

KSF

Spec-Form®



Architectural Arm-Mounted Cutoff

Intended Use

For car lots, street lighting or parking areas.

Features

Housing – Rugged, heavy-gauge, aluminum rectilinear housing. All seams continuously welded for weathertight integrity. Dark bronze corrosion-resistant polyester powder finish (DDB) standard. Other architectural colors available

Door Frame – Natural, anodized, extruded aluminum frame with mitered corners, retained with two hinge pins and secured with one quarter-turn, quick-release fastener. Integrally designed, extruded silicone gasket provides weatherproof seal between housing and frame.

Lens – .125" thick, impact-resistant tempered glass with thermally applied, silk-screened power door shield.

Mounting – Extruded 4" (KSF1, KSF2) or 12" (KSF3) aluminum arm for square pole mounting shipped in fixture carton as standard. Optional Mountings available.

Optics – Anodized segmented reflectors provide superior uniformity and control. KSF1/KSF2 reflectors are rotatable and interchangeable. KSF3 Type IV are only rotatable but not interchangeable. Five cutoff distributions available: R2 (Roadway), R3 (Asymmetric), R4SC (Forward Throw, Sharp Cutoff), R4W (Wide, Forward Throw), R5S (Square).

Electrical – High reactance, high power factor for 150W and below. Constant wattage autotransformer for 175W and above. Copper wound and 100% factory tested. Removable power door and positive-locking disconnect plugs.

Socket – Porcelain, horizontally oriented, mogul-base socket (100M & 150M are medium-base) with copper alloy, nickel-plated screw shell and center contact. UL listed 1500W, 600V.

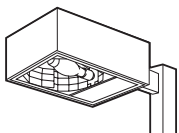
Listings – UL Listed (standard). CSA Certified or NOM Certified (see Options). UL listed for wet locations.

Ordering Information

Designation	Distribution
<u>High Pressure Sodium</u>	
KSF1 70S	R2 Type II roadway (sizes 1 & 2 only)
KSF1 100S	R3 Type III asymmetric
KSF1 150S	R4 Type IV forward throw (size 3 only)
KSF2 250S	R4SC Type IV forward throw, sharp cutoff (sizes 1 & 2 only)
KSF2 400S	
KSF3 1000S	
<u>Metal Halide</u>	
KSF1 100M	R4W Type IV wide, forward throw (size 2 only)
KSF1 150M	
KSF1 175M	R5S Type V square (sizes 2 & 3 only)
KSF1 200M¹	
KSF1 250M	
KSF2 320M^{1,2}	
KSF2 350M^{1,2}	
KSF2 400M²	
KSF3 1000M³	

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

	KSF1	KSF2	KSF3
EPA ¹¹	1.5 ft ² (.14 m ²)	2.0 ft ² (.19 m ²)	3.0 ft ² (.28 m ²)
Length	22 (55.9)	25 ^{5/16} (64.3)	30 ^{5/16} (77.0)
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)
Max. weight	39 lbs (17.7 kg)	55 lbs (24.9 kg)	85 lbs (38.6 kg)



Voltage	Mounting	Options/Accessories
120	<u>Included, KSF1/KSF2</u>	<u>Installed</u>
208⁴	SP04 4" square pole arm ⁶ (std.)	SF Single fuse, 120V, 277V, 347V (n/a TB)
240⁴	SP09 9" square pole arm	DF Double fuse, 208V, 240V, 480V (n/a TB)
277	RP04 4" round pole arm ⁶	PER NEMA twist-lock receptacle only (no photocontrol)
347	RP09 9" round pole arm	QRS Quartz restrike system (75W max in KSF1, not to exceed HID wattages on size 2; 250W max. on KSF3, 120V lamp not included) ⁹
480⁴	RP09 9" round pole arm	CR Enhanced corrosion resistance
TB⁵	WW04 4" wood pole or wall ⁶	EC Emergency circuit
	WW09 9" wood pole or wall	SCWA Super CWA pulse start ballast (n/a with HPS, 100M, 175M)
	WB04 4" wall bracket	CSA CSA Certified
	WB09 9" wall bracket	NOM NOM Certified (consult factory)
	MB Mounting bracket	<small>For optional architectural colors, see page 485.</small>
	L/ARM When ordering KMA or DA12	<u>Shipped Separately</u>
	<u>Included, KSF3⁷</u>	PE1 NEMA twist-lock PE (120V-240V) ¹⁰
	SP12 12" square pole arm (std.)	PE3 NEMA twist-lock PE (347V) ¹⁰
	RP12 12" round pole arm	PE4 NEMA twist-lock PE (480V) ¹⁰
	WW12 12" wood pole or wall	PE7 NEMA twist-lock PE (277V) ¹⁰
	WB12 12" wall bracket	SC Shorting cap for PER option
	<u>Shipped separately⁸</u>	KSF_HS House-side shield (KSF1/KSF2: R2 and R3 only. KSF3 - R3 and R4 only)
	KMA Mast arm adapter	KSF_VG Vandal guard (KSF1/KSF2 only)
	KTMB Twin mounting bar	<small>For tenon slipfitters, see page 486.</small>
	DA12P Degree arm (pole)	
	DA12WB Degree arm (wall)	

NOTES:

- Must be ordered with SCWA.
- Must use ED28 lamp.
- Must use BT37 lamp.
- Consult factory for availability in Canada.
- Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
- Use 9" arm when mounting two luminaires at 90°.
- Use 12" arm when mounting two luminaires at 90°.
- May be ordered as accessory.
- QRSTD available in select wattages. Consult factory.
- PER option must be ordered with fixture.
- Includes mounting arm.

Example: KSF1 150S R2 120 SP09 PER