

PRODUCT INFORMATION

# KSF

Spec-Form®



**Intended Use**  
For car lots, street lighting or parking areas.

**Construction**  
Housing: Rugged, heavy-gauge, aluminum rectilinear housing. All seams continuously welded for weathertight integrity.

Doorframe: 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.

Finish: Dark bronze polyester powder finish standard. Additional architectural colors available; see [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors).

**Optics**  
Optics: Anodized segmented reflectors provide superior uniformity and control. KSF1/KSF2 reflectors are rotatable and interchangeable. KSF3 Type IV is rotatable. Five cut-off distributions available: R2 (roadway), R3 (asymmetric), R4SC (forward throw, sharp cutoff), R4W (wide, forward throw), R5S (square).

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

**Electrical**  
Electrical components mounted to heavy-gauge plate to maximize heat dissipation and structural integrity. Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer 175W and above. MH: 150W and below are standard with pulse-start ignitor technology. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-400W (must order SCWA option) for U.S. shipments only. CSA, NOM or INTL required for probe start shipments outside the U.S.

Socket: Horizontally oriented, mogul-base porcelain socket for 175W and above, medium base for 150W and below, with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W-600V, 4KV pulse rated.

**Installation**  
Mounting: Extruded aluminum arm for square pole mounting shipped in fixture carton as standard. Optional mountings available.

**Listings**  
UL Listed (standard). CSA Certified or NOM Certified (see Options). UL Listed for 25°C ambient and wet locations. IP65 rated.



**ORDERING INFORMATION** For shortest lead times, configure products using **bolded options**. Example: KSF1 250S R3 TB SP09 LPI

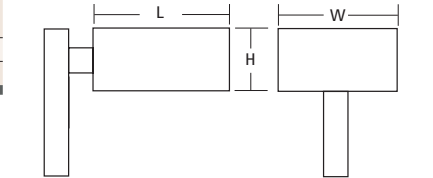
Series	Lamp type <sup>1</sup>	Distribution	Voltage	Ballast	Mounting			
KSF1	High pressure sodium <sup>2</sup>	<b>1000M</b> <sup>6</sup>	R2 Type II roadway <sup>8</sup>	120	<b>(blank)</b> Magnetic ballast	<b>Arm mounting</b>	WB09 9" arm for wall	Optional mounting, ships separately <sup>15, 16</sup>
KSF2	Metal halide	<b>R3</b>	Type III asymmetric	<b>208</b> <sup>11</sup>	CWI Constant wattage isolated <sup>13</sup>	<b>SP04</b> 4" arm for square pole <sup>14</sup>	WW09 9" arm for wood pole or wall	
KSF3	Metal halide ceramic <sup>7</sup>	<b>R4</b>	Type IV, FT <sup>9, 10</sup>	240 <sup>11</sup>	SCWA Super CWA ballast	RP04 4" arm for round pole <sup>14</sup>	SP12 12" arm for square pole	DA12P 12" degree arm for pole
	70S	<b>150M</b>	Type IV, FT, sharp cutoff <sup>8</sup>	<b>277</b>		WB04 4" arm for wall	RP12 12" arm for round pole	DA12WB 12" degree arm for wall
	100S	<b>175M</b> <sup>3</sup>	Type IV, FT, wide <sup>8, 9</sup>	<b>347</b>		WW04 4" arm for wood pole or wall	WB12 12" arm for wall	KTMB Twin mounting bar
	150S	<b>200M</b> <sup>4</sup>	Type V symmetric square <sup>9</sup>	<b>480</b> <sup>11</sup>		SP09 9" arm for square pole <sup>14</sup>	WW12 12" arm for wood pole or wall	
	<b>250S</b>	<b>250M</b>		<b>TB</b> <sup>12</sup>		RP09 9" arm for round pole <sup>14</sup>		
	<b>400S</b>	320M <sup>4, 5</sup>		23050HZ <sup>13</sup>				
	1000S	350M <sup>4, 5</sup>						
		<b>400M</b> <sup>5</sup>						

Options	Finish	Lamped
<b>Ships installed</b>	<b>(blank)</b> Dark bronze (std.)	<b>LPI</b> Lamp included
SF Single fuse, 120V, 277V, 347V	<b>DBL</b> Black	<b>L/LP</b> Less lamp
DF Double fuse, 208V, 240V, 480V	DGC Charcoal gray	
EC Emergency circuit <sup>17</sup>	DMB Medium bronze	
QRS Quartz restrrike system <sup>17</sup>	<b>DNA</b> Natural aluminum	
PER NEMA twist-lock receptacle only <sup>18</sup>	<b>DWH</b> White	
KW1 Kilowatch 120V control <sup>19</sup>	CR Enhanced corrosion resistance	
KW4 Kilowatch 277V control <sup>19</sup>	CRT Non-stick protective coating (black)	
<b>CSA</b> Meets Canadian standards		
NOM Meets Mexican standards (consult factory)		
INTL Available for MH probe start shipping outside the U.S.		
<b>Ships separately</b> <sup>15</sup>		
PE1 NEMA twist-lock PE (120V-240V)	SC Shorting cap for PER option	
PE3 NEMA twist-lock PE (347V)	HS House-side shield <sup>20</sup>	
PE4 NEMA twist-lock PE (480V)	VG Vandal guard <sup>20</sup>	
PE7 NEMA twist-lock PE (277V)		

**ADDITIONAL INFORMATION** For additional product information, visit [www.lithonia.com](http://www.lithonia.com).

CONFIGURATIONS		
SERIES	LAMP TYPE	DISTRIBUTION
KSF1	70S, 100S, 100M, 100MHC, 150S, 150M, 150MHC, 175M, 200M, 250M	R2, R3, R4SC
KSF2	250S, 320M, 350M, 400S, 400M	R2, R3, R4SC, R4W, R5S
KSF3	1000S, 1000M	R3, R4, R5S

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.



	KSF1	KSF2	KSF3
EPA:	1.5 ft <sup>2</sup> (0.14 m <sup>2</sup> )	2.0 ft <sup>2</sup> (0.19 m <sup>2</sup> )	3.0 ft <sup>2</sup> (0.28 m <sup>2</sup> )
Length:	21-1/4 (54.0)	24-5/8 (62.5)	29-5/8 (75.2)
Width:	15-1/2 (39.3)	17-3/4 (45.1)	23-5/8 (59.9)
Height:	7-1/4 (18.4)	8-3/8 (21.1)	10-1/2 (26.7)
Max. weight:	35 lbs (15.9 kg)	52 lbs (23.6 kg)	80 lbs (36.3 kg)

- Notes**
- Specify lamp type and distribution. See Configurations table.
  - Not available with SCWA.
  - Universal, mogul base lamp allows KSF to be available with SCWA.
  - Must be ordered with SCWA.
  - Must use ED28 lamp.
  - Must use BT37 lamp with R5S.
  - Not applicable with L/LP.
  - Not available KSF3.
  - Not available KSF1.
  - Not available KSF2.
  - Must specify CWI for use in Canada.
  - Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
  - Consult factory for available wattages.
  - KSF1, KSF2 must use 9" arm, KSF3 must use 12" arm when mounting two luminaires at 90°.
  - May be ordered as accessory.
  - Must specify finish.
  - Maximum allowable wattage lamp included.
  - Photocell not included.
  - Available with 150S, 250S and 400S only.
  - Prefix with fixture name and size. VG: KSF1VG, KSF2VG. HS: KSF1HS, KSF2HS (for use with R2 or R3); KSF3HS (for use with R3 or R4).