

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. Extruded 4" soft corner arm for pole or wall mounting is standard. Die-cast door frame has impact-resistant, tempered, glass lens that is fully gasketed with one-piece tubular silicone.

Strut: Aluminum tension rod provided as an architectural element. Not designed as a weight-supporting device. Fixture mounts 11.27" lower on the pole.

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). Segmented 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.

Note: Specifications subject to change without notice.

Catalog Number
Notes
Type



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.

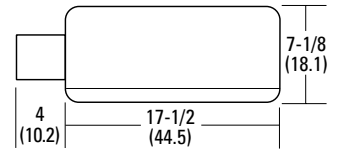
*Weight configured as in example below.

CONTOUR
SERIES

Soft Square Lighting

KADT

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



ORDERING INFORMATION

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

Example: KADT 400M R3 TB SCWA SPD04 LPI

KADT		Wattage		Distribution		Voltage	Ballast	Mounting	
KADT	Metal halide	High pressure sodium¹	Ceramic metal halide	Standard reflectors	High performance reflectors⁸	120	(blank) Magnetic ballast	Type	Arm length
	70M ^{1,2} 250M³	100M ¹ 320M ⁴	70MHC ^{1,2}	R2 IES type II asymmetric ⁷	SR2 IES type II asymmetric ⁷	208 ⁹	CWI Contant wattage isolated ¹¹	SPD Square pole	04 4" arm
	150M 350M ^{3,4}	100S	100MHC ¹	R3 IES type III asymmetric ⁷	SR3 IES type III asymmetric ⁷	240 ⁹	Pulse Start	WBD Wall bracket	
	175M ³ 400M^{5,6}	150S	150MHC	R4 IES type IV forward throw ⁷	SR4SC IES type IV forward throw	277	SCWA Super CWA pulse-start ballast		
	200M ⁴	250S		R55 IES type V square		347	NOTE: For shipments to U.S. territories, SCWA must be specified to comply with EISA.		
		400S				480 ⁹			
						TB ¹⁰			
						23050HZ ¹¹			

Options		Finish ¹⁷	Lamp ¹⁸
Shipped installed in fixture		(blank) Dark bronze	LPI Lamp included
SF Single fuse (120, 277, 347V) ¹²	WTB Terminal wiring block ¹³	DWH White	L/LP Less lamp
DF Double fuse (208, 240, 480V) ¹²	HS House side shield (R3, R4, R5)	DBL Black	
PD Power tray ¹³	CSA CSA Certified	DMB Medium bronze	
PER NEMA twist-lock receptacle only (no photocontrol)	INTL Available MH for probe start shipping outside the U.S.	DNA Natural aluminum	
QRS Quartz restrick system ¹⁰	REGC1 California Title 20, effective 1/1/2010		
QRSTD QRS time delay ^{11,14}			
	Shipped separately¹⁵		
	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 ¹⁶		
	WG Wire guard ¹⁶		

KADT Suspend has a unique drilling template that requires a KADT drilling pattern to be specified when ordering poles. See example below.
Example: SSA 20 4C DM19KADT DDB
KADT Drilling Pattern
DM19KADT 1 at 90 degrees
DM28KADT 2 at 180 degrees

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.
- Must specify voltage. N/A with TB.
- Only available with SR2, SR3, and SR4SC optics.
- Max allowable wattage lamp included.
- May be ordered as an accessory.
- Prefix with KAD when ordered as an accessory.
- See www.lithonia.com/archcolors for additional color options.
- Must be specified. Ceramic metal halide (MHC) not available with L/LP.

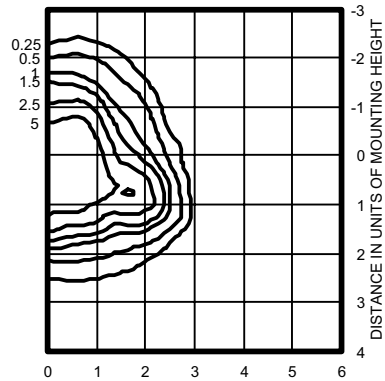


KADT Metal Halide, Arm-mounted Soft Square Cutoff

Coefficient of Utilization _____
 Initial Footcandles _____

KAD 400M R2 Test no. 1193083101P

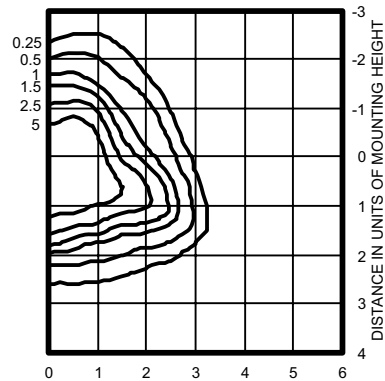
ISOILLUMINANCE PLOT (Footcandle)



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

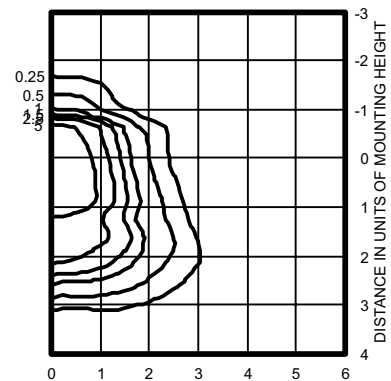
ISOILLUMINANCE PLOT (Footcandle)



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

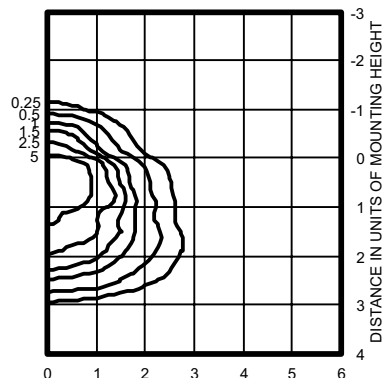
ISOILLUMINANCE PLOT (Footcandle)



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

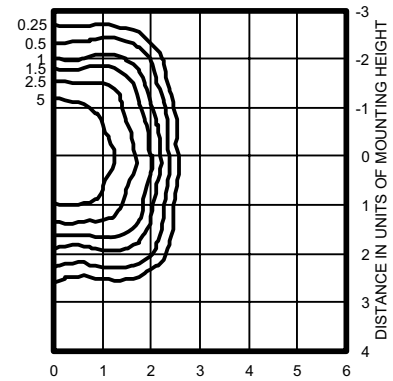
ISOILLUMINANCE PLOT (Footcandle)



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

Mounting Height Correction Factor

(Multiply the fc level by the correction factor)

25 ft. = 0.64

35 ft. = 0.32

40 ft. = 0.25

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

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.