LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

CONTOUR SERIES

Soft Square Lighting

KAD

Specifications

EPA: 1.2 ft.[2]

*Weight: 35.9 lbs (16.28 kg)

Length: 17-1/2 (44.5)

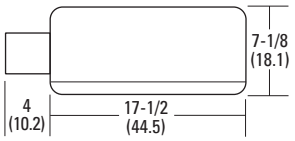
Width: 17-1/2" (44.5)

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



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 R5S (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.

Specifications subject to change without notice.

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

Example: KAD 400M R3 TB SCWA SPD04 LPI

KAD									
Series	**Wattage**			**Distribution**		**Voltage**	**Ballast**	**Mounting**[12]	
KAD	Metal halide 70M[1,2] **250M**[5] 100M[1] 320M[4] 150M 350M[3,4] 175M[3] **400M**[5,6] 200M[4]	High pressure sodium[1] 70S 100S 150S **250S** **400S**	Ceramic metal halide 70MHC[1,2] 100MHC[1] 150MHC	Standard reflectors R2 IES type II asymmetric[7] **R3** IES type III asymmetric[7] **R4** IES type IV forward throw[7] R5S IES type V square	High performance reflectors[8] SR2 IES type II asymmetric[7] SR3 IES type III asymmetric[7] SR4SC IES type IV forward throw	120 208[9] 240[9] **277** **347** **480**[9] **TB**[10] 23050HZ[11]	(blank) Magnetic ballast CWI Contant wattage isolated[11] Pulse Start SCWA **SCWA** Super CWA pulse-start ballast NOTE: For shipments to U.S. territories, SCWA must be specified to comply with EISA.	Ships in fixture carton **SPD**___ Square pole RPD___ Round pole WBD___ Wall bracket WWD___ Wood or pole wall Ships separately[13,14] DAD12P Degree arm (pole) DAD12WB Degree arm (wall) WBA Decorative wall bracket[15] KMA Mast arm external fitter KTMB Twin mounting bar	Arm length **04** 4" arm 06 6" arm **09** 9" arm 12 12" arm

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

NIGHTTIME FRIENDLY™
Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

Notes

1 Not available with SCWA.
2 Not available with 480V.
3 These wattages do not comply with California Title 20 regulations.
4 Must be ordered with SCWA.
5 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.
6 Reduced jacket ED28 required for SR2, SR3 and SR4SC optics.
7 House-side shield available.
8 High performance reflectors not available with QRSTD.
9 Must specify CWI for use in Canada.
10 Optional multi-tap ballast (120, 208, 240, 277V; in Canada: 120, 277, 347V).
11 Consult factory for available wattages.
12 9" arm is required when two or more luminaires are oriented on a 90° drilling pattern.
13 May be ordered as an accessory.
14 Must specify finish when ordered as an accessory.
15 Available with SPD04 and SPD09.
16 Must specicy voltage. N/A with TB.
17 Only available with SR2, SR3 and SR4SC optics.
18 Max allowable wattage lamp included.
19 Prefix with KAD when ordered as an accessory.
20 See www.lithonia.com/archcolors for additional color options.
21 Must be specified. L/LP not available with MHC.
22 Must use RPD09.

Accessories: Tenon Mounting Slipfitter *(RPxx required.)*
Order as seperate catalog number. Must be used with pole mounting.

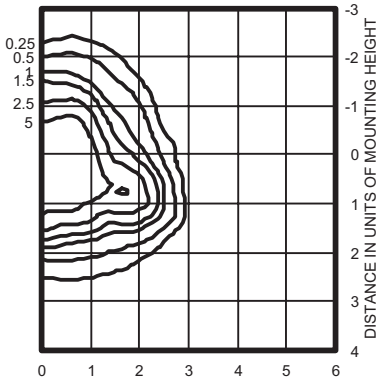
	Number of fixtures					
Tenon O.D.	One	Two@180°	Two@90°	Three@120°	Three@90°	Four@90°
2-3/8"	T20-190	T20-280	T20-290[22]	T20-320[22]	T20-390[22]	T20-490[22]
2-7/8"	T25-190	T25-280	T25-290[22]	T25-320	T25-390[22]	T25-490[22]
4	T35-190	T35-280	T35-290[22]	T35-320	T35-390[22]	T35-490[22]

KAD Metal Halide, Arm-mounted Soft Square Cutoff

Coefficient of Utilization ———
Initial Footcandles ———

KAD 400M R2 Test no. 1193083101P

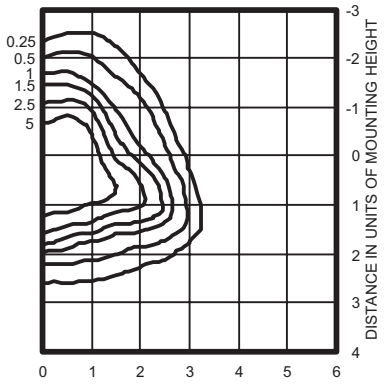
ISOILLUMINANCE PLOT (Footcandle)



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

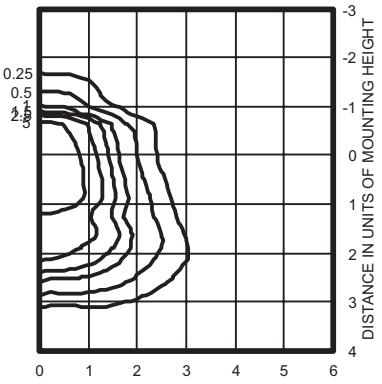
ISOILLUMINANCE PLOT (Footcandle)



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

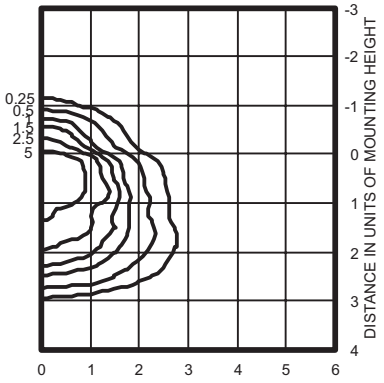
ISOILLUMINANCE PLOT (Footcandle)



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

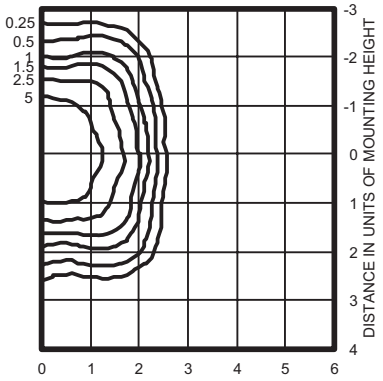
ISOILLUMINANCE PLOT (Footcandle)



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.

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.

Mounting Height Correction Factor

(Multiply the fc level by the correction factor)

25 ft. = 0.64
35 ft. = 0.32
40 ft. = 0.25

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

OUTDOOR: One Lithonia Way Conyers, GA 30012 Phone: 770.922.9000 Fax: 770-918-1209 www.lithonia.com