

## 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: 70-150W is high reactance, high power factor. Constant wattage autotransformer for 200-400W. Metal halide: 70-150W is high reactance, high power factor and is standard with pulse-start ignitor technology. "SCWA" not required. Constant wattage autotransformer for 175-400W. Super CWA (pulse start ballast), 88% efficient and EISA legislation compliant, is required for metal halide 151-400W (SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside of the US. Pulse-start ballast (SCWA) required for 200W, 320W, or 350W. Ballast is 100% factory-tested.

Socket: Porcelain, horizontally oriented medium base socket for 70-150M. Mogul base socket for 175M 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: 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)

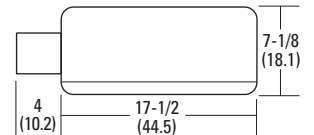
Width: 17-1/2" (44.5)

Depth: 7-1/8" (18.1)

All dimensions are inches (centimeters) unless otherwise specified.

\*Weight as configured in example below.

METAL HALIDE: 70-400W  
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

KAD	Wattage			Distribution		Voltage	Ballast	Mounting <sup>12</sup>	
<b>KAD</b>	Metal halide	High pressure sodium <sup>1</sup>	Ceramic metal halide	Standard reflectors	High performance reflectors <sup>8</sup>	120	(blank) Magnetic ballast	Ships in fixture carton	
	70M <sup>1,2</sup> <b>250M<sup>3</sup></b>	70S	70MHC <sup>1,2</sup>	R2 IES type II asymmetric <sup>7</sup>	SR2 IES type II asymmetric <sup>7</sup>	208 <sup>9</sup>	CWI Contant wattage isolated <sup>11</sup>	<b>SPD</b> Square pole	Arm length
	100M <sup>1</sup> 320M <sup>4</sup>	100S	100MHC <sup>1</sup>	R3 IES type III asymmetric <sup>7</sup>	SR3 IES type III asymmetric <sup>7</sup>	240 <sup>9</sup>	<b>Pulse Start</b> <b>SCWA</b> Super CWA pulse-start ballast	RPD Round pole	<b>04</b> 4" arm
	150M 350M <sup>3,4</sup>	150S	150MHC	R4 IES type IV forward throw <sup>7</sup>	SR4SC IES type IV forward throw	277	NOTE: For shipments to U.S. territories, SCWA must be specified to comply with EISA.	WBD Wall bracket	06 6" arm
	175M <sup>3</sup> <b>400M<sup>5,6</sup></b>	250S		R55 IES type V square		347		WWD Wood or pole wall	09 9" arm
	200M <sup>4</sup>	400S				480 <sup>9</sup>		Ships separately <sup>13,14</sup>	
						TB <sup>10</sup>		DAD12P Degree arm (pole)	12 12" arm
						23050HZ <sup>11</sup>		DAD12WB Degree arm (wall)	
								WBA Decorative wall bracket <sup>15</sup>	
								KMA Mast arm external fitter	
								KTMB Twin mounting bar	

Options				Finish <sup>20</sup>			Lamp <sup>21</sup>
Shipped installed in fixture		CSA CSA Certified	PE3 NEMA twist-lock PE (347V)	(blank) Dark bronze	DNAXD Natural aluminum	LPI Lamp included	
SF Single fuse (120, 277, 347V) <sup>16</sup>		INTL Available MH for probe start shipping outside the U.S.	PE4 NEMA twist-lock PE (480V)	DWH White	DWHXD White	L/LP Less lamp	
DF Double fuse (208, 240, 480V) <sup>16</sup>		REGC1 California Title 20, effective 1/1/2010	PE7 NEMA twist-lock PE (277V)	DBL Black	DBBTD Textured dark bronze		
PD Power tray <sup>17</sup>		Shipped separately <sup>13</sup>	SC Shorting cap for PER option	DMB Medium bronze	DBLBXD Textured black		
PER NEMA twist-lock receptacle only (no photocontrol)		HS House side shield	VG Vandal guard <sup>19</sup>	DNA Natural aluminum	DNATXD Textured natural aluminum		
QRS Quartz restrike system <sup>18</sup>		PE1 NEMA twist-lock PE (120, 208, 240V)	WG Wire guard <sup>19</sup>	Super Durable Finishes			
QRSTD QRS time delay <sup>18</sup>				DDBXD Dark bronze	DWHGXD Textured white		
WTB Terminal wiring block <sup>17</sup>				DBLXD Black			

**Accessories: Tenon Mounting Slipfitter (RPxx 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>22</sup>	T20-320 <sup>22</sup>	T20-390 <sup>22</sup>	T20-490 <sup>22</sup>	
2-7/8"	T25-190	T25-280	T25-290 <sup>22</sup>	T25-320	T25-390 <sup>22</sup>	T25-490 <sup>22</sup>	
4	T35-190	T35-280	T35-290 <sup>22</sup>	T35-320	T35-390 <sup>22</sup>	T35-490 <sup>22</sup>	

**Notes**

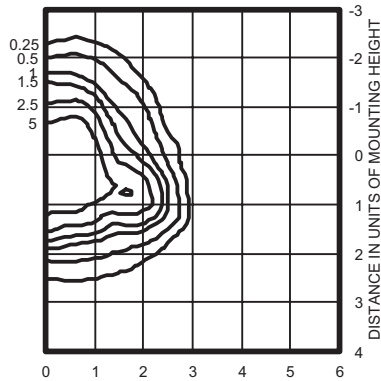
- Not available with SCWA.
- Not available with 480V.
- These wattages do not comply with California Title 20 regulations.
- Must be ordered with SCWA.
- These wattages require the REGC1 option to be chosen for shipments into California for Title 20 compliance. 250M REGC1 is not available in 347 or 480V.
- Reduced jacket ED28 required for SR2, SR3 and SR4SC optics.
- 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" 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.
- Available with SPD04 and SPD09.
- 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.

# KAD Metal Halide, Arm-mounted Soft Square Cutoff

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

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

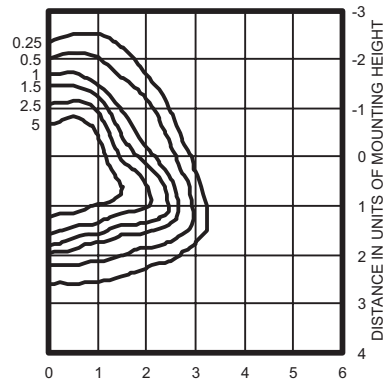
**ISOILLUMINANCE PLOT (Footcandle)**



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

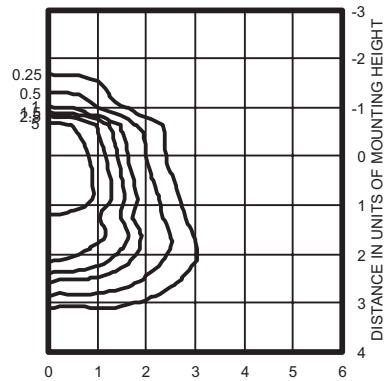
**ISOILLUMINANCE PLOT (Footcandle)**



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

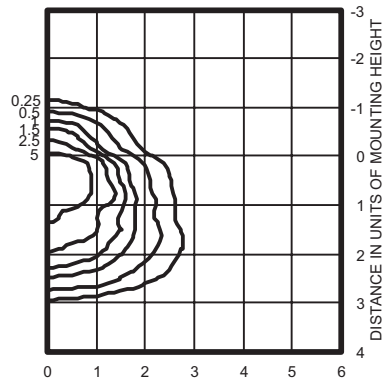
**ISOILLUMINANCE PLOT (Footcandle)**



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

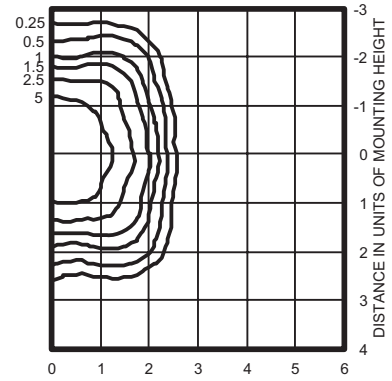
**ISOILLUMINANCE PLOT (Footcandle)**



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

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