

FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for car lots, street lighting or parking areas.

CONSTRUCTION — Rugged, .063" thick, aluminum rectilinear housing. Formed for weather-tight seal and integrity. Naturally anodized, extruded aluminum door frame with mitered corners, is retained with two .188" diameter hinge pins and secured with one quarter-turn, quick-release fastener. Weatherproof seal between housing and door frame is accomplished with an integrally designed, extruded silicone gasket that snaps into the door frame, and another gasket applied to the housing.

Finish: Standard finish is dark bronze (DDB), polyester powder finish with other architectural colors available.

OPTICS — Reflectors are anodized and segmented for superior uniformity and control. Reflectors attach with tool-less fasteners and are rotatable and interchangeable. Three cutoff distributions available: Type II (roadway), Type III (asymmetric), Type IV (forward throw, sharp cutoff). Lens is .125" thick impact-resistant tempered glass with thermally applied silk-screened shield.

ELECTRICAL — Ballast: High pressure sodium: 70-150W is high-reactance, high power factor. Constant wattage autotransformer for 200-250W. Metal halide: 100-150W is high-reactance, high power factor and standard with pulse-start ignitor technology. "SCWA" not required. Constant wattage autotransformer for 175-250W. Super CWA (pulse start ballast), 88% efficient and EISA legislation compliant, is required for 151-200W (SCWA option) for U.S. shipments only. CSA or INTL required for probe-start shipments outside the U.S. Pulse-start ballast (SCWA) required for 200M.

Ballasts are 100% factory-tested.

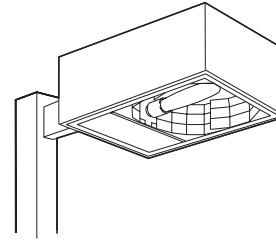
Socket is porcelain, horizontally mounted medium base socket for 70-150M and position-oriented mogul base socket for HPS and 175M-250M and above, with copper alloy, nickel-plated screw shell and center contact. UL listed 1500W-600V.

INSTALLATION — Extruded aluminum arm for pole or wall mounting is shipped in fixture carton. Optional mountings available.

LISTING — UL listed for wet locations. Listed and labeled to comply with Canadian standards (see Options).

Note: Specifications subject to change without notice.

Catalog Number
Notes
Type



Area Lighting KSF1

METAL HALIDE: 100-250W
HIGH PRESSURE SODIUM: 70-200W
15' to 25' Mounting

Specifications

EPA: 1.5 ft² (.14 m²)
(includes arm)

Length: 21-1/4 (54.0)

Width: 15-15/32 (39.3)

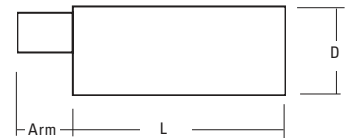
Depth: 7-1/4 (18.4)

Arm: 4 (10.2)

*Weight: 35 lbs (15.9 kg)

*Weight as configured in example below.

All dimensions are inches (centimeters) unless otherwise specified.



Mounting option	Drilling template
SPxx, RPxx, DA12P	5
WBxx, DA12WB	6
WWxx	7

ORDERING INFORMATION For shortest lead times, configure product using **bolded options**.

Example: KSF1 150S R3 TB SP04 LPI

Series	Wattage	Distribution	Voltage	Ballast	Mounting		
KSF1	Metal halide 100M ¹ 175M ² 200M ³ 150M 250M ⁴ Ceramic metal halide ⁵ 100MHC ¹ 150MHC High pressure sodium ¹ 70S ⁶ 100S 200S ⁶ 150S ⁶	R2 Type II roadway R3 Type III asymmetric R4SC Type IV forward throw, sharp cutoff	120 347 208 ⁷ 480 ⁷ 240 ⁷ TB ⁸ 277 23050HZ ⁹	(blank) Magnetic CWI Contant wattage isolated Pulse Start SCWA Super CWA pulse-start ballast NOTE: For shipments to U.S. territories, SCWA must be specified to comply with EISA.	Type SP ___ Square pole RP ___ Round pole WB ___ Wall bracket WW ___ Wood pole or wall bracket Arm length ¹⁰ 04 4" arm 06 6" arm 09 9" arm 12 12" arm Shipped separately DA12P Degree arm, pole DA12WB Degree arm, wall KMA Mast arm adapter KTMB Twin mounting bar		
Options					Finish ¹⁶	Lamp ¹⁸	
Shipped installed in fixture		EC Emergency circuit ¹¹	Shipped separately ¹³		(blank) Dark bronze DWH White DBL Black DMB Medium bronze DNA Natural aluminum	CR Corrosion resistant finish CRT Non-stick protective coating ¹⁷	LPI Lamp included L/LP Less lamp
PER NEMA twist-lock receptacle only (no photocontrol)	CSA CSA Certified	PE1 NEMA twist-lock PE (120, 208, 240V)					
SF Single fuse (120, 277, 347V) n/a TB	NOM NOM Certified ⁸	PE3 NEMA twist-lock PE (347V)					
DF Double fuse (208, 240, 480V) n/a TB	INTL Available for MH probe-start shipping outside the U.S.	PE4 NEMA twist-lock PE (480V)					
QRS Quartz restrrike system ¹¹	KW1 KiloWatch [®] 120V control relay ¹²	PE7 NEMA twist-lock PE (277V)					
QRSTD QRS time delay ^{9,11}	KW4 KiloWatch [®] 277V control relay ¹²	SC Shorting cap for PER option					
	REGC1 California Title 20 effective 1/1/2010	HS House side shield (R2, R3) ^{14,15}					
		VG Vandal guard ¹⁴					

Notes

- Not available with SCWA.
- These wattages do not comply with California Title 20 regulations.
- Must be ordered with SCWA.
- These wattages require the REGC1 option to be chosen for shipments into California for Title 20 compliance. 250M REGC1 is not available in 347V or 480V.
- Not available with L/LP.
- Not available with 480V.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V); (120, 277, 347V in Canada).
- Consult factory for available wattages.
- Use 9" arm when two or more luminaires are oriented on a 90° drilling pattern.
- Maximum allowable wattage lamp included.
- KiloWatch[®] controls are available only with 150S.
- May be ordered as an accessory.
- Prefix with KSF1 when ordering as an accessory.
- Available with R2 and R3 distributions only.
- See www.lithonia.com/archcolors for additional color options.
- Black finish only.
- Must be specified.
- Must use RP09 or RP12.

Accessories: Tenon Mounting Slipfitter Number of fixtures.

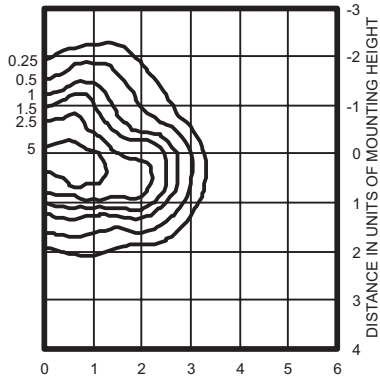
Tenon O.D.	One	Two@180°	Two@90° ¹⁹	Three@120°	Three@90° ¹⁹	Four@90° ¹⁹
2-3/8" (6)	T20-190	T20-280	T20-290	T20-320	T20-390	T20-490
2-7/8" (7.3)	T25-190	T25-280	T25-290	T25-320	T25-390	T25-490
4" (10.2)	T35-190	T35-280	T35-290	T35-320	T35-390	T35-490



KSF1 Arm-Mounted Rectilinear Cutoff Lighting

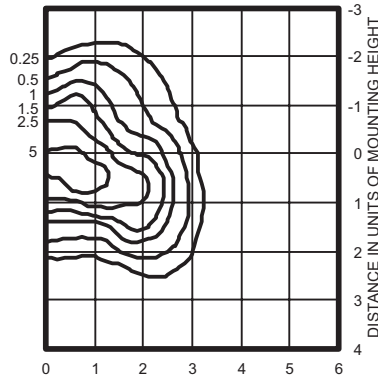
Coefficient of Utilization _____
Initial Footcandles _____

KSF1 250M R2 TEST NO: 1194090701P
ISOILLUMINANCE PLOT (Footcandle)



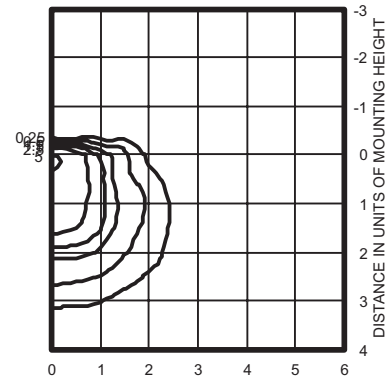
250W pulse start metal halide lamp, rated 22500 lumens. Footcandle values based on 20' mounting height.
Classification: Type II, Short, Full Cutoff

KSF1 250M R3 TEST NO: 1194080302P
ISOILLUMINANCE PLOT (Footcandle)



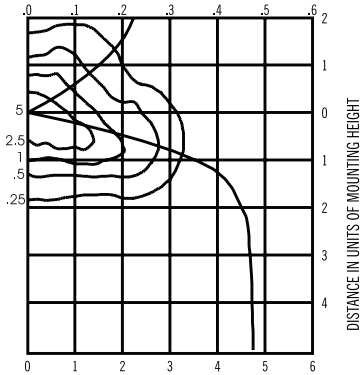
250W pulse start metal halide lamp, rated 22500 lumens. Footcandle values based on 20' mounting height.
Classification: Type III, Short, Full Cutoff

KSF1 250M R4SC TEST NO: 1194080901P
ISOILLUMINANCE PLOT (Footcandle)



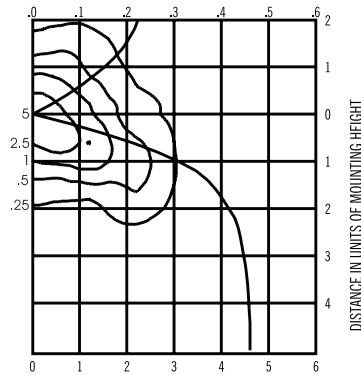
250W pulse start metal halide lamp, rated 22500 lumens. Footcandle values based on 20' mounting height.
Classification: Unclassified (Type IV, Very Short), Full Cutoff

KSF1 150S R2 Test No. TEST NO. 1194090802
COEFFICIENT OF UTILIZATION



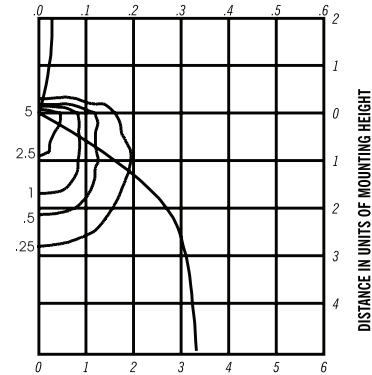
150W high pressure sodium lamp, 20000 rated lumens. Footcandle values based on 35' mounting height, Distribution II, full cutoff.

KSF1 150S R3 Test No. TEST NO. 1194081603
COEFFICIENT OF UTILIZATION



150W high pressure sodium lamp, 16000 rated lumens. Footcandle values based on 35' mounting height, Distribution III, full cutoff.

KSF1 150S R4SC Test No. TEST NO. 1194081502
COEFFICIENT OF UTILIZATION



150W high pressure sodium lamp, 16000 rated lumens. Footcandle values based on 35' mounting height, Distribution IV, full cutoff.

NOTES:

- 1 Photometric data for other distributions can be accessed from the Lithonia Lighting website. (www.Lithonia.com)
- 2 For electrical characteristics, consult outdoor technical data specification sheets on www.Lithonia.com.
- 3 Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory and actual field measurements. Dimensions and specifications are based on the most current available data and are subject to change.

Mounting Height Correction Factor

(Multiply the fc level by the correction factor)

35' mounting height	20' mounting height
15 ft.= 5.4	15 ft.= 1.78
30 ft.= 1.36	30 ft.= 0.45
40 ft.= 0.77	40 ft.= 0.25

$$\left(\frac{\text{Existing Mounting Height}}{\text{New Mounting Height}} \right)^2 = \text{Correction Factor}$$