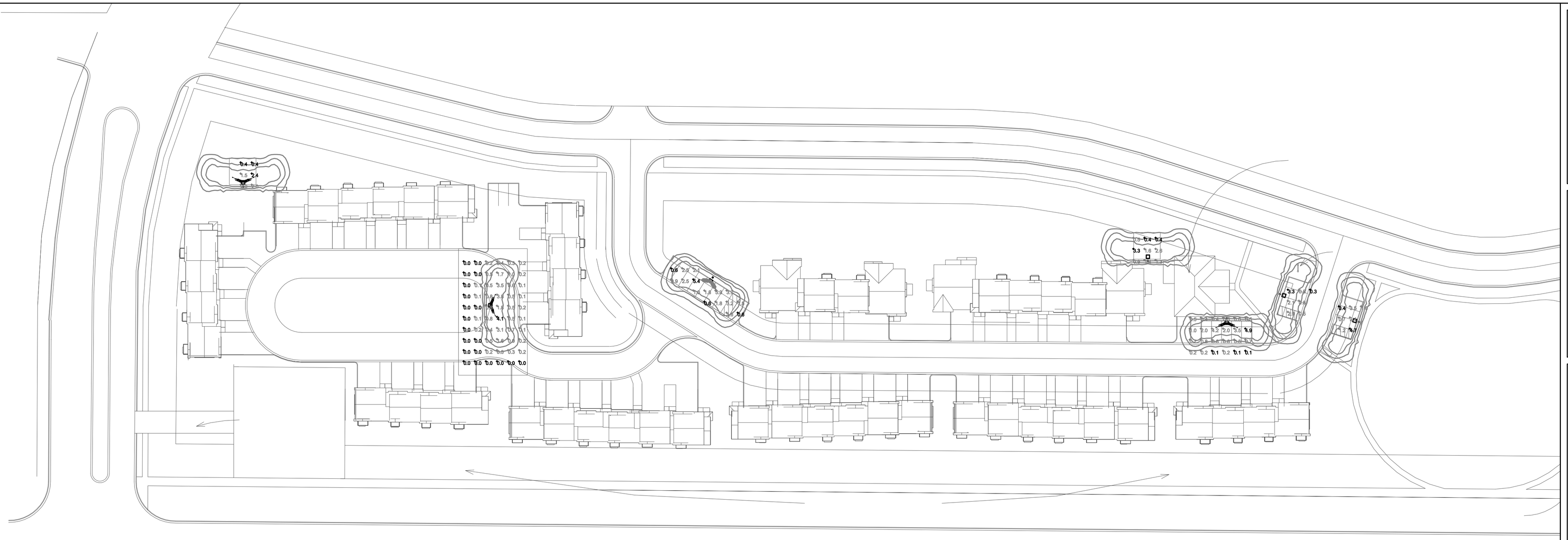


1 SITE PHOTOMETRIC PLAN
1" = 50'-0"

LITHONIA LIGHTING®

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 igniter 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, with copper alloy, nickel-plated screw shell and center contact. UL listed 1500W-600V.

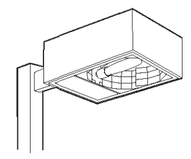
INSTALLATION — Extruded aluminum arms for pole or wall mounting is shipped in future carton. Optional mountings available.

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

WARRANTY — 1-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Specifications subject to change without notice.

Catalog Number	
Notes	
Type	



Area Lighting

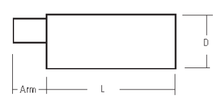
KSF1

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: 37 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

KSF1					
Series	**Wattage**	**Distribution**	**Voltage**	**Ballast**	**Mounting**
KSF1	Metal halide 100M[1] 175M[1] 200M[1] **150M** **250M**[1] Ceramic metal halide[2] 100MHC[1] 150MHC High pressure sodium[1] 70S[3] 100S 200S[3] 150S[4]	R2 Type II roadway R3 Type III asymmetric R4SC Type IV forward throw, sharp cutoff	120 **347** **208**[5] 480[5] 240[5] TB[5] **277** 2305HZ[6]	(blank) Magnetic CWI Constant 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[11] **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			Shipped separately[11]	(blank) Dark bronze	DBLXD Black	LPI Lamp included
PER NEMA twist-lock receptacle only (no photocontrol)	EC Emergency circuit[12]	PE3 NEMA twist-lock PE (120, 208, 240V)	DWH White	DNAXD Natural aluminum	L/LP Less lamp
SF Single fuse (120, 277, 347V) n/a TB	CSA CSA Certified	PE3 NEMA twist-lock PE (347V)	DBL Black	DWHXD White	
DF Double fuse (208, 240, 480V) n/a TB	NOM NOM Certified[8]	PE4 NEMA twist-lock PE (480V)	DMB Medium bronze	DDBXD Textured dark bronze	
QRS Quartz restrike system[7]	INTL Available for MH probe-start shipping outside the U.S.	PE7 NEMA twist-lock PE (277V)	DNA Natural aluminum	DBLBXD Textured black	
QRSTD QRS time delay[9,17]	KW1 KiloWatch® 120V control relay[13]	SC Shorting cap for PER option	CRT Non-stick protective coating[17]	DNATXD Textured natural aluminum	
	KW4 KiloWatch® 277V control relay[13]	HS House-side shield (R2, R3)[14,15]	Super Durable Finishes	DWHGXD Textured white	
	REGC1 California Title 20 effective 1/1/2010	VG Vandal guard[14]	DDBXD Dark bronze		

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" (60)	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

Notes
1 Not available with SCWA.
2 These wattages do not comply with California Title 20 regulations.
3 Must be ordered with SCWA.
4 These wattages require the REGC1 option to be chosen for shipments into California for Title 20 compliance. 250MAREGC1 is not available in 347V or 480V.
5 Not available with LE.P.
6 Not available with 480V.
7 Must specify CWI for use in Canada.
8 Optional multi-tap ballast (120, 208, 240, 277V); (120, 277, 347V in Canada).
9 Consult factory for available wattages.
10 Use 9" arm when two or more luminaires are oriented on a 90° drilling pattern.
11 Maximum allowable wattage lamp included.
12 KiloWatch® controls are available only with 150S.
13 May be ordered as an accessory.
14 Prefix with KSF1 when ordering as an accessory.
15 Available with R2 and R3 distribution only.
16 See www.lithonia.com/archivolitors for additional color options.
17 Black finish only.
18 Must be specified.
19 Must use RPXX or RP32.

LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
□	A	6	KSF1 100M R3 HS	ARM MOUNTED FIXTURE WITH PREMIUM SEGMENTED OPTICS AND HS OPTION	ONE 100-WATT CLEAR E-17 METAL HALIDE, HORIZONTAL POSITION.	8500	0.81	140
□	B	1	KSF1 175M R3 HS	ARM MOUNTED FIXTURES WITH PREMIUM SEGMENTED OPTICS AND HS OPTION	ONE 175-WATT CLEAR BT-28 METAL HALIDE, HORIZONTAL POSITION.	12000	0.81	213

FIXTURE HEIGHT INCLUDING BASE = 15'-0"

STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #8	+	2.3 fc	5.4 fc	0.6 fc	9.0:1	3.8:1
Calc Zone #10	+	1.5 fc	2.4 fc	0.4 fc	6.0:1	3.8:1
Calc Zone #11	+	0.5 fc	4.1 fc	0.0 fc	N / A	N / A
Calc Zone #12	+	1.4 fc	3.3 fc	0.4 fc	8.3:1	3.5:1
Calc Zone #13	+	1.1 fc	4.9 fc	0.1 fc	49.0:1	11.0:1
Calc Zone #14	+	1.5 fc	3.3 fc	0.3 fc	11.0:1	5.0:1
Calc Zone #15	+	2.0 fc	4.7 fc	0.4 fc	11.8:1	5.0:1

ARCHITECTS
PBA ARCHITECTS, INC.
1851 BIRCH LANE NE
LONGVILLE, MN. 56655
TEL.: (612)353-4753
FAX: (612)353-4782

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

LICENSE NO. 16544

STRUCTURAL ENGINEERS:

CIVIL ENGINEER:

MECHANICAL/ELECTRICAL ENGINEER:

STEEN ENGINEERING INC.
763-585-6742
763-585-6757 fax
Email: steen@steeneng.com
5430 Douglas Drive North
Crystal, MN 55429

No.	Description	Date

PRELIMINARY - NOT FOR CONSTRUCTION

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THE SEASONS TOWNHOMES
PODAWILTZ DEVELOPMENT CORP

SITE PHOTOMETRIC PLAN

Project number	PBA201301
Date	12/12/2012
Drawn by	DJL
Checked by	SMY

E-0.0

Scale As indicated