

DESCRIPTION

The patented 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.

Catalog #		Type
Project		
Comments		Date
Prepared by		

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

The Quadcast luminaires 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. The Quadcast luminaires 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.

Controls

The Quadcast luminaires control options are designed to be simple and cost-effective ASHRAE and California Title 24 compliant solutions. An integrated dimming and occupancy sensor is a standalone control option available in on/ off (MSP) and bi-level dimming (MSP/DIM) operation. 0-10 dimming driver is standard.

Electrical

The Quadcast luminaire 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. The Quadcast luminaires maintain greater than 96% of initial light output after 60,000 hours of operation. Integral LED electronic driver incorporates surge protection. 0-10V dimming standard. 120V-277V, 50/60 Hz or 347V/60 Hz.

Finish

Quadcast is protected with a five-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.

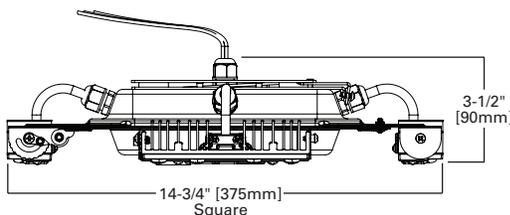
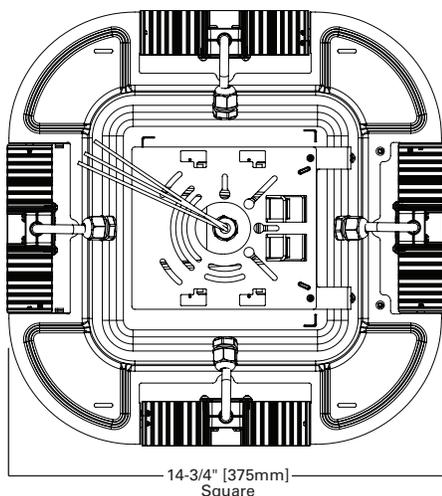


QD QUADCAST

Solid State LED

PARKING GARAGE/
CANOPY LUMINAIRE

DIMENSIONS



CERTIFICATION DATA

UL and cUL Wet Location Listed
IP66 Rated
3G Vibration Rated

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: QDCAST1B

Product	Description	Accessories (Order Separately)
QDCAST1B	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 QDCOV =Quadcast Cover ³
QDCAST1B-MSP/L12	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	
QDCAST1B-MSP/DIM-L12 ¹	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 Occupancy Sensor and Photocontrol for Dimming	
QDCAST1B-347V	LED Parking/Garage/Canopy Luminaire, Concrete Grey with Four Integral Locking Light Panels and Quick-Mount Bracket System, 347V, 60Hz	
QDCAST1B-347V-MSP/L12 ²	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	
QDCAST1B-347V-MSP-DIM-L12 ¹	LED Parking Garage/Canopy Luminaire, Concrete Grey with Four Integral Locking Light Panels and Quick-Mount Bracket System, 347V, 60 Hz. Includes Integral Occupancy Sensor and Photocontrol for Dimming	

NOTE: 1. Factory set to 50% power reduction after 10-minutes of inactivity. Dimming driver and integral photo sensor included. 2. Dimming driver and integral photo sensor included. 3. QDCOV can be used in applications without a sensor or with the MSP integrated sensor.

POWER CONSUMPTION

Voltage	Current (Amps)	Power (Watts)
120V	0.48A	54W
208V	0.27A	54W
240V	0.24A	54W
277V	0.21A	54W
347V	0.17A	62W

CRI/CCT TABLE

LED Information	QDCAST1B-XX	QDCAST1B-347V
Delivered Lumens	5106	4263
CCT (Kelvin)	4000	4000
Color Rendering Index (CCT)	70	70

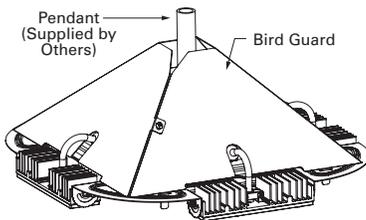
LUMEN MULTIPLIER

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

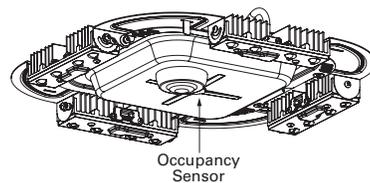
LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
25°C	>96%	>520,000
40°C	>96%	>505,000

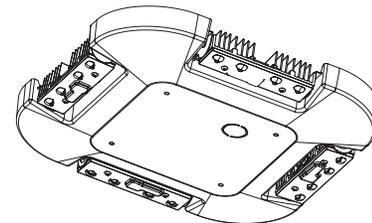
Pendant Bird Guard (QDPBG)



Occupancy Sensor (QDCAST1B-MSP)



Quadcast Cover (QDCOV)



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

