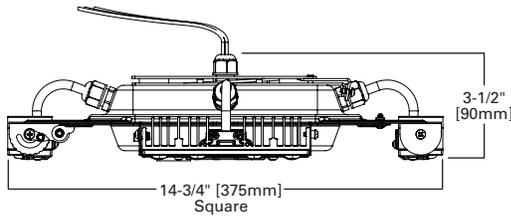
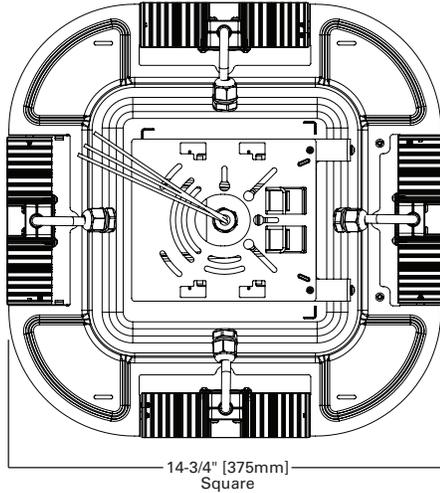
* As of August 1, 2012.

Ordering Information

Stock Sample Number: QDCAST1A

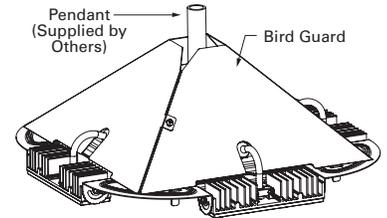
Product Family	Accessories (Order Separately)
QDCAST1A =LED Parking Garage/Canopy Luminaire, Concrete Grey with Four Integral Locking Light Panels and Quick-Mount Bracket System, 120V-277V, 50/60 Hz QDCAST1A-347V =LED Parking Garage/Canopy Luminaire, Concrete Grey with Four Integral Locking Light Panels and Quick-Mount Bracket System, 347V, 60Hz	QDPBG =Quadcast 6" Pendant Bird Guard QDOCC =Quadcast Photocontrol and Occupancy Sensor (On/Off Operation)

Dimensions

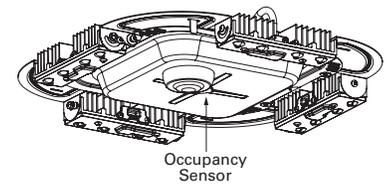


Accessories

Pendant Bird Guard (QDPBG)



Occupancy Sensor (QDOCC)



CRI/CCT Table

LED Information	QDCAST1A-XX
Delivered Lumens	4,365
CCT (Kelvin)	4,000
Color Rendering Index (CRI)	65

Current Draw

Voltage	Total Amps	Wattage
120V	0.46	56W
208V	0.26	56W
240V	0.23	56W
277V	0.20	56W
347V	0.17	58W

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
10°C	1.04
15°C	1.03
25°C	1.00
40°C	0.96

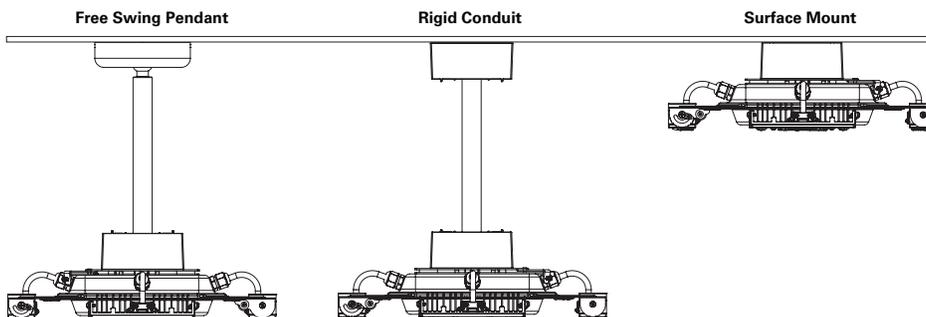
Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C	> 94%	> 350,000
40°C	> 93%	> 250,000

Additional Information

Compliances	Technical Data (Electronic LED Driver)	Shipping Data (Approximate Net Weight)
UL and cUL Wet Location Listed IP66 Rated 3G Vibration Rated DLC Compliant *	-30°C Minimum Ambient Temperature Rating <20% Total Harmonic Distortion 0.9 Power Factor 120V-277V, 50/60 Hz 347V 60 Hz	7.5 - 10 lbs. (3.4 - 4.5 kgs.)

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



IP66 Rated



* www.designlights.org

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Streetworks
AtLite
Sure-Lites

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Elk Grove Village, Illinois
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Peachtree City, Georgia

Canadian Distribution Facilities

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Fifth Light Technology
iLight (International Only)



25% PCRf

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