

# KAR



## Arm-Mounted Centriform Cutoff

### Intended Use

For parking lots, plazas or entrances.

### Features

**Housing** – Rugged, heavy-gauge, spun-aluminum housing in centriform shape. Dark bronze polyester corrosion-resistant powder finish (DDB) standard; other architectural colors available.

**Door Frame** – Aluminum door frame with 1/8" impact-resistant, tempered-glass lens. Stainless steel external hardware. One-piece EPT closed-cell gasket.

**Mounting** – Contoured, extruded-aluminum 9" (KAR1/ KAR2) and 12" (KAR3) arms with integral splice compartment for pole or wall mounting. Optional mountings available.

**Optics** – Anodized, hydroformed aluminum reflectors. Four cutoff distributions available: R2 (Roadway), R3 (Asymmet-

ric), R4 (Forward Throw) and R5S (Symmetric). R4 reflector is field-rotatable. Reflectors hinge out for easy installation and maintenance.

**Electrical** – 150S, 100-150M high reactance, high-power factor ballast. Constant-wattage autotransformer ballast, copper wound and 100% factory tested. Removable power door and positive-locking disconnect plugs.

**Socket** – Horizontally oriented mogul-base porcelain socket (100M & 150M are medium-base) with copper alloy, nickel-plated screw shell and center contact. UL listed 1500W-600V. 4KV pulse rated.

**Listings** – UL Listed (standard). CSA Certified (see Options). UL listed for wet locations.

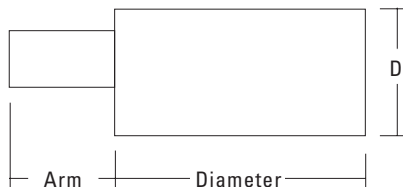
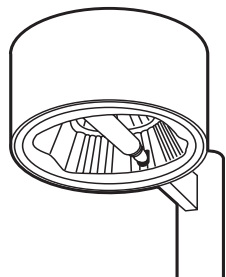
## Ordering Information

Example: **KAR3 1000S R4 120 RPD12 QRS**

Designation	Distribution	Voltage	Mounting	Options/Accessories
<u>High Pressure Sodium</u>	<b>R2</b> Type II roadway (n/a 1000S)	<b>120</b>	<u>KAR1/KAR2, shipped separately</u>	<u>Installed</u>
<b>KAR1 150S</b>		<b>208<sup>2</sup></b>	<b>SPD09</b> 9" square pole arm	<b>SF</b> Single fuse, 120V, 277V, 347V (n/a TB)
<b>KAR2 250S</b>	<b>R3</b> Type III asymmetric	<b>240<sup>2</sup></b>	<b>RPD09</b> 9" round pole arm	<b>DF</b> Double fuse, 208V, 240V, 480V (n/a TB)
<b>KAR2 400S</b>	<b>R4</b> Type IV forward throw, (n/a size 1)	<b>277</b>	<b>WWD09</b> 9" wood pole or wall	<b>PER</b> NEMA twist-lock receptacle only (no photocontrol)
<b>KAR3 1000S</b>	<b>R5S</b> Type V symmetric square (n/a size 1)	<b>347</b>	<b>WBD09</b> 9" wall bracket	<b>QRS</b> Quartz restrike system (250W max, 120V lamp not included)
<u>Metal Halide</u>		<b>480<sup>2</sup></b>	<u>KAR3, shipped separately</u>	<b>CR</b> Enhanced corrosion resistance
<b>KAR1 100M</b>		<b>TB<sup>3</sup></b>	<b>SPD12</b> 12" square pole arm	<b>EC</b> Emergency circuit
<b>KAR1 150M</b>			<b>RPD12</b> 12" round pole arm	<b>HS</b> House-side shield (R3, R4 only)
<b>KAR1 175M</b>			<b>WWD12</b> 12" wood pole or wall	<b>SCWA</b> Super CWA pulse start ballast (n/a with HPS, 100M, 175M or 1000M)
<b>KAR1 200M<sup>1</sup></b>			<b>WBD12</b> 12" wall bracket	<b>CSA</b> CSA Certified
<b>KAR1 250M</b>			<u>Shipped separately</u>	For optional architectural colors, see page 485.
<b>KAR2 320M<sup>1</sup></b>			<b>KMA</b> Mast arm adapter	<u>Shipped separately</u>
<b>KAR2 350M<sup>1</sup></b>			<b>KTMB</b> Twin mounting bar	<b>PE1</b> NEMA twist-lock PE (120V-240V) <sup>4</sup>
<b>KAR2 400M</b>			<b>DAD12P</b> Degree arm (pole)	<b>PE3</b> NEMA twist-lock PE (347V) <sup>4</sup>
<b>KAR3 1000M</b>			<b>DAD12WB</b> Degree arm (wall)	<b>PE4</b> NEMA twist-lock PE (480V) <sup>4</sup>
				<b>PE7</b> NEMA twist-lock PE (277V) <sup>4</sup>
				<b>SC</b> Shorting cap for PER option
				<b>VG</b> Vandal guard (KAR1/2 below 400W )
				For tenon slipfitters, see page 486.

Dimensions are shown in inches (centimeters) unless otherwise noted.

	KAR1	KAR2	KAR3
EPA <sup>5</sup>	1.2 ft <sup>2</sup> (.11 m <sup>2</sup> )	1.5 ft <sup>2</sup> (.14 m <sup>2</sup> )	2.2 ft <sup>2</sup> (.20 m <sup>2</sup> )
Diameter	19 1/2 (49.5)	21 1/2 (54.6)	30 (75.6)
Width	16 3/16 (41.1)	18 1/2 (47.0)	24 5/16 (61.8)
Height	7 1/4 (18.4)	8 5/16 (21.1)	10 1/2 (26.7)
Arm length	9 (22.9)	9 (22.9)	12 (30.5)
Max. weight	36 lbs (15.0 kg)	45 lbs (20.0 kg)	53 lbs (24.0 kg)



### NOTES:

- 1 Must be ordered with SCWA.
- 2 Consult factory for availability in Canada.
- 3 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- 4 PER must be ordered with fixture.
- 5 Includes mounting arm.