

Scarab™ C700

120 TO 277 VOLT DIE-CAST BRASS LED

Type:
Job:

Approvals:

Fixture Catalog number:

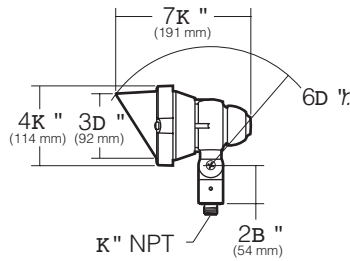
Fixture Options:

Fixture and Finish

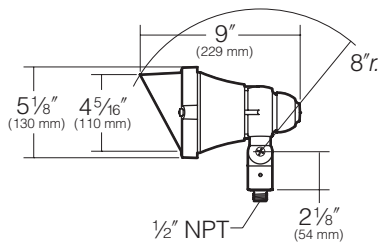
Ordered separately from fixture, see page 3.
See 120 Volt Mounting Options Spec Sheet for mounting options

Specifications

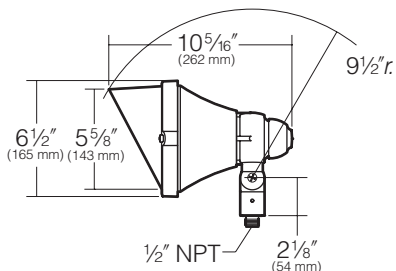
C700/7L
7 Light Emitting Diodes



C700/9L
9 Light Emitting Diodes



C700/12L
12 Light Emitting Diodes



U.S. PATENT D424,731

Housing: Die-cast brass body and lens frame.

Swivel: Die-cast brass with locking teeth and K" solid brass NPT mount. Provides horizontal rotation independent of the threaded mount. Swivel locked by J-20 stainless set screw.

Gasketing: Silicone gaskets throughout.

Fasteners: Stainless steel.

Wiring: No. 18AWM rated 105°C.

Optical System: High performance acrylic optic securely attached to internal heat sink for maximum thermal dissipation.

Driver: Universal Voltage from 120 to 277V with a ±10% tolerance. -40°F. starting temperature. All drivers are Underwriters Laboratories recognized.

Finish: Natural Brass (**NB**)

Listed to: UL 1598 Standard for Luminaires - UL 8750 Standard for Safety for Light Emitting Diode (LED) Equipment for use in Lighting Products and CAN/CSA C22.2 No. 250.0 -08 Luminaires. LEDs and drivers are RoHS compliant.

CAUTION: Fixtures must be grounded in accordance with national, state and/or local electrical codes, Failure to do so may result in serious personal injury.

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

Scarab™ C700

120 TO 277 VOLT DIE-CAST BRASS LED

Type:

Job:



Standard Features

Ordering Information

| Fixture | Source |
|-----------------------------|----------------------------|
| C700S3/7L3KUV ¹ | 350mA, 9W, 7 LEDs, 3000K |
| C700S3/7L4KUV ¹ | 350mA, 9W, 7 LEDs, 4200K |
| C700S3/7L5KUV ¹ | 350mA, 9W, 7 LEDs, 5100K |
| C700F3/7L3KUV ¹ | 350mA, 9W, 7 LEDs, 3000K |
| C700F3/7L4KUV ¹ | 350mA, 9W, 7 LEDs, 4200K |
| C700F3/7L5KUV ¹ | 350mA, 9W, 7 LEDs, 5100K |
| C700S3/9L3KUV ¹ | 350mA, 11W, 9 LEDs, 3000K |
| C700S3/9L4KUV ¹ | 350mA, 11W, 9 LEDs, 4200K |
| C700S3/9L5KUV ¹ | 350mA, 11W, 9LEDs, 5100K |
| C700F3/9L3KUV ¹ | 350mA, 11W, 9 LEDs, 3000K |
| C700F3/9L4KUV ¹ | 350mA, 11W, 9 LEDs, 4200K |
| C700F3/9L5KUV ¹ | 350mA, 11W, 9LEDs, 5100K |
| C700S3/12L3KUV ¹ | 350mA, 14W, 12 LEDs, 3000K |
| C700S3/12L4KUV ¹ | 350mA, 14W, 12 LEDs, 4200K |
| C700S3/12L5KUV ¹ | 350mA, 14W, 12 LEDs, 5100K |
| C700F3/12L3KUV ¹ | 350mA, 14W, 12 LEDs, 3000K |
| C700F3/12L4KUV ¹ | 350mA, 14W, 12 LEDs, 4200K |
| C700F3/12L5KUV ¹ | 350mA, 14W, 12 LEDs, 5100K |

¹S = Spot, F = Narrow Flood, UV = Universal Voltage from 120 to 277V with a ±10% tolerance.

Finish

Color: Natural Brass
 Cat. No.: **NB**

Scarab™ C700

120 TO 277 VOLT DIE-CAST BRASS LED

Type:

Job:



Fixture Options

Ordered Separately from Fixture

| | | | | |
|--|--|----------------|----------------|------------------|
| <p>Aluminum Adjustable Glare Shield</p> | <p>Spun aluminum shield with 45° cut and drain hole. Includes die-cast low copper alloy (< 0.6%) aluminum lens ring. The shield is rotatable 360°. Replaces standard lens ring/hood on fixture.</p> | | | |
| | | | | |
| Finish | C700/7L | C700/9L | C700/12L | |
| Natural Brass | AGS72NB | AGS73NB | AGS74NB | No Option |
| <p>Aluminum Full Glare Shield</p> | <p>Spun aluminum shield with drain hole. Includes die-cast low copper aluminum lens ring. Replaces standard lens ring/hood on fixture.</p> | | | |
| | | | | |
| Finish | C700/7L | C700/9L | C700/12L | |
| Natural Brass | FGS72NB | FGS73NB | FGS74NB | No Option |
| <p>Debris Screen</p> | <p>Stainless steel wire screen welded to flange, and held in place with spring clips. Screen inserts inside full glare shield only. All debris screens are black iridite colored.</p> | | | |
| | | | | |
| Finish | C700/7L | C700/9L | C700/12L | |
| Black | DS72 | DS73 | DS74 | No Option |
| <p>Mounting</p> | <p>Refer to 120 Volt Mounting Options Spec Sheet for individual mounting options.</p> | | | |

Scarab™ C700

120 TO 277 VOLT DIE-CAST BRASS LED

Type:

Job:



Lumen Data

| Spectroradiometric | | | |
|--------------------------------|---------------|---------------|---------------|
| | 3000K | 4200K | 5100K |
| Correlated Color Temp. CCT (K) | 2800 to 3175K | 3800 to 4600K | 4600 to 5600K |
| Color Rendering Index (CRI) | ≤80 | ≤80 | ≤70 |
| Power Factor | >.90 @ 120V | >.90 @ 120V | >.90 @ 120V |

| Electrical Drive Current | | | | | | | | | |
|--------------------------|-----------|-----------|--------------|-----------|-----------|--------------|-----------|-----------|--------------|
| Current | C700-7L | | | C700-9L | | | C700-12L | | |
| | Volts -AC | Amps - AC | System Watts | Volts -AC | Amps - AC | System Watts | Volts -AC | Amps - AC | System Watts |
| 350mA | 120 | 0.08 | 9 | 120 | 0.09 | 11 | 120 | 0.13 | 14 |
| | 208 | 0.05 | 9 | 208 | 0.06 | 11 | 208 | 0.08 | 14 |
| | 240 | 0.04 | 9 | 240 | 0.05 | 11 | 240 | 0.07 | 14 |
| | 277 | 0.04 | 9 | 277 | 0.04 | 11 | 277 | 0.06 | 14 |

| Absolute Lumens | | | | | | | | | |
|-----------------|---------|------|--------------|---------|------|--------------|----------|------|--------------|
| Current | C700-7L | | | C700-9L | | | C700-12L | | |
| | Temp. | Spot | Narrow Flood | Temp. | Spot | Narrow Flood | Temp. | Spot | Narrow Flood |
| 350mA | 3000K | 806 | 502 | 3000K | 1031 | 714 | 3000K | 1334 | 918 |
| | 4200K | 1047 | 661 | 4200K | 1339 | 939 | 4200K | 1778 | 1208 |
| | 5100K | 1173 | 741 | 5100K | 1500 | 1024 | 5100K | 1938 | 1317 |

| Main Beam Candela and Beam Angle | | | | | | | | | | | | | | | |
|----------------------------------|---------|------|-------|--------------|-------|---------|------|-------|--------------|-------|---------|-------|-------|--------------|-------|
| Current | C700-7L | | | | | C700-9L | | | | | C00-12L | | | | |
| | Temp. | Spot | Beam° | Narrow Flood | Beam° | Temp. | Spot | Beam° | Narrow Flood | Beam° | Temp. | Spot | Beam° | Narrow Flood | Beam° |
| 350mA | 3000K | 5553 | 15° | 1170 | 35° | 3000K | 6499 | 15° | 3134 | 35° | 3000K | 9528 | 15° | 3782 | 35° |
| | 4200K | 7214 | 15° | 1544 | 35° | 4200K | 8441 | 15° | 4121 | 35° | 4200K | 12699 | 15° | 4977 | 35° |
| | 5100K | 8082 | 15° | 1730 | 35° | 5100K | 9456 | 15° | 4494 | 35° | 5100K | 13842 | 15° | 5426 | 35° |

LED performance and lumen output continues to improve at a rapid pace. Log onto www.kimlighting.com to download the most current photometric files from Kim Lighting's IES File Library. For custom optics and color temperature configurations, contact factory.

| Projected Lumen Maintenance | | |
|-----------------------------|---------|------------------|
| TM21-11* | hrs | Calculated (L70) |
| .97 | 100,000 | 1,003,000 |

* 60,000 hrs, 350mA, Ts 46-51°C / 25°C ambient.