

## FEATURES & SPECIFICATIONS

**INTENDED USE** – Ideal for parking areas, street lighting, walkways and car lots.

**CONSTRUCTION** – Rugged, die-cast, soft corner aluminum housing with 0.12" nominal wall thickness. Die-cast door frame has impact-resistant, tempered, glass lens that is fully gasketed with one-piece tubular silicone. Finish: Standard finish is dark bronze (DDB) polyester powder finish, with other architectural colors available.

**OPTICS** – Anodized, aluminum reflectors: IES full cutoff distributions R2 (asymmetric), R3 (asymmetric), R4 (forward throw) and R55 (square) are interchangeable. High-performance anodized, segmented aluminum reflectors IES full cutoff distributions SR2 (asymmetric), SR3 (asymmetric) and SR4SC (forward throw, sharp cutoff). High-performance reflectors attach with tool-less fasteners and are rotatable and interchangeable.

**ELECTRICAL** – Ballast: High pressure sodium: 250W is high reactance, high power factor. Constant wattage autotransformer for 200-400W. Constant wattage autotransformer for 250-400W. Super CWA (pulse start ballast), DOE 2017 compliant, is required for metal halide 250-400W (SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside of the US. Ballast is 100% factory-tested.

Socket: Mogul base socket for 250M and above, and 70-400S, with copper alloy, nickel-plated screw shell and center contact. UL listed 1500W, 600V.

**LISTINGS** – UL Listed (standard). CSA Certified (see Options). UL listed for 25°C ambient and wet locations. IP65 rated in accordance with standard IEC 529.

**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

Soft Square Lighting

# KAD



Specifications

EPA: 1.2 ft.<sup>2</sup>

\*Weight: 35.9 lbs (16.28 kg)

Length: 17-1/2" (44.5)

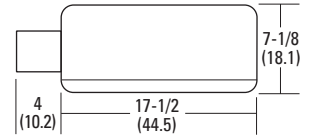
Width: 17-1/2" (44.5)

Depth: 7-1/8" (18.1)

All dimensions are inches (centimeters) unless otherwise specified.

\*Weight as configured in example below.

METAL HALIDE: 250-400W  
HIGH PRESSURE SODIUM: 70-400W  
20'TO 35' MOUNTING



### ORDERING INFORMATION For shortest lead times, configure product using **bolded options**.

**Example:** KAD 400M R3 TB SCWA SPD04 LPI

Series	Wattage	Distribution	Voltage	Ballast	Mounting <sup>9</sup>
<b>KAD</b>	Metal halide <b>250M<sup>1</sup></b> <b>400M<sup>1,2</sup></b>	<u>Standard reflectors</u> R2 IES type II asymmetric <sup>4</sup> <b>R3</b> IES type III asymmetric <sup>4</sup> <b>R4</b> IES type IV forward throw <sup>4</sup> R55 IES type V square	120 208 <sup>6</sup> 240 <sup>6</sup> <b>277</b> <b>347</b> <b>480<sup>6</sup></b> <b>TB<sup>7</sup></b> 23050HZ <sup>8</sup>	(blank) Magnetic ballast CWI Contant wattage isolated <sup>8</sup> <b>Pulse Start</b> <b>SCWA</b> Super CWA pulse-start ballast <small>NOTE: For shipments to U.S. territories, SCWA must be specified to comply with EISA.</small>	<u>Ships in fixture carton</u> <b>SPD</b> ___ Square pole RPD___ Round pole WBD___ Wall bracket WWD___ Wood or pole wall <u>Ships separately<sup>10,11</sup></u> DAD12P Degree arm (pole) DAD12WB Degree arm (wall) KMA Mast arm external fitter KTMB Twin mounting bar WBA Decorative wall bracket <sup>12</sup>
					<u>Arm length</u> <b>04</b> 4" arm 06 6" arm <b>09</b> 9" arm 12 12" arm

Options	Finish <sup>17</sup>	Lamp <sup>18</sup>
<u>Shipped installed in fixture</u> SF Single fuse (120, 277, 347V) <sup>13</sup> DF Double fuse (208, 240, 480V) <sup>13</sup> PD Power tray <sup>14</sup> <b>PER</b> NEMA twist-lock receptacle only (no photocontrol) QRS Quartz restrrike system <sup>15</sup> QRSTD QRS time delay <sup>15</sup> WTB Terminal wiring block <sup>14</sup>	<b>(blank)</b> Dark bronze <b>DWH</b> White <b>DBL</b> Black <b>DMB</b> Medium bronze <b>DNA</b> Natural aluminum <u>Super Durable Finishes</u> DDBXD Dark bronze DBLXD Black	<b>LPI</b> Lamp included <b>L/LP</b> Less lamp
<b>CSA</b> CSA Certified INTL Available MH for probe start shipping outside the U.S. REGC1 California Title 20, effective 1/1/2010 <u>Shipped separately<sup>10</sup></u> HS House side shield 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>16</sup> WG Wire guard <sup>16</sup>	
	DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white	

Accessories: Tenon Mounting Slipfitter (RPDXX required.) Order as separate catalog number. Must be used with pole mounting.							
Number of fixtures							
Tenon O.D.	One	Two@180°	Two@90°	Three@120°	Three@90°	Four@90°	
2-3/8"	T20-190	T20-280	T20-290 <sup>19</sup>	T20-320 <sup>19</sup>	T20-390 <sup>19</sup>	T20-490 <sup>19</sup>	
2-7/8"	T25-190	T25-280	T25-290 <sup>19</sup>	T25-320	T25-390 <sup>19</sup>	T25-490 <sup>19</sup>	
4	T35-190	T35-280	T35-290 <sup>19</sup>	T35-320	T35-390 <sup>19</sup>	T35-490 <sup>19</sup>	

### Notes

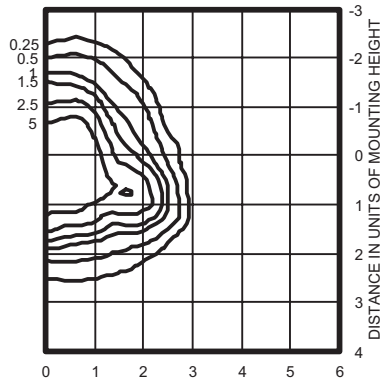
- These wattages require the REGC1 option to be chosen for shipments into California for Title 20 compliance. 250M REGC1 in not available in 347 or 480V.
- Reduced jacket ED28 required for SR2, SR3 and SR4SC optics.
- Not available with SCWA.
- House-side shield available.
- High performance reflectors not available with QRSTD.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V; in Canada: 120, 277, 347V).
- Consult factory for available wattages.
- 9" or 12" 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.
- Only available with SPD04 and SPD09. Can be ordered as separate line item.
- Must specify voltage. N/A with TB.
- Only available with SR2, SR3 and SR4SC optics.
- Max allowable wattage lamp included.
- Prefix with KAD when ordered as an accessory.
- See [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors) for additional color options.
- Must be specified. L/LP not available with MHC.
- Must use RPD09 or RPD12.

# KAD Metal Halide, Arm-mounted Soft Square Cutoff

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

**KAD 400M R2** Test no. 1193083101P

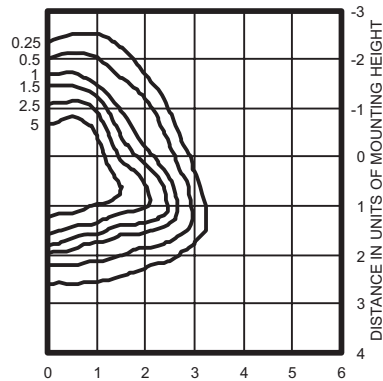
**ISOILLUMINANCE PLOT (Footcandle)**



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

**KAD 400M R3** Test no. 1192040902P

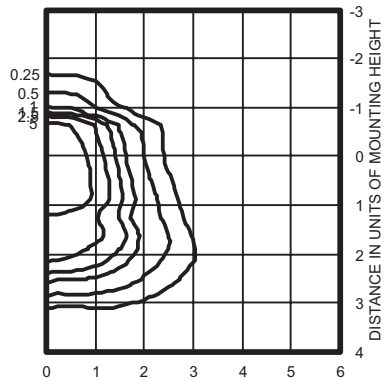
**ISOILLUMINANCE PLOT (Footcandle)**



400W pulse start metal halide lamp, rated 38,000 lumens. Footcandle values based on 20' mounting height.  
 Classification: Type II, Short, Full Cutoff

**KAD 400M R4** Test no. 1191110101P

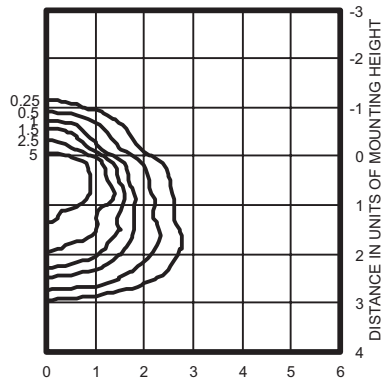
**ISOILLUMINANCE PLOT (Footcandle)**



400W pulse start metal halide lamp, rated 38,000 lumens. Footcandle values based on 20' mounting height.  
 Classification: Unclassified (Type III, Very Short), Full Cutoff

**KAD 400M R4HS** Test no. 1192061101P

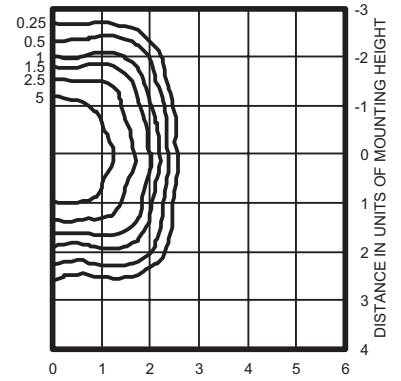
**ISOILLUMINANCE PLOT (Footcandle)**



400W pulse start metal halide lamp, rated 38,000 lumens. Footcandle values based on 20' mounting height.  
 Classification: Unclassified (Type III, Very Short), Full

**KAD 400M R5S** Test no. 1194040801P

**ISOILLUMINANCE PLOT (Footcandle)**



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

**Notes**

- 1 Photometric data for other distributions can be accessed at [www.lithonia.com](http://www.lithonia.com).
- 2 Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications on this sheet are based on the most current available data and are subject to change without notice.
- 3 For electrical characteristics, consult outdoor technical data specification sheets on [www.lithonia.com](http://www.lithonia.com).

**Mounting Height Correction Factor**

(Multiply the fc level by the correction factor)

25 ft. = 0.64

35 ft. = 0.32

40 ft. = 0.25

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