

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Ideal for parking areas, street lighting, walkways and car lots. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

**CONSTRUCTION** — Rugged, die-cast, soft corner aluminum housing with 0.12" nominal wall thickness. Die-cast hinged door frame is fully gasketed with one-piece tubular silicone. Prismatic, impact-resistant, tempered glass, drop-dish acrylic lens or drop-dish polyester lens.

Finish: Standard finish is dark bronze (DDB), polyester powder, with optional architectural colors available.

**OPTICS** — Reflector is optical quality aluminum that works in tandem with a light-diffusing prismatic lens.

**ELECTRICAL** — Ballast: 150W high-reactance, high power factor and is standard with pulse-start ignitor technology. "SCWA" not required. Constant wattage autotransformer for 250–400W. Super CWA (pulse start ballast), DOE 2017 compliant, is required for 250–400M (SCWA option) for U.S. shipments only.

Ballasts are 100% factory-tested.

Socket is horizontally oriented, mogul-base, porcelain socket with copper alloy, nickel-plated screw shell and center contact. UL listed 1500W-600V, 4KV pulse-rated.

**INSTALLATION** — Contoured, extruded 4" soft corner arm for pole or wall mounting is standard, with 9" arm optional.

**LISTING** — UL listed for wet locations. Listed and labeled to comply with Canadian standards (see Options).

**WARRANTY** — 1-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**Note:** Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Catalog Number
Notes
Type

## CONTOUR SERIES

### Arm-Mounted Soft Square HID Lighting

# KAC

METAL HALIDE: 250–400W

HIGH PRESSURE SODIUM: 150–400W

20' to 25' Mounting



#### Specifications

EPA: FP option: 1.2 ft<sup>2</sup> (.11 m<sup>2</sup>)

DP option: 1.4 ft<sup>2</sup> (.13 m<sup>2</sup>)

Square: 17-1/2 (44.5)

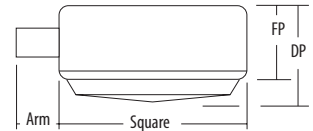
Depth: FP option: 7-1/8 (18.1)

DP option: 11-1/8 (28.3)

\*Weight: 35.9 lbs (16.3 kg)

\*Weight as configured in example below.


All dimensions are inches (centimeters) unless otherwise specified.



#### ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

**Example:** KAC 100M FP 120 SPD04 LPI

KAC						
Series	Wattage	Lens	Voltage	Ballast	Mounting	
KAC	Metal halide 250M <sup>1</sup> 400M <sup>1</sup> High pressure sodium <sup>2</sup> 150S 250S 400S	FP Flat prismatic C73T lens DPA Drop prismatic acrylic lens DPP Drop prismatic polycarbonate lens	120 347 208 <sup>3</sup> 480 <sup>3</sup> 240 <sup>3</sup> TB <sup>4</sup> 277 23050HZ <sup>5</sup>	(blank) Magnetic CWI Contant wattage isolated <sup>5</sup>  SCWA Super CWA pulse-start ballast NOTE: For shipments to U.S. territories, SCWA must be specified to comply with EISA.	SPD04 Square pole <sup>6</sup> SPD09 Square pole RPD04 Round pole <sup>6</sup> RPD09 Round pole WBD04 Wall bracket WBD09 Wall bracket WWD04 Wood pole or wall <sup>6</sup>	Optional mounting shipped separately <sup>7,8</sup> DA12P Degree arm, pole DA12WB Degree arm, wall KMA Mast arm adapter KTMB Twin mounting bar

Options	Finish <sup>12</sup>	Lamp <sup>13</sup>
<b>Shipped installed in fixture</b> PER NEMA twist-lock receptacle only (no photocontrol) SF Single fuse (120, 277, 347V) n/a TB DF Double fuse (208, 240, 480V) n/a TB QRS Quartz restrike system <sup>9</sup> EC Emergency circuit <sup>9</sup>	(blank) Dark bronze DWH White DBL Black DMB Medium bronze DNA Natural aluminum	LPI Lamp included L/LP Less lamp
QRSTD QRS with time delay <sup>5,9</sup> CSA Listed and labeled to comply with Canadian standards INTL Available for MH probe-start shipping outside the U.S. REGC1 California Title 20 effective 1/1/2010	Shipped separately <sup>7,8</sup> PE1 NEMA twist-lock PE (120, 208, 240V) PE3 NEMA twist-lock PE (347V) PE4 NEMA twist-lock PE (480V) PE7 NEMA twist-lock PE (277V) SC Shorting cap for PER option VG Vandal guard <sup>10,11</sup> WG Wire guard <sup>10</sup>	<b>Super Durable Finishes</b> DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLTXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Accessories: Tenon Mounting Slipfitter Number of fixtures. (RPxx required.)						
Tenon O.D.	One	Two@180°	Two@90° <sup>14</sup>	Three@120°	Three@90° <sup>14</sup>	Four@90° <sup>14</sup>
2-3/8" (6)	T20-190	T20-280	T20-290	T20-320 <sup>14</sup>	T20-390	T20-490
2-7/8" (7.3)	T25-190	T25-280	T25-290	T25-320	T25-390	T25-490
4" (10.2)	T35-190	T35-280	T35-290	T35-320	T35-390	T35-490

#### Notes

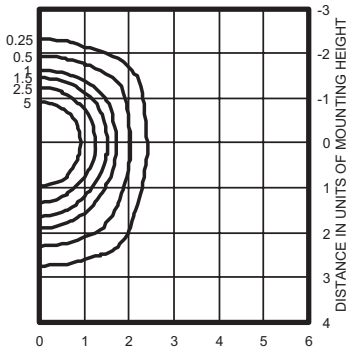
- These wattages require the REGC1 option to be chosen for shipments into California for Title 20 compliance. 250M REGC1 is not available in 347V or 480V.
- Not available with SCWA.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V); (120, 277, 347V in Canada).
- Consult factory for available wattages.
- 9" arm is required when two or more luminaires are oriented on a 90° drilling pattern.
- May be ordered as an accessory.

- Must specify finish when ordered as an accessory.
- Maximum allowable wattage lamp included.
- Prefix with KAC when ordering as an accessory.
- FP lens only.
- See [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors) for additional color options.
- Must be specified.
- Must use RPD09.

# KAC Arm-Mounted Soft Square HID Lighting

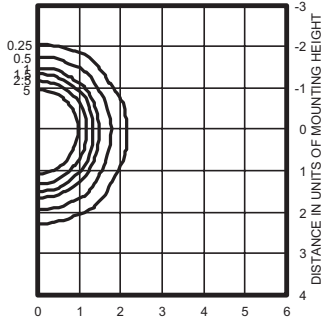
Coefficient of Utilization \_\_\_\_\_  
Initial Footcandles \_\_\_\_\_

KAC 400M DP      TEST NO: 1192121701P  
ISOILLUMINANCE PLOT (Footcandle)



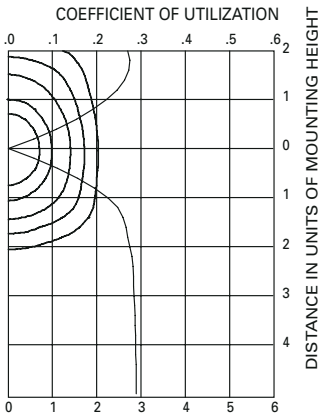
400W pulse start metal halide lamp, rated 38000 lumens. Footcandle values based on 20' mounting height.  
Classification: Unclassified (Type II, Very Short), Cutoff

KAC 400M FP      TEST NO: 1192121702P  
ISOILLUMINANCE PLOT (Footcandle)



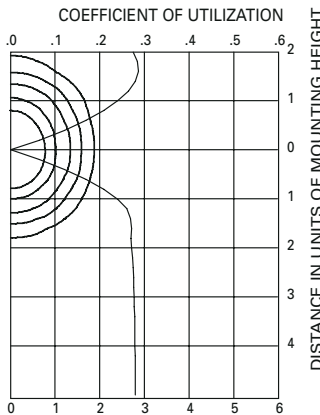
400W pulse start metal halide lamp, rated 38000 lumens. Footcandle values based on 20' mounting height.  
Classification: Unclassified (Type II, Very Short), Full Cutoff

KAC 400S DP      Test No. 1192122901



400W High Pressure Sodium lamp, 50000 rated lumens. Footcandle values based on 30' mounting height, Distribution DP, cutoff.

KAC 400S FP      Test No. 1192122902



400W High Pressure Sodium lamp, 50000 rated lumens. Footcandle values based on 30' mounting height, Distribution FP, cutoff.

### Notes

- 1 Photometric data for other distributions can be accessed from the Lithonia Lighting Web site ([www.lithonia.com](http://www.lithonia.com))
- 2 For electrical characteristics, consult outdoor technical data specification sheets on [www.lithonia.com](http://www.lithonia.com).
- 3 Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory and actual field measurements. Dimensions and specifications are based on the most current available data and are subject to change.
- 4 Actual performance may differ as a result of end-user environment and application.

### Mounting Height Correction Factor

(Multiply the fc level by the correction factor)

20' mounting height	30' mounting height
10 ft.= 4.00	20 ft.= 2.25
15 ft.= 1.78	25 ft.= 1.44
25 ft.= 0.64	
30 ft.= 0.44	

$$\left( \frac{\text{Existing Mounting Height}}{\text{New Mounting Height}} \right)^2 = \text{Correction Factor}$$



KAC-M-S