

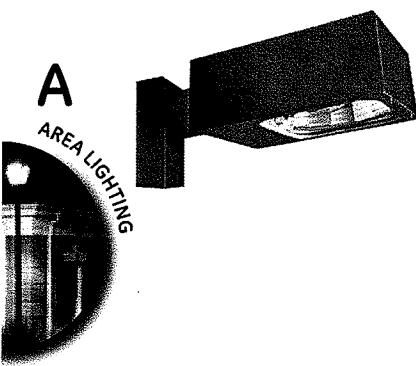
# DECASHIELD® 400 LUMINAIRE

## APPLICATIONS

- Walkways, driveways, tennis courts, malls, shopping centers, commercial and industrial complexes
- Residential areas and parkway lighting.

## SPECIFICATION FEATURES

- UL Listed
- Suitable For Wet Locations
- Heavy-duty die-cast aluminum housing and door
- Polyester powder paint finish standard in dark bronze, black, white, gray or aluminum
- No-tool access stainless steel latch design
- Heat and impact resistant tempered flat glass lens
- ALGLAS® finish on Type II, Type III and Type V reflectors, anodized finish on Forward Throw reflector
- Type II, Type III metal halide, and all Forward Throw reflectors are field rotatable
- Enclosed and gasketed optical
- Decorative Mounting Arm standard for flat or curved (for 3.5 to 4.5) OD pole (drilling templates are the same as those for the Decashield 1000 and Dimension™ luminaires)
- Mogul base socket - E39 standard, except 150W Pulse MH and below supplied with Medium Base
- Plug-in ignitor
- Unit shipped complete in one carton (Ballast secured to housing)
- Removable ballast tray
- Magnapack packaging available



## ORDERING NUMBER LOGIC

DSMT	40	S	0	AM	1	G	MC <sup>†</sup>	DB	C	
PRODUCT IDENT	WATTAGE	LIGHT SOURCE	VOLTAGE	BALLAST TYPE	PE FUNCTION	LENS TYPE	IES DISTRIBUTION TYPE	COLOR	OPTIONS	
XXXX	X	X	X	X	X	X	XXX	XX	XXX	
DSMT = Decashield 400 Luminaire with Ballast Tray Flat Surface & Mounting Arm	15 = 150 (55V) 17 = 175 20 = 200 24 = 250/400*	E = Energy Act Compliant Pulse S = HPS P = Pulse Standard: Mogul base lamp not included.	60Hz 0 = 120/208 240/277 Multivolt 1 = 120 2 = 208 3 = 240 4 = 277 5 = 480 D = 347 F = 120X347 T = 220	See Ballast and Photometric Selection Table A = Autoreg D = Bi-Level G = Mag-Reg with Grounded Socket Shell H = HPF Reactor or Lag K = Hot Restrike (Must also order "P" option at right. (Non-UL) Contact Factory) M = Mag-Reg P = CWI with Grounded Socket Shell	1 = None 2 = PE Receptacle 4 = PE Receptacle and Shorting Cap	G = Flat Glass	See Ballast and Photometric Selection Table MC2 = Medium Cutoff Type II ★ MC3 = Medium Cutoff Type III ★ FWC = FWT w/ILS ★ FWT = Forward Throw ★ HTV = Horizontal Type V ★	AL = Aluminum BL = Black DB = Dark Bronze (Standard) CG = Charcoal Gray WH = White	A = Lightning Arrester, Grounding Type C = Charcoal Filter (Not available with FWT) F = Fusing (Not available with multivolt or 120X347V) J = Line Surge Protector, Expulsion Type P = Prewire with 6' of 14/3 cable. R = No Mounting Arm or Slipfitter Q = Non-Time Delay Automatically Switched Quartz	
DSME = Decashield 400 Luminaire with 2" External Slipfitter Installed	35 = 350 40 = 400	*250/400 connected 250W for HPS only	50Hz Y = 240	NOTE: 120X347 connected for 120V	NOTE: Receptacle connected same voltage as unit.					
DSMR = Decashield 400 Luminaire with Ballast Tray & Direct Mounting Arm to Round Pole										

★ = Previously IESNA Full Cutoff Optics

## BALLAST AND PHOTOMETRIC SELECTION TABLE

All light sources are clear unless otherwise indicated.

Wattage	Light Source	Ballast Type/Voltage						Photometric Curve Number 35-17 - - -				
		60Hz			50Hz			IES Distribution Type				
		Multivolt	120	208, 240, 277, 480	347, 120X347	220	240	MC2	MC3	FWT	HTV	FWC
150(55V)	HPS	H,K,A	G,H,M,A	G,M,A	H	N/A	N/A	8591	8596	8604	8599	452557
250, 400	HPS	A, K	A, P	A	A	A,H	A	8592	7315	8605	8600	452555
**150	PMH	N/A	A,H	H*	H	N/A	N/A	454163	454165	454164	454182	C/F
175, 320	EPMH	A	A	A*	N/A	N/A	N/A	8594	8597	8607	8602	452559
250	EPMH	A	A	A	N/A	N/A	N/A	8594	8597	8607	8602	452559
350, 400	EPMH	A	A	A*	N/A	N/A	N/A	8595	8598	8608	8603	452554

NOTE: N/A = Not available.

C/F = Contact Factory.

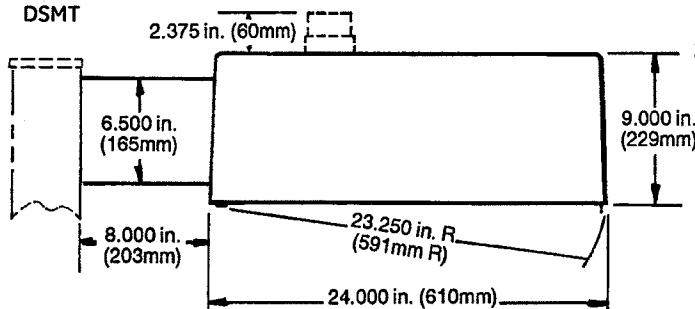
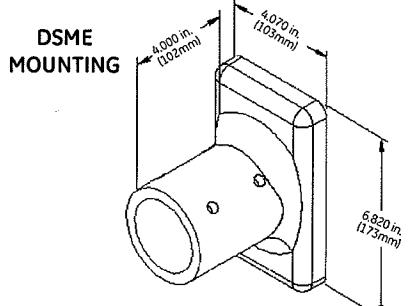
\*150, 320 and 350W PMH N/A 480V

\*\*Medium Base Socket

**GE Lighting Systems, Inc.**  
www.gelightsystems.com

# DECASHIELD® 400 LUMINAIRE

## Fixture Dimensions

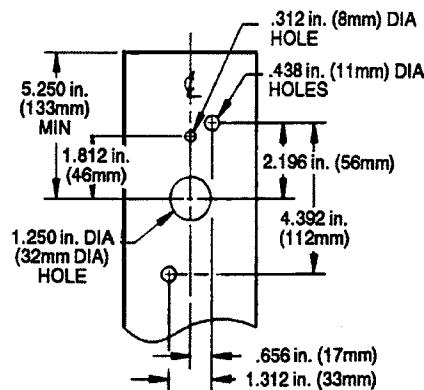


### DATA

Approximate Net Weight	35-45 lbs	16-18 kgs
Suggested Mounting Height	20-40 ft.	6-12 M
Effective Projected Area:		
No Mounting Arm	1.4 sq ft max	0.13 sq M max
Single with 8 in. (203mm) Mounting Arm	1.8 sq ft max	0.17 sq M max
Double with 8 in. (203mm) Mounting Arm at 180°	3.6 sq ft max	0.33 sq M max
Triple with 8 in. (203mm) Mounting Arm at 90°	4.3 sq ft max	0.40 sq M max
Quad with 8 in. (203mm) Mounting Arm at 90°	4.9 sq ft max	0.46 sq M max
Double with 8 in. (203mm) Mounting Arm at 90°	2.5 sq ft max	0.23 sq M max

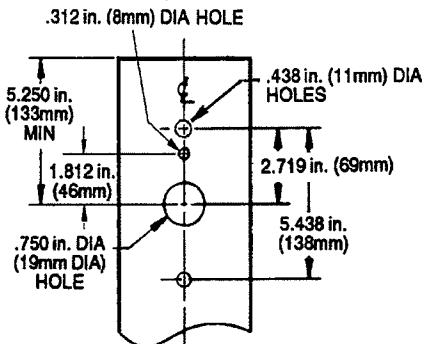
NOTE: The wind loading of Decashield Luminaires, when mounted to poles in multiples radially about the axis of the pole, do not necessarily have the EPA of a single luminaire multiplied by the number of luminaires.

### DSMT SQUARE POLE MOUNTING: STANDARD



DRILLING TEMPLATE

### DSMR ROUND POLE MOUNTING 3.5 to 4.5-inch (89 to 114mm) OD round pole



DRILLING TEMPLATE

### REFERENCES

- See Page A-18 for start of Accessories.
- See Page A-24 for Explanation of Options and Other Terms Used.
- See Pole and Bracket Section Page P-2 for pole selection.



STRUCTURES

# SOFT SQUARE STEEL

## DS330

### Fatigue Resistant

Poles - Steel

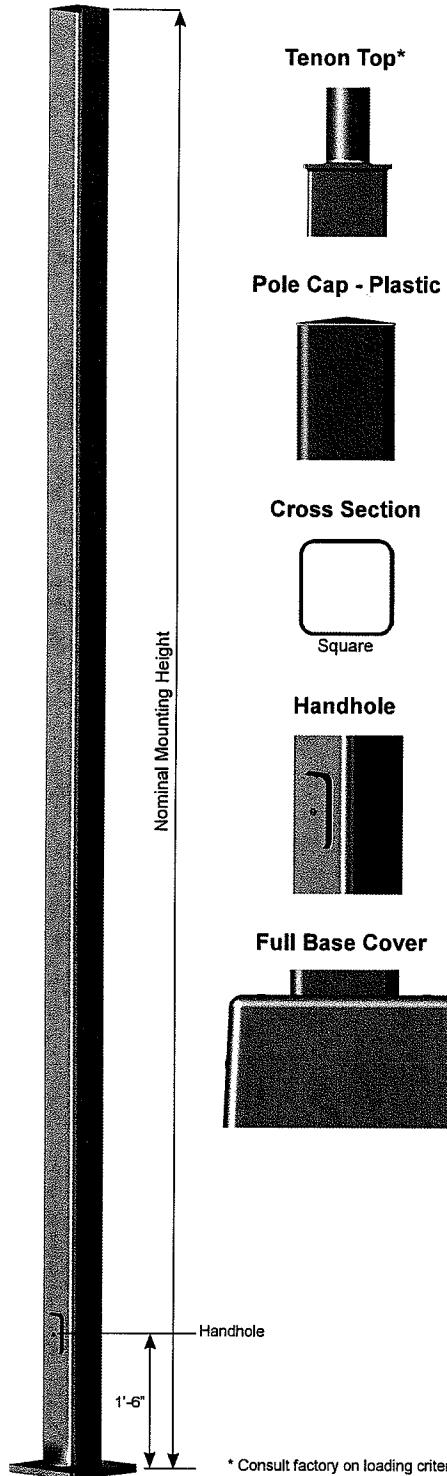
SSS / DS330

Fatigue Resistant

Job Name: _____	Client Name: _____
Job Location - City: _____	State: _____
Product: _____	Quote: _____

Created By: _____	Date: _____
Customer Approval: _____	Date: _____

#### SPECIFICATIONS



**Pole** - The pole shaft is fabricated from hot rolled commercial quality carbon steel of one-piece construction with a minimum yield strength of 55,000 psi.

**Pole Top** - A removable pole cap is provided for poles receiving drilling patterns for side-mount luminaire arm assemblies. For top mount luminaire and/or bracket consult the factory.

**Handhole** - A covered handhole and grounding provision with hardware is provided.

**Full Base Cover** - The two-piece standard full base cover is fabricated from ABS plastic.

**Anchor Base** - The anchor base (base plate) conforms to ASTM A36.

**Anchor Bolts** - Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end.

**Hardware** - All structural fasteners are galvanized high strength carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

**Finish** - Standard finishes are galvanized, prime painted or any of Valmont's V-PRO™ Protection Systems. Additional finish options available upon request.

**Design Criteria** - Please reference Design Criteria Specification for appropriate design conditions.

# SOFT SQUARE STEEL

## DS330

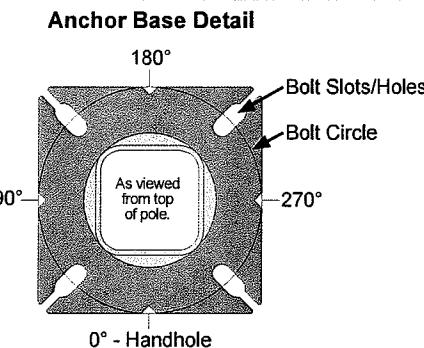
### Fatigue Resistant

STRUCTURES

Job Name:	Client Name:		
Job Location - City:	State:	Created By:	Date:
Product:	Quote:	Customer Approval:	Date:

#### ANCHORAGE DATA

POLE BASE SQUARE (IN)	WALL THK (GA)	BASE PLATE			ANCHOR BOLTS		
		BOLT CIRCLE DIA (IN)	± (IN)	SQUARE (IN)	THK (IN)	DIA x LENGTH x HOOK (IN)	PROJECTION (IN)
4.00	11	8.50	0.50	8.25	0.750	0.75 x 17.00 x 3.00	3.50
4.00	7	8.50	0.50	8.25	0.875	0.75 x 17.00 x 3.00	3.63
5.00	11	11.00	1.00	11.00	1.000	0.75 x 17.00 x 3.00	3.75
5.00	7	11.00	1.00	11.00	1.000	0.75 x 17.00 x 3.00	3.75
6.00	7	12.00	1.00	12.50	1.000	1.00 x 36.00 x 4.00	4.25
							0.25



#### LOAD AND DIMENSIONAL DATA

NOMINAL MOUNTING HEIGHT	DESIGN INFORMATION				POLE DIMENSIONS				MODEL NUMBER		
	80 MPH w/1.3 GUST		90 MPH w/1.3 GUST		100 MPH w/1.3 GUST		BASE SQUARE OD (IN)	TOP SQUARE OD (IN)	WALL THK (IN)		
	MAX EPA <sup>1</sup> (SQFT)	MAX WEIGHT <sup>1</sup> (LBS)	MAX EPA <sup>1</sup> (SQFT)	MAX WEIGHT <sup>1</sup> (LBS)	MAX EPA <sup>1</sup> (SQFT)	MAX WEIGHT <sup>1</sup> (LBS)					
10'-0"	30.6	765	23.8	595	18.9	473	4.00	4.00	11	75	S400Q100
12'-0"	24.4	610	18.8	470	14.8	370	4.00	4.00	11	90	S400Q120
14'-0"	19.9	498	15.1	378	11.7	293	4.00	4.00	11	100	S400Q140
16'-0"	15.9	398	11.8	295	8.9	223	4.00	4.00	11	115	S400Q160
18'-0"	12.6	315	9.2	230	6.7	168	4.00	4.00	11	125	S400Q180
20'-0"	9.6	240	6.7	167	4.5	150	4.00	4.00	11	140	S400Q200
	17.7	443	12.7	343	9.4	235	5.00	5.00	11	185	S500Q200
	28.1	703	21.4	535	16.2	405	5.00	5.00	7	265	S500W200
25'-0"	4.8	150	2.6	100	1.0	50	4.00	4.00	11	170	S400Q250
	10.8	270	7.7	188	5.4	135	4.00	4.00	7	245	S400W250
	9.8	245	6.3	157	3.7	150	5.00	5.00	11	225	S500Q250
	18.5	463	13.3	333	9.5	238	5.00	5.00	7	360	S500W250
30'-0"	6.7	168	4.4	110	2.6	65	4.00	4.00	7	291	S400W300
	4.7	150	2.0	50	N/A	N/A	5.00	5.00	11	265	S500Q300
	10.7	267	6.7	167	3.9	100	5.00	5.00	7	380	S500W300
	19.0	475	13.2	330	9.0	225	6.00	6.00	7	520	S600W300
35'-0"	5.9	150	2.5	100	N/A	N/A	5.00	5.00	7	440	S500W350
	12.4	310	7.6	190	4.2	105	6.00	6.00	7	540	S600W350
	7.2	180	3.0	75	N/A	N/A	6.00	6.00	7	605	S600W400

1. Maximum EPA (Effective Projected Area) and weight values are based on side mounted fixtures only. Consult factory on loading criteria for pole top mounted luminaires and/or brackets. Variations from sizes above are available upon inquiry at the factory. Satisfactory performance of poles is dependent upon the pole being properly attached to a supporting foundation of adequate design.

2. Structure weight is a nominal value which includes the pole shaft and base plate only.

#### PRODUCT ORDERING CODES

DESIGN SERIES	MODEL NUMBER	FIXTURE MOUNTING	FINISH	COLOR	V-PRO™ PROTECTION SYSTEM	OPTIONS
DS330						
S400Q100	Drill Mounting	D1 = 1 Luminaire D2 = 2 @ 180° D4 = 4 @ 90° D5 = 2 @ 90° D6 = 3 @ 90°	GV = Galvanize PP = Prime Paint FP = Finish Paint GF = Galvanized + Finish Paint	-- = Galvanize -- = Prime Paint WH = White ST = Sandstone BK = Black SM = Silver Metallic SL = Silver LG = Light Gray SG = Slate Gray DT = Dark Tan MB = Medium Bronze CB = Bronze DB = Dark Bronze BN = Brown HG = Hunter Green DG = Dark Green RD = Red SC = Special Color (Contact Factory)	-- = Galvanize -- = Prime Paint V1 = V-PRO 1 Basic 1 Coat Powder. V2 = V-PRO 2 2 Coat Powder or Liquid. Includes epoxy primer & top coat. V3 = V-PRO 3 2 Coat Powder or Liquid. Includes zinc primer & top coat. V4 = V-PRO 4 2 Coat Powder or Liquid. Includes zinc primer & premium top coat.	See Accessories at <a href="http://Valmontstructures.com">Valmontstructures.com</a> (Please Specify)
S400Q120						
S400Q140						
S400Q160						
S400Q180						
S400Q200						
S500Q200						
S500V200						
S400Q250	Tenon Mounting	P2 = 2.38" OD x 4.00" P4 = 4.00" OD x 6.00"				
S400Q250						
S500Q250						
S500V250						
S400V300						
S500Q300						
S500V300						
S600W300						
S500V350						
S600W350						
S600W400						



## FEATURES & SPECIFICATIONS

**CONSTRUCTION** — Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), 50,000 psi (7-gauge). Uniform wall thickness of .125" or .188". Shafts are one-piece with a full-length longitudinal, high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

Anchor base is fabricated from hot-rolled carbon steel plate conforming to ASTM A36, that meets or exceeds a minimum yield strength of 36,000 psi. The anchor base is provided with slotted holes. Base cover is finished to match pole. A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount poles.

Fasteners are high-strength galvanized, zinc-plated or stainless steel.

**FINISH** — Dark bronze (DDB) polyester powder standard. Other architectural colors available. See [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors).

**GROUNDING** — Provision located immediately inside handhole rim. Grounding hardware is not included (provided by others).

**ANCHOR BOLTS** — Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

JOB: FTWW 336A AIRCRAFT STORAGE

TYPE PK/150 POLE

CATALOG# SSS 30 4G DM19 DDB

Anchor Base Poles

**SSS**

SQUARE STRAIGHT STEEL



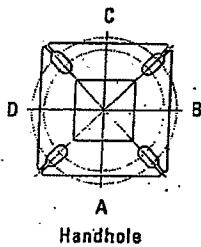
## ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: SSS 20 5C DM19 DDB

SSS	Nominal fixture mounting height	Nominal shaft base size/wall thickness	Mounting <sup>1</sup>	Options	Finish <sup>2</sup>
SSS	10 - 39 feet (see back page.)	(See back page.)	Tenon mounting	L/AB Less anchor bolts VD Vibration damper TP Tamper proof. Hbx Horizontal arm bracket (1 fixture) <sup>4,5</sup>	DDB Dark bronze DWH White DEB Black DMB Medium bronze DNA Natural aluminum GALV Galvanized finish
			Drill mounting <sup>2</sup>	FDLx Festoon outlet less electrical <sup>4</sup> FGlx Festoon GFI outlet less electrical <sup>4</sup> CPL12xx 1/2" coupling <sup>4</sup> CPL34xx 3/4" coupling <sup>4</sup> CPL1xx 1" coupling <sup>4</sup> NPL12xx 1/2" threaded nipple <sup>4</sup> NPL34xx 3/4" threaded nipple <sup>4</sup> NPL1xx 1" threaded nipple <sup>4</sup> HHbx Extra handhole <sup>4,6</sup>	DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue
			AERIS/OMERO Drill mounting <sup>2,3</sup>	DM19AS 1 at 90° DM28AS 2 at 180° DM28PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° DM19AST 1 at 90° DM28AST 2 at 180° DM29AST 2 at 90° DM39AST 3 at 90° DM49AST 4 at 90° DM19AEST 1 at 90° DM28AEST 2 at 180° DM29AEST 2 at 90° DM39AEST 3 at 90° DM49AEST 4 at 90°	Architectural colors (powder finish) <sup>7</sup>
			AERIS Suspend Drill mounting <sup>2,3</sup>	DM19MRT 1 at 90° DM28MRT 2 at 180° DM29MRT 2 at 90° DM39MRT 3 at 90° DM49MRT 4 at 90°	

## HANDHOLE ORIENTATION



### NOTES:

1 When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.

2 The drilling template to be used for a particular luminaire depends on the luminaire that is used. Refer to the Technical Data Section of the Outdoor Binder for Drilling Templates.

3 Insert "1" or "2" to designate fixture size; e.g. DM19AST2.

4 Specify location and orientation when ordering option.

For 1st "x": Specify the height in feet above base of pole.  
Example: 5ft = 5 and 20ft = 20

For 2nd "x": Specify orientation from handhole (A,B,C,D)  
Refer to the Handhole Orientation diagram on this page.

5 Horizontal arm is 18" x 2-3/8" O.D. tenon standard.

6 Combination of tenon-top and drill mount requires extra handhole.

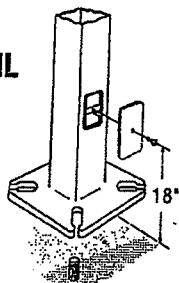
7 Additional colors available; see [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors) or Architectural Colors brochure (Form No. 794.3). Powder finish standard.

# SSS Square Straight Steel Poles

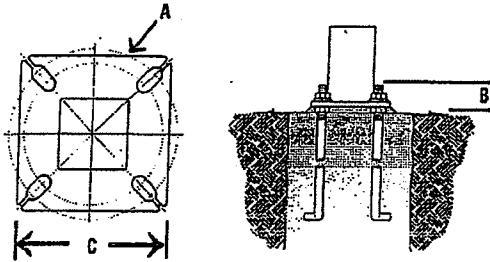
## TECHNICAL INFORMATION

Catalog Number	Nominal shaft length (feet)	Pole Shaft Size (in x ft)	Wall Thickness (inches)	Gauge	EPA (ft <sup>2</sup> ) with 1.3 gust							Bolt Circle (inches)	Bolt Size (in.xin.xin.)	Approximate ship weight (pounds)
					80 mph	Max. weight	90 mph	Max. weight	100 mph	Max. weight	100 mph			
SSS 10 4C	10	4.0 x 10.0	0.125	11	30.6	765	23.8	595	18.9	473	8-9	3/4 x 18 x 3	75	
SSS 12 4C	12	4.0 x 12.0	0.125	11	24.4	610	18.8	470	14.8	370	8-9	3/4 x 18 x 3	90	
SSS 14 4C	14	4.0 x 14.0	0.125	11	19.9	498	15.1	378	11.7	293	8-9	3/4 x 18 x 3	100	
SSS 16 4C	16	4.0 x 16.0	0.125	11	15.9	398	11.8	295	8.9	223	8-9	3/4 x 18 x 3	115	
SSS 18 4C	18	4.0 x 18.0	0.125	11	12.6	315	9.2	230	6.7	168	8-9	3/4 x 18 x 3	125	
SSS 20 4C	20	4.0 x 20.0	0.125	11	9.6	240	6.7	167	4.5	150	8-9	3/4 x 18 x 3	140	
SSS 20 4G	20	4.0 x 20.0	0.188	7	16.5	415	12.25	310	9.3	240	8-9	3/4 x 30 x 3	198	
SSS 20 5C	20	5.0 x 20.0	0.125	11	17.7	443	12.7	343	9.4	235	10-12	1 x 36 x 4	185	
SSS 20 5G	20	5.0 x 20.0	0.188	7	28.1	703	21.4	535	16.2	405	10-12	1 x 36 x 4	265	
SSS 25 4C	25	4.0 x 25.0	0.125	11	4.8	150	2.6	100	1.0	50	8-9	3/4 x 18 x 3	170	
SSS 25 4G	25	4.0 x 25.0	0.188	7	10.8	270	7.7	188	5.4	135	8-9	3/4 x 30 x 3	245	
SSS 25 5C	25	5.0 x 25.0	0.125	11	9.8	245	6.3	157	3.7	150	10-12	1 x 36 x 4	225	
SSS 25 5G	25	5.0 x 25.0	0.188	7	18.5	463	13.3	333	9.5	238	10-12	1 x 36 x 4	360	
SSS 30 4G	30	4.0 x 30.0	0.188	7	6.4	160	4.0	100	2.3	58	8-9	3/4 x 30 x 3	295	
SSS 30 5C	30	5.0 x 30.0	0.125	11	4.7	150	2.0	50	--	--	10-12	1 x 36 x 4	265	
SSS 30 5G	30	5.0 x 30.0	0.188	7	10.7	267	6.7	167	3.9	100	10-12	1 x 36 x 4	380	
SSS 30 6G	30	6.0 x 30.0	0.188	7	19.0	475	13.2	330	9.0	225	11-13	1 x 36 x 4	520	
SSS 35 5G	35	5.0 x 35.0	0.188	7	5.9	150	2.5	100	--	--	10-12	1 x 36 x 4	440	
SSS 35 6G	35	6.0 x 35.0	0.188	7	12.4	310	7.6	190	4.2	105	11-13	1 x 36 x 4	540	
SSS 39 6G	39	6.0 x 39.0	0.188	7	7.2	180	3.0	75	--	--	11-13	1 x 36 x 4	605	

### BASE DETAIL



Pole Data						
Shaft base size	Bolt circle A	Bolt projection B	Base square	Template description	Anchor bolt description	Anchor bolt and template number
4" C	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C
4" G	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G
5"	10"-12"	3-3/8"-4"	11"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5
6"	11"-13"	3-3/8"-4"	12-1/2"	ABTEMPLATE PJ50011	AB36-0	N/A



#### IMPORTANT INSTALLATION NOTES:

- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use factory template.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.

#### IMPORTANT:

- These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.

**LITHONIA LIGHTING®**

An Acuity Brands Company



## FEATURES & SPECIFICATIONS

**INTENDED USE**—Ideal for use in 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 door frame and another gasket applied to the housing.

**FINISH**—Standard finish is dark bronze (DDB) polyester powder finish with other architectural colors available.

**OPTICAL SYSTEM**—Reflectors: 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: 0.125" thick, impact-resistant, tempered, glass with thermally-applied, silkscreened shield.

**ELECTRICAL SYSTEM**—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 is 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 metal halide 151-250W (SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside of the US. Pulse-start ballast (SCWA) required for 200W. Ballast is 100% factory-tested.

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

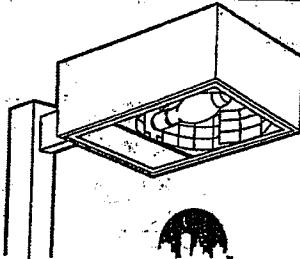
**INSTALLATION**—Extruded aluminum arm for pole or wall mounting is shipped in fixture carton. Optional mountings available.

**LISTING**—UL Listed (standard). CSA Certified (See Options). NOM Certified (See Options). UL Listed for 25°C ambient temperatures and wet locations. IP65 rated.

JOB: FTWW 336A AIRCRAFT STORAGE

TYPE: PK/150

CATALOG# KSF1 150S R4SC 277 SP04 PER PE7 LPI



Area Lighting

**KSF1**

METAL HALIDE

100W - 250W

HIGH PRESSURE SODIUM

70W - 200W

15' to 20' Mounting

NIGHTTIME  
FRIENDLY  
Conforms with LED<sup>®</sup> and  
Green Globes<sup>®</sup> criteria  
for light pollution reduction

### Specifications

EPA: 1.5 ft<sup>2</sup> (.14m<sup>2</sup>)  
(includes arm)

\*Weight: 35 lbs (15.9kg)

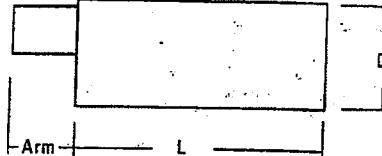
Length: 21-1/4 (54)

Width: 15-15/32 (39.3)

Depth: 7-1/4 (18.4)

Arm: 4 (10.2)

\*Weight as configured in  
example below:



Mounting Option	Drilling Template
SPxx, RPxx, DA12P	5
WBxx, DA12WB	6
VWxx	7

All dimensions are inches (centimeters) unless otherwise specified. Specifications subject to change without notice.

## ORDERING INFORMATION

For shortest lead times, configure product using standard options (shown in bold).

Example: KSF1 100M R3 TB SP04 LPI

### KSF1

Series	Voltage	Mounting	Ballast	Options	Lamp <sup>11</sup>
KSF1	120	SP—Square pole	(blank) Magnetic ballast	Shipped installed in fixture	LPI Lamp included (standard)
	208 <sup>5</sup>	RP—Round pole	CWI Constant wattage isolated	SF Single fuse 120, 277, 347V <sup>11</sup>	L/LP Less lamp
	240 <sup>5</sup>	WB—Wall bracket	SCWA Super CWA pulse start ballast	DF Double fuse 208, 240, 480V <sup>11</sup>	
	277	WW—Wood pole or wall bracket	Pulse Start	EC Emergency circuit <sup>12</sup>	
	347	DA12P Degree arm (pole) <sup>13</sup>	NOTE: For shipments to U.S. territories, SCWA must be specified to comply with EISA.	PER NEMA twist-lock receptacle only (no photocell)	
	480 <sup>5</sup>	DA12WB Degree arm (wall) <sup>13</sup>	ORSD Quartz strike system <sup>12</sup>	QRTD QRS time delay <sup>12,13</sup>	
	100M <sup>2</sup>	KMA Mast arm external filter <sup>14</sup>	KW1 KiloWatch <sup>12</sup> 120V control relay <sup>13</sup>	HS House-side shield <sup>13</sup>	
	150M <sup>2</sup>	KTMB Twin mounting bar <sup>15</sup>	KW4 KiloWatch <sup>12</sup> 277V control relay <sup>13</sup>	KW4 KiloWatch <sup>12</sup> 277V control relay <sup>13</sup>	
	100MHC	R2 IES type II asymmetric	CSA CSA Certified	CSA CSA Certified	
	150MHC	R3 IES type III asymmetric	NOM NOM Certified	NOM NOM Certified	
		R4SC IES type IV forward throw, sharp cutoff	INTL Available for MH probe start shipping outside the U.S.	INTL Available for MH probe start shipping outside the U.S.	
			Shipped separately <sup>14</sup>	PE1 NEMA twist-lock PE (120, 208, 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	
				VG Vandal guard	
					CR Corrosion-resistant
					CRT Non-stick protective coating <sup>16</sup>

#### NOTES:

- 1 Not available with SCWA.
- 2 Not available with TBV.
- 3 Must be ordered with SCWA.
- 4 Not available with 480V.
- 5 Must specify CWI for use in Canada.
- 6 Optional multi-tap ballast (120, 208, 240, 277V). (120, 277, 347V in Canada).
- 8 Consult factory for available wattages.
- 9 9" arm is required when two or more luminaires are oriented on a 90° drilling pattern.
- 10 Ships separately.
- 11 Must specify voltage. Not available with TB or TBV.
- 12 Max allowable wattage lamp included.
- 13 Available with R2 & R3 distributions only.
- 14 May be ordered as an accessory.
- 15 See www.lithonia.com/archcolors for additional color options.
- 16 Black finish only.
- 17 Must be specified.
- 18 Must use RP09 or RP12.
- 19 Only available with 150S.
- 20 These wattages do not comply with California Title 20 regulations.

#### Accessories: Tenon Mounting Slipfitter

(Order as separate catalog number)

Number of fixtures

Tenon O.D.	One	Two@180°	Two@90°	Three@120°	Three@90°	Four@90°
2-3/8"	T20-190	T20-280	T20-290 <sup>18</sup>	T20-320	T20-390 <sup>18</sup>	T20-490 <sup>18</sup>
2-7/8"	T25-190	T25-280	T25-290 <sup>18</sup>	T25-320	T25-390 <sup>18</sup>	T25-490 <sup>18</sup>
4"	T35-190	T35-280	T35-290 <sup>18</sup>	T35-320	T35-390 <sup>18</sup>	T35-490 <sup>18</sup>

KSF1HS House side shield<sup>13</sup>

KSF1VG Vandal guard

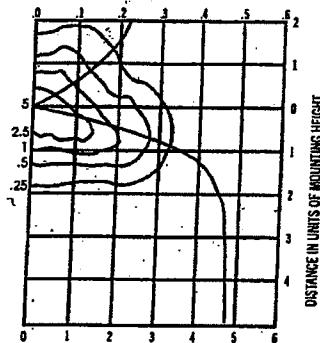
# KSF1 Arm-Mounted Rectilinear Cutoff Lighting

Efficient of Utilization  
Initial Footcandles:

**KSF1 150S R2**

Test No. TEST NO. 1194090802

COEFFICIENT OF UTILIZATION

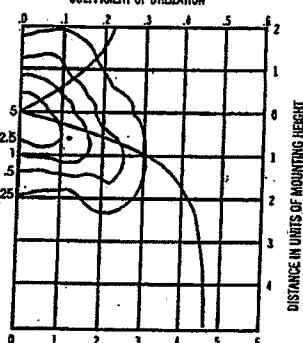


150W high pressure sodium lamp, 20000 rated lumens. Footcandle values based on 35' mounting height, Distribution II, full cutoff.

**KSF1 150S R3**

Test No. TEST NO. 1194081603

COEFFICIENT OF UTILIZATION

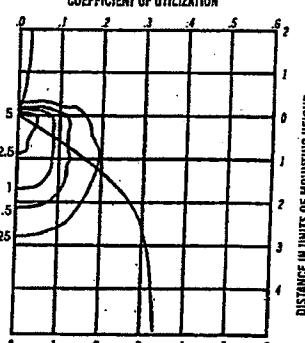


150W high pressure sodium lamp, 16000 rated lumens. Footcandle values based on 35' mounting height, Distribution III, full cutoff.

**KSF1 150S R4SC**

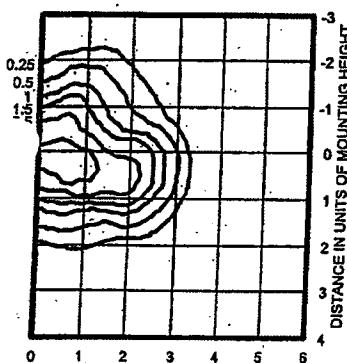
Test No. TEST NO. 1194081502

COEFFICIENT OF UTILIZATION



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

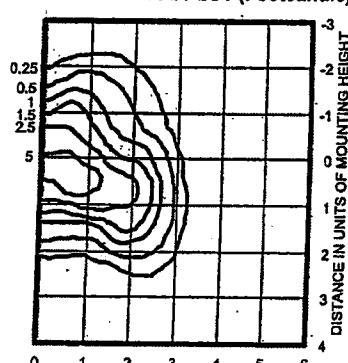
**KSF1 250M R2** TEST NO: 1194090701P  
ISOILLUMINANCE PLOT (Footcandle)



250W pulse start metal halide lamp, rated 22500 lumens. Footcandle values based on 20' mounting height.

Classification: Type II, Short, Full Cutoff

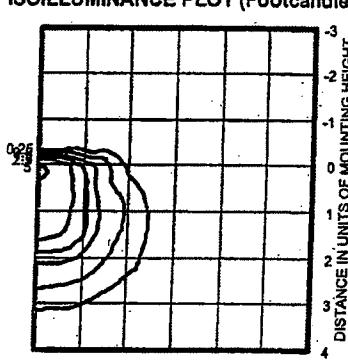
**KSF1 250M R3** TEST NO: 1194080302P  
ISOILLUMINANCE PLOT (Footcandle)



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

## NOTES:

- For electrical characteristics, consult technical data tab.
- 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.
- Photometric data for other distributions can be accessed from [www.lithonia.com](http://www.lithonia.com).

## Mounting Height Correction Factor

(Multiply the fc level by the correction factor)

15 ft = 5.4

30 ft = 1.36

40 ft = .77

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

