

KVE



Architectural Square Vertical

Intended Use

For streets, parking lots and surrounding areas.

Features

Housing – Square-shaped, rugged, heavy-gauge, extruded aluminum housing. Fully gasketed for weather-tight integrity. Standard finish is dark bronze (DDB) corrosion-resistant polyester powder. Other architectural colors available.

Lens – Impact-resistant, clear, 3/16" thick, tempered drop lens.

Mounting – Extruded aluminum arm with integral splice compartment for wall or pole mounting is shipped in fixture carton. Optional mountings available.

Optics – Segmented, anodized aluminum optics are interchangeable and rotatable. Vertically lamped sealed optics include

symmetric, symmetric cutoff, asymmetric and asymmetric cutoff. Design redirects light around arc-tube for optimum lamp life and maximum efficiency. Five horizontal lamp cutoff distributions available: R2 (Roadway), R3 (Asymmetric), R4SC (Forward Throw, Sharp Cutoff), R4W (Wide, Forward Throw) and R5S (Symmetric).

Electrical – Constant-wattage autotransformer, high-power factor ballast. Ballast is copper wound and 100% factory tested. Removable power tray and positive locking disconnect plug.

Socket – Mogul-base porcelain socket with copper alloy, nickel-plated screw shell and center contact. UL listed 1500W, 600V.

Listings – UL Listed (standard). CSA Certified or NOM Certified (see Options). UL listed for wet locations. US patent no. D417,026.

Ordering Information

Example: **KVE2 250S SYM 120 RPV06 SF**

Designation	Distribution	Mounting ⁶	Options/Accessories
High Pressure Sodium	Vertical lamp distributions:	Included	Installed
KVE2 250S	SYM Symmetric, semi-cutoff ²	SPV04 4" square pole arm ^{7,8} (standard)	SF Single fuse, 120V, 277V, 347V (n/a TB)
KVE2 400S	SYMC Symmetric, full-cutoff (n/a 1000S)	SPV06 6" square pole arm ^{7,8}	DF Double fuse, 208V, 240V, 480V (n/a TB)
KVE3 1000S	ASY Asymmetric, semi-cutoff	SPV09 9" square pole arm ^{7,8}	PER NEMA twist-lock receptacle only (no photocontrol)
	ASYS Asymmetric, full-cutoff	SPV12 12" square pole arm ⁸	QRS Quartz restrike system (250W max., 120V only, lamp not included)
Metal Halide	Horizontal lamp distributions:	SPV14 14" square pole arm	CR Enhanced corrosion resistance
KVE2 175M	R2 Type II roadway (n/a 1000S) ³	RPV04 4" round pole arm ^{7,8}	EC Emergency circuit
KVE2 200M¹	R3 Type III asymmetric (n/a 1000S) ³	RPV06 6" square pole arm ^{7,8}	HS House-side shield (ASY, ASYC only. R2, R3 shipped separately)
KVE2 250M	R4SC Type IV forward throw, sharp cutoff (n/a 1000S) ³	RPV09 9" round pole arm ^{7,8}	SCWA Super CWA pulse start ballast (n/a with any HPS or 175M or 1000M horizontal)
KVE2 320M^{1,3}	R4W Type IV forward throw (1000M only) ³	RPV12 12" square pole arm ⁸	LS Lamp support (size 3 horizontal optics only)
KVE2 350M^{1,3}		RPV14 14" square pole arm	CSA CSA Certified
KVE2 400M³		WWV09 9" wood pole or wall	NOM NOM Certified (consult factory)
KVE3 1000M	R5S Type V symmetric square (1000M)	WBV09 9" wall bracket	For optional architectural colors, see page 485.
		Shipped separately	Shipped separately
		PT4 Posttop, 4" OD open-top pole	PE1 NEMA twist-lock PE (120-240V)
		PT45 Posttop, 4 1/2" OD open-top pole	PE3 NEMA twist-lock PE (347V)
		PT5 Posttop, 5" OD open-top pole	PE4 NEMA twist-lock PE (480V)
		PT6 Posttop, 6" OD open-top pole	PE7 NEMA twist-lock PE (277V)
		RPF20 Round pole fitter (2 3/8" OD tenon)	SC Shorting cap for PER option
		RPF25 Round pole fitter (2 7/8" OD tenon)	
		SPF20 Square pole fitter (2 3/8" OD tenon)	
		SPF25 Square pole fitter (2 7/8" OD tenon)	

- NOTES:
- 1 Must be ordered with SCWA.
 - 2 Meets IES cutoff criteria for 1000W high pressure sodium luminaire.
 - 3 320W, 350W, 400W MH requires ED28 lamp; 1000W MH requires BT37 lamp. Not available with KVE3 1000S.
 - 4 Consult factory for availability in Canada.
 - 5 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
 - 6 For arm mounting, see technical data section in Outdoor binder for drilling template.
 - 7 For KVE2 luminaires, SPV12, RPV12, SPV14 or RPV14 must be used when two or more luminaires oriented on a 90° drilling pattern.
 - 8 For KVE3 luminaires, SPV14 or RPV14 must be used when two or more luminaires oriented on a 90° drilling pattern.

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

	KVE2 (arm)	KVE2 (post)	KVE3 (arm)	KVE3 (post)
EPA	3.3 ft ² (.31 m ²)	3.4 ft ² (.32 m ²)	4.2 ft ² (.39 m ²)	4.5 ft ² (.42 m ²)
Square	25 (63.5)	25 (63.5)	29 (73.7)	29 (73.7)
Height	16 3/4 (42.5)	23 7/8 (60.6)	18 1/2 (47.0)	18 1/2 (47.0)
Max. weight	77 lbs (34.9 kg)	87 lbs (39.5 kg)	87 lbs (39.5 kg)	97 lbs (44.0 kg)

