

Architectural Square Vertical

Intended Use

For streets, parking lots and surrounding areas.

Features

Housing – Square-shaped, rugged, heavygauge, extruded aluminum housing. Fully gasketed for weather-tight integrity. Standard finish is dark bronze (DDB) corrosionresistant 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 High Pressure Vertical lamp distributions: <u>Sodium</u> SYM Symmetric, semi-cutoff² KVE2 250S SYMC Symmetric, full-cutoff (n/a 1000S) KVE2 400S **ASY** Asymmetric, semi-cutoff **KVE3 1000S** ASYC Asymmetric, full-cutoff Metal Halide **Horizontal lamp distributions:** KVE2 175M R2 Type II roadway (n/a 1000S)3 KVE2 200M¹ R3 Type III asymmetric (n/a 1000S)³ KVE2 250M R4SC Type IV forward throw, sharp KVE2 320M^{1,3} cutoff (n/a 1000S)3 350M^{1,3} Type IV forward throw KVE2 R4W KVE2 400M³ (1000M only)3 KVE3 1000M R5S Type V symmetric square (1000M

Voltage

120, 208⁴, 240⁴, 277, 347, 480⁴, TB⁵

NOTES:

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

Mounting⁶

<u>Included</u>	
SPV04	4" square pole arm ^{7,8}
	(standard)
SPV06	6" square pole arm ^{7,8}
SPV09	9" square pole arm ^{7,8}
SPV12	12" square pole arm ⁸
SPV14	14" square pole arm
RPV04	4" round pole arm ^{7,8}
RPV06	6" square pole arm ^{7,8}
RPV09	9" round pole arm ^{7,8}
RPV12	12" square pole arm8

RPV14 14" square pole arm

WWV09 9" wood pole or wall WBV09 9" wall bracket

Shipped separately

PT4	Posttop, 4" OD open
	top pole
PT45	Posttop, 4 ¹ / ₂ "
	OD open-top pole
PT5	Posttop, 5" OD open
	top pole

PT6 Posttop, 6" OD opentop pole

RPF20 Round pole fitter $(2^3/8 \text{ OD tenon})$

RPF25 Round pole fitter $(2^7/8 \text{ OD tenon})$

SPF20 Square pole fitter $(2^3/8$ OD tenon)

SPF25 Square pole fitter $(2^7/8$ OD tenon)

Options/Accessories

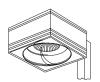
<u>Installed</u>

- Single fuse, 120V, 277V, 347V (n/a TB) SF
- Double fuse, 208V, 240V, 480V (n/a TB)
- PER NEMA twist-lock receptacle only (no photocontrol)
- QRS Quartz restrike system (250W max., 120V only, lamp not included)
- Enhanced corrosion resistance
- Emergency circuit
- House-side shield (ASY, ASYC only. R2, R3 shipped separately)
- SCWA Super CWA pulse start ballast (n/a with any HPS or 175M or 1000M horizontal)
 - Lamp support (size 3 horizontal optics only)
- **CSA CSA** Certified
- NOM Certified (consult factory)

For optional architectural colors, see page 485.

Shipped separately

- PE1 NEMA twist-lock PE (120-240V) PE3 NEMA twist-lock PE (347V)
- PE4 NEMA twist-lock PE (480V)
- PE7 NEMA twist-lock PE (277V) SC Shorting cap for PER option





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

Square Heiaht Max. weight

KVE2 (arm) 3.3 ft2 (.31 m2) 25 (63.5) 16³/₄(42.5) 77 lbs (34.9 kg)

KVE2 (post) 3.4 ft² (.32 m²) 25 (63.5) $23^{7}/_{8}(60.6)$ 87 lbs (39.5 kg)

KVE3 (arm) 4.2 ft2 (.39 m2) 29 (73.7) $18^{1}/_{2}(47.0)$ 87 lbs (39.5 kg)

KVE3 (post) 4.5 ft2 (.42 m2) 29 (73.7) $18^{1}/_{2}(47.0)$ 97 lbs (44.0 kg)