

DESCRIPTION

The patent pending Lumark Quadcast™ Parking Garage/Canopy Luminaire is an industry leading, innovative, energy saving fixture. Quadcast is designed to one-for-one replace traditional HID, fluorescent and induction light sources. Rotating light panels incorporate an integral locking feature for precise aiming from 0° to 150°. Quadcast offers seamless integration into existing or new spaces with super bright energy-efficient LEDs. The low-profile, rugged construction, free-hand installation features along with stainless-steel hardware make Quadcast the right choice for illuminating parking garages, canopy, stairwells and low-bay retail installations where high security illumination and energy savings is needed.

SPECIFICATION FEATURES

Construction

Heavy-duty, low-profile 3-1/2", two-piece steel housing. The lower housing incorporates a cross-hatch design pattern and is hinged incorporating magnetic tip stainless- steel hardware. The four LED light panels are constructed of anodized extruded aluminum with integral heat-sink fins and IP66 rated light panel optical assembly. The top housing integrates a universal mounting plate which mounts to 1-gang, 2-gang and 4" round wet location j-boxes (#8 and #6 mounting screws included). The easy to install quick-mount bracket system allows for free hand wiring and is locked into place via the captive hardware. Quadcast is suitable for mounting to a surface mounted j-box or to a rigid or free swing pendant.

Optical

Quadcast optical light panels are constructed of patent pending, high temperature acrylic. An array of 4000K (CCT) LEDs are optimally positioned to meet multiple lighting applications. Quadcast optical panels are IP66 rated and are silicone sealed to prevent entry

of water and debris. Each light panel is field adjustable to rotate from 0° to 150° and features visual 15° adjustment indicators and an Allen® head locking feature for precise aiming from straight down to indirect canopy illumination.

Electrical

Quadcast is IP66 rated and incorporates wet location SJOW rated cord wiring that protects the electrical connectivity between the light panel assemblies and the housing which is connected via the sturdy 1" wet location cord glands. All electrical utility connectivity is made via the 9" external leads. The LED optical panels are isolated from the driver compartment allowing for both conductive and natural convection heat transfer to rapidly dissipate heat away from the LED sources. UL rated for temperatures from -30°C to 40°C. Quadcast luminaires maintain greater than 90% of initial light output after 60,000 hours of operation. Integral LED electronic driver incorporates surge protection. 120V-277V, 50/60 Hz or 347V, 60 Hz.

Finish

Quadcast is protected with a 5-stage Super durable TGIC textured concrete grey polyester powder coat paint. Premium TGIC powder coat paint finishes withstand extreme climate conditions.

Warranty

Five-year warranty.

Catalog #		Type
Project		
Comments		Date
Prepared by		

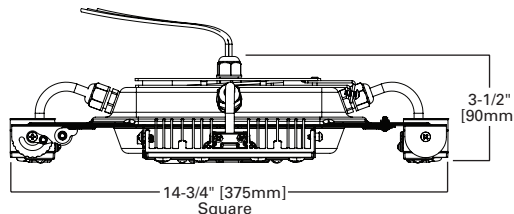
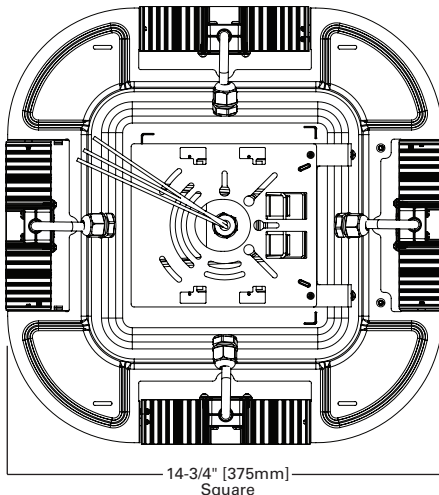


QD QUADCAST

Solid State LED

PARKING GARAGE / CANOPY /
LOW-BAY LUMINAIRE

DIMENSIONS



DESIGNLIGHTS
CONSORTIUM 

CERTIFICATION DATA

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

ENERGY DATA

Electronic LED Driver
0.9 Power Factor
<20% Total Harmonic Distortion
120V-277V 50/60 Hz
347V 60 Hz
-30°C to 40°C

SHIPPING DATA

Approximate Net Weight:
7.5 – 10 lbs. (3.4 – 4.5 kgs.)

STOCKING ORDERING INFORMATION

Sample Stock Number: QDCAST1A

Product	Description	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.	QDPBG=Quadcast 6" Pendant Bird Guard QDOCC=Quadcast Photocontrol and Occupancy Sensor (on/off operation) ¹
QDCAST1A-OCC	LED Parking/Garage/Canopy Luminaire, Concrete Grey with Four Integral Locking Light Panels and Quick-Mount Bracket System, 120-277V, 50/60 Hz. Includes Integral On/Off Occupancy Sensor and Photocontrol	
QDCAST1A-347	LED Parking/Garage/Canopy Luminaire, Concrete Grey with Four Integral Locking Light Panels and Quick-Mount Bracket System, 347V, 60Hz.	
QDCAST1A-347V-OCC	LED Parking/Garage/Canopy Luminaire, Concrete Grey with Four Integral Locking Light Panels and Quick-Mount Bracket System, 347V, 60 Hz. Includes Integral On/Off Occupancy Sensor and Photocontrol	

NOTE: 1. QDOCC is supplied standard on QDCASTA-OCC and QDCAST1A-347V-OCC.

DesignLights™ Consortium Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.

POWER CONSUMPTION

Voltage	Current (Amps)	Power (Watts)
120V	0.46A	56
208V	0.26A	56
240V	0.23A	56
277V	0.20A	56
347V	0.17A	58

CRI/CCT TABLE

LED Information	QDCAST1A-XX
Delivered Lumens	4,365
CCT (Kelvin)	4000
Color Rendering Index (CRI)	65

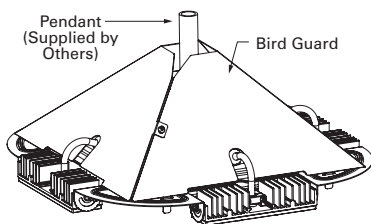
LUMEN MULTIPLIER

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

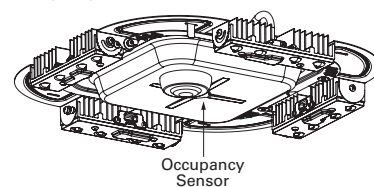
LUMEN MAINTENANCE

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

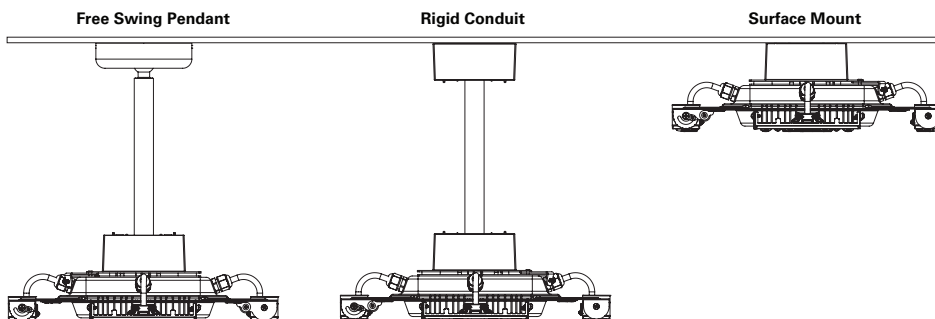
Pendant Bird Guard (QDPBG)



Occupancy Sensor (QDOCC)



TYPICAL MOUNTING CONFIGURATIONS (PENDANT STEM AND J-BOXES SUPPLIED BY OTHERS)



NOTE: Specifications and dimensions subject to change without notice.

Visit our web site at www.cooperlighting.com

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