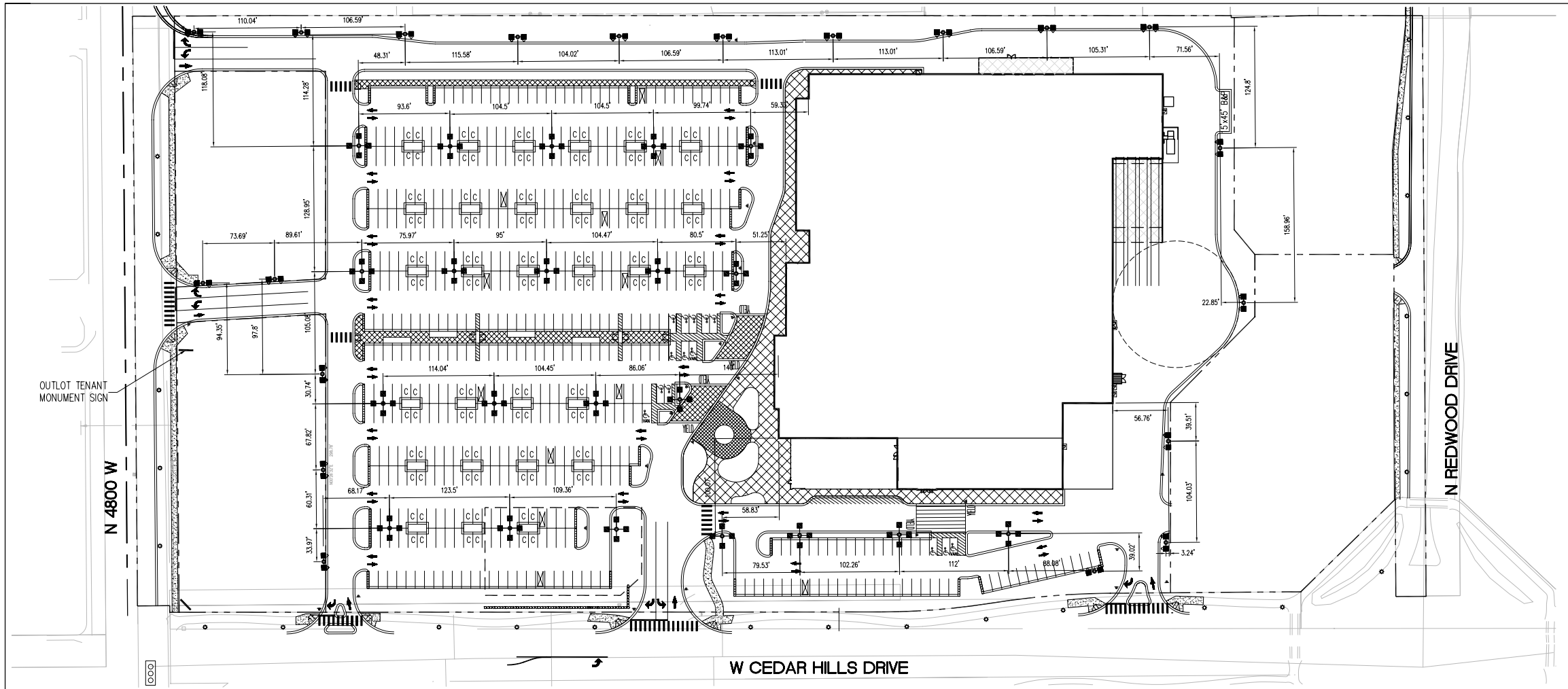
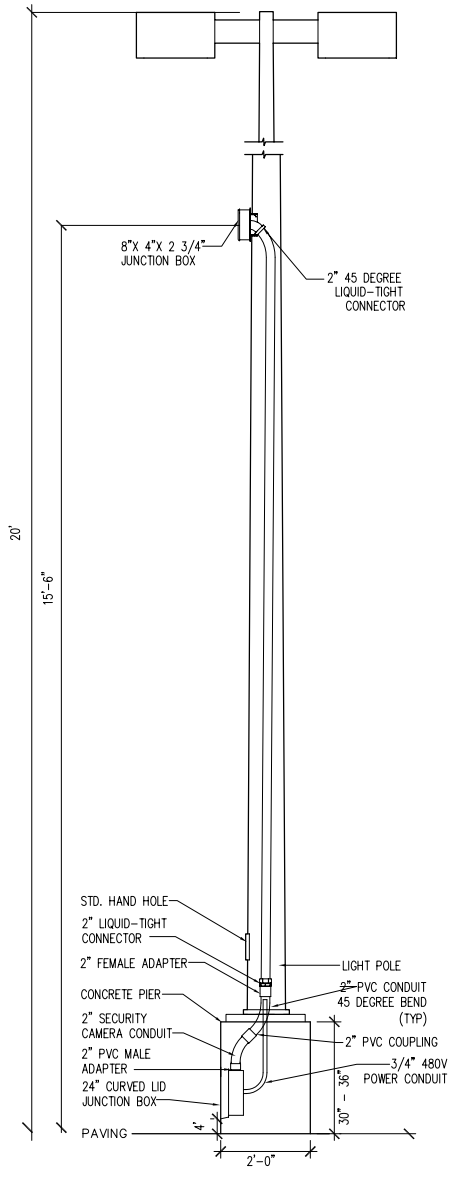


GRAPHIC SCALE

40 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.



SITE LIGHTING AND CAMERA

LITHONIA LIGHTING

Catalog Number | Notes | Type

Area Lighting

KVF

METAL HALIDE
250-1000W
20' to 40' Mounting

FEATURES & SPECIFICATIONS

INTENDED USE
Use for parking lots, streets and surrounding areas.

CONSTRUCTION
Heavy gauge die-formed aluminum housing is fabricated using robotic continuous seam-weld process for weather-tight integrity. Integral structural support plate for mounting arm and electrical components ensures rigidity and strength. Hinged aluminum doorframe incorporates stainless steel hardware. Continuous silicone gasketing surrounds lens for weather-tight seal. Optional tool-less hardware is available to maximize installation and maintenance ease. Thermal shock-resistant tempered glass lens. Choice of contoured drop lens or flat lens is available in standard product.

FINISH
Standard finish is dark bronze corrosion resistant electrostatically applied powder paint. Optional linear embossed accent reveals are available.

OPTICS
Vertical lamp reflectors are one-piece spun and formed anodized aluminum. Specialized distributors are available for either drop lens or flat lens. Reflectors for each are independently designed to optimize light output for the lens type. Horizontal lamp reflectors are also available. Mogul-base porcelain socket with copper alloy, nickel-plated screw shell and center contact. Vertically-oriented for types DYM, ASY and VFA distributors. Horizontal position-oriented for types R2, R3, and R4. UL listed 1500V-600V, 4kV pulse rated. Reflectors are rotatable and interchangeable.

ELECTRICAL SYSTEM
All electrical components are mounted to a heavy-gauge plate to maximize heat dissipation and ensure structural integrity for optimal component life. Constant wattage autotransformer ballasts are copper wound and 100% factory tested. Super CWA Pulse-Start ballasts are required for 320, 350, 400 and 750 watt (mount under DDB4 option).

INSTALLATION
Extruded aluminum arm with integral splice compartment. Standard arm is 9" in length. (12" arm is required for fixtures mounted at 40'.) Arms are available for use with multiple poles, wall mounting and unique configurations.

LISTING
UL Listed to US and Canadian safety standards (see Options). NOM certified (see options). UL listed for wet locations. Optical chamber IP65 rated.

Specifications
EPA: 2.8 ft² (.26m²) (includes .arm)
Square: 21.5 (54.6)
Depth: 14 (35.5)
Arm length: 9 (22.8)
Weight: 53 lbs (24 kg)

All dimensions are inches (centimeters) unless otherwise specified.

Representative of the embossed accents (EA) option.

Mounting Option	Drilling Template
SPxx, RPxx, DA12F	5
WBxx, DA12WB	5
Wxx	7

ORDERING INFORMATION

Example: **KVF 1000M SYMFL 120 SP09 SF DNA LPI**

Choose the boldface catalog nomenclature that best suits your needs and write it in the appropriate blank.

Series	Voltage	Mounting[1]	Options
KVF250M	**120**	**SP09** Square pole (9" arm)[2]	Shipped installed in fixture
KVF320M	**208**[3]	**RP09** Round pole (9" arm)[2]	**TLS** Tool-less Access
KVF350M	**240**[3]	**SP12** Square pole (12' arm)	**LPI** Lamp included as standard
KVF400M	**277**	**RP12** Round pole (12' arm)	**LALP** Less Lamp
KVF450M	**347**	**WHMB** Wood pole or wall (9" arm)	**SF** Single fuse (120, 277, 347V; not available with TS)
KVF1000M[4]	**480**[3]	**WHM12** Wood pole or wall (12' arm)	**DF** Double fuse (208, 240, 480V; not available with TS)
	TB[5]	**WBXM** Wall bracket (9" arm)	**PER** NEMA twist lock receptacle only (photocontrol not included)
		WBXM12 Wall bracket (12' arm)	**QRS** Quartz restrike system (250W max, lamp not included)
		AMA Mast arm (universal fitter)	**QRSTD** QRS time delay (250W max, lamp not included)
		DA12F Segmental Arm (pole)	**KW1** Kilowatch 120V control relay[6]
		DA12WB Segmental Arm (wall)	**KW5** Kilowatch 277V control relay[6]
			CR Enhanced corrosion resistance
			EHS External housesside shield (matches fixture finish, included in the carton)
			EHSB External housesside shield black (painted black to maximize light control, included in the carton)
			CSA Listed and labeled to comply with Canadian Standards
			SCWA Super CWA Pulse Start Ballast (250W & 1000W) available in vertical lamp distributions only
			NOM NOM Certified (consult factory)

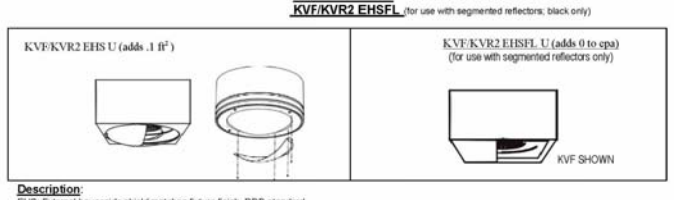
Distribution	Architectural features
Vertical lamp distributions	**EA** Embossed Accents
SYMFL Symmetric square, flat lens	Architectural colors (powder finish)[7]
ASYFL Asymmetric, flat lens	Standard colors
VFAFL Vanity at forward throw automotive, flat lens	**DDBXD** Dark Bronze (standard)
Horizontal lamp distributions (not available with 400W or 750W)	**DWHXD** White
R2FL Type II Roadway, flat lens	**DBLXD** Black
R3FL Type III Asymmetric, flat lens (not available with 400W or 750W) or 1000W)	Classic colors
SR3FL Type III Segmented, Asymmetric, flat lens	**DMBXD** Medium Bronze
SR3WFL Type IV Segmented, forward throw, flat lens	**DNAXD** Natural aluminum
SR4WFL Type IV Segmented, wide, forward throw, flat lens	**DSSXD** Sandstone
SR5FL Type V Segmented, Asymmetric, flat lens	**DGCXD** Charcoal grey
NOTES:	**DTGXD** Tennis green
1 Must use reduced jacket lamp.	**DBBXD** Bright red
2 Consult factory for availability in Canada.	**DSEXD** Sand tilea
3 Optional multi-tap ballast (120, 208, 240, 277V, 12A, 277, 347V in Canada).	Shipped separately[7]
4 For arm mounting, refer to technical data section in the Outdoor Similar for drilling templates.	**PE1** NEMA twist lock PE (12A, 208-240V)
5 DP32 or RP32 must be used when two or more luminaires are oriented on a 90° drilling pattern.	**PE3** NEMA twist lock PE (347V)
6 Additional architectural colors available; please see Architectural Colors Brochure on www.lithonia.com.	**PE4** NEMA twist lock PE (480V)
7 May be ordered as accessory.	**PE7** NEMA twist lock PE (277V)
8 Order as separate line item. Important with this accessory, an RP32 mounting arm must be ordered on the fixture.	**SC** Shorting cap
9 For specific ordering information, consult factory.	**KWFVG** Vandal guard
	KVFEHS_ External Housesside shield (specify color)

Accessories Same Mounting Sightline[8]

	Number of fixtures					
Tenon O.D.	One	Two@180°	Two@90°	Three@120°	Three@90°	Four@90°
2-3/8" (6)	**T25-190**	**T25-280**	**T25-290**	**T25-320**	**T25-390**	**T25-490**
2-7/8" (7.3)	**T25-190**	**T25-280**	**T25-290**	**T25-320**	**T25-390**	**T25-490**
4" (10.2)	**T30-190**	**T30-280**	**T30-290**	**T30-320**	**T30-390**	**T30-490**

Outdoor — Sheet #: KVF-M-flat — AL-430

KVF/KVR2 EHS
KVF/KVR2 EHSB
KVF/KVR2 EHSFL (for use with segmented reflectors; black only)

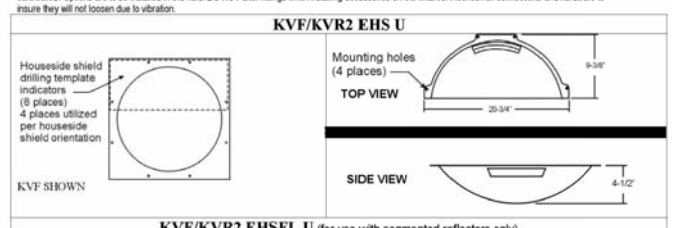


Description:
EHS: External housesside shield matches fixture finish, DDB standard.
EHSB: External housesside shield painted black to to maximize light control.

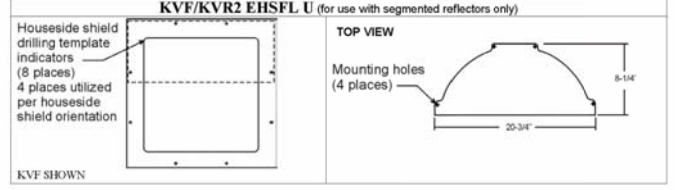
Nomenclature to order for field install:
KVF/KVR2 EHS (color) U
KVF/KVR2 EHSB U
KFV/KVR2 EHSFL (for use with segmented reflectors; black only)

Installation: Determine which side of the fixture the shield will be installed. Align the shield in this position and locate the four indicator dimples that match up to the holes in the external housesside shield. You will need to mark or remember which holes you have located. Set shield aside and open doorframe. Drill the indicator dimples you selected with a 5/32" drill bit, being careful not to penetrate the lens gasket by keeping drill perpendicular to the doorframe. Close the doorframe and secure it. Align the shield to the holes just drilled and install with the four screws provided.
WARNING: Options are to be installed in the field. **DO NOT** alter fittings when installing accessories on the fixtures. Recheck all connections and hardware to insure they will not loosen due to vibration.

KVF/KVR2 EHS U



KVF/KVR2 EHSFL U (for use with segmented reflectors only)



LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF
	AV400	21	KVF 400M SYMFL	SQUARE AREA LIGHT, SYMMETRIC DISTRIBUTION, FLAT LENS.	ONE 400-WATT CLEAR BT-37 METAL HALIDE, VERTICAL BASE UP POS.	Lit9432.ies	36000	0.75
	JV400	21	KVF 400M ASYFL EHS	SQUARE AREA LIGHT, ASYMMETRIC DISTRIBUTION, FLAT LENS, HOUSE SIDE SHIELD.	MH 400/BU/PS	Lit9434.ies	44000	0.75

No.	Date	By	Revision Description

Designed By:	**Issue Date:**
GLC	3/23/2007 CITY PRELIMINARY
Drawn By:	
DEC	
Checked By:	**Project No.:**
SSM/LML	2006010.021

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PROPOSED RETAIL
CEDAR HILLS, UTAH

PRELIMINARY
SITE LIGHTING PLAN

C-3.3

R:\Utah\Cedar Hills\4800 West & Cedar Hills Drive\2Drawings\CFGR133E.dwg 1/10/2007 9:32:44 AM PST