

FARO 960

Pole Mounted Luminaire

.hess

DESCRIPTION

FARO delivers precise, glare-free, indirect illumination with exceptional uniformity from its unique patented optical system. The luminaire housing smoothly transitions into the inverted tapered pole, appearing to be one continuous form. The angular steel bracket extends up and suspends the formed aluminum roof, housing the secondary reflector system. Primary optics project light upward to the faceted secondary reflector, consisting of computer designed injection molded plastic modules which are vacuum metallized for specularity. Facets capture then redirect the light beams, producing a uniform square pattern on the ground. With cut-off of less than 60°, the light quality is both effective and unobtrusive. The steel housing, bracket, and pole are hot-dip galvanized prior to being finished in finely textured paint. All hardware is stainless steel.

PROTECTED BY

PRIMAR®

Date: _____ Type: _____ Catalog Number: _____

Project Name: _____



ORDERING INFORMATION

LUMINAIRE											
MODEL	OUTPUT	CCT	CONTROL	VOLT	MOUNTING	HEIGHT	MATERIAL	BASE COVER	MOUNTING KIT	FINISH	OPTION
FA960	SO Standard Output	30K 3000K	DIM 0-10v Dimming	UNV 120-277V	S Single	13 13' Inverted Taper	S Steel	BC	MK Mounting Kit (Anchor Bolts + Template)	BL Black	TVSS20 20KV Surge Suppressor
		40K 4000K						NC	SI Soil insert for embedment into concrete	DB Dark Bronze DG Dark Grey GG Graphite Grey SG Silver Grey CC Custom RAL Color	GFCI GFCI Receptacle

MODEL (Mounting Kit, Ordered Separately)

FA960-MK
Mounting kit with 4x 0.75" x 17" x 3" anchor bolts + paper template

FA960-SI
1X Soil insert for embedment into concrete foundation and mounting hardware

SPECIFICATIONS

HOUSING

Heavy-duty fabricated steel cylindrical housing with integrated tenon houses the primary reflector and electrical components. Angular secondary reflector bracket of welded construction is fabricated from two parallel structural steel plates separated by steel spacers and secured to luminaire housing with two stainless steel socket head bolts. Secondary reflector bracket supports the formed aluminum roof, housing the secondary reflector system. Lens assembly consists of machined 3/4" thick tempered glass lens with exposed edge bonded to precision machined anodized aluminum lens ring. Lens ring assembly is fastened to housing with three recessed setscrews. Housing and secondary reflector bracket are hot-dip galvanized, then lightly sanded prior to painting. All hardware is stainless steel.

OPTICS

Square primary reflector system with elliptical profile and segmented construction is formed from high-reflectance anodized aluminum. Reflector and single aluminum base COB diode is nested within the top of the luminaire and works in conjunction with secondary reflector described below. Machined tempered glass lens is low iron. Secondary reflector is composed of specially formulated injection molded plastic modules, consisting of nine facets each. Facet curvatures shall vary according to position within the secondary reflector, producing Type V square distribution with cut-off better than 60°. Facet surfaces are vacuum metallized for specularity and finished with double layer of protective clear coat. Secondary reflector shall have 64 modules consisting of 576 individual facets. CRI is 80+.

ELECTRICAL

Universal driver accepts input voltage range from 120v to 277v at 50/60Hz. Electronic LED driver supplies 1050mA drive current to the single COB LED. Power consumption is 62 watts. Power factor is greater than 0.90. Driver shall be UL Recognized.

DELIVERED LUMENS / BUG RATING (UPGRADE PENDING)

3000K: 4750 lumens / B2-U3-G0

4000K: 4893 lumens / B2-U3-G0

LED is included.

NOTE: Due to rapid and continuous advances in LED technology, LED luminaire data is subject to change without notice and at the discretion of HessAmerica. Consult factory for current technical data.

POLE

Inverted tapered steel pole is manufactured from cold drawn over mandrel, electric-weld, mechanical round steel tubing with nominal wall thickness of 0.157". Pole tapers from 6.6" O.D. at top of pole to 3.7" O.D. at the base. Pole has internal fitter plug welded at the top of the pole, and forms a reveal when the luminaire is installed. Two rows of four recessed stainless steel setscrews secure luminaire to pole. Flush mounted hand hole cover is plasma cut with kerf not to exceed 1/8" and includes triangular tamper-resistant locking device. Pole is hot-dip galvanized with coating inside and out, then lightly sanded prior to painting. Nominal pole height is 10'. Soil insert is required.

FINISH

Standard finishes are finely textured matte silver grey metallic, dark grey, graphite grey, matte black, or dark bronze. Special colors available on request.

INGRESS PROTECTION: IP54

LUMINAIRE WEIGHT: 135 LBS

LUMINAIRE EPA: 3.7 SQ FT

CERTIFICATION

CSA Certified for Wet Locations

WARRANTY

Limited product warranty period including LEDs is five years. Driver shall carry the manufacturer's limited warranty.

LED RETROFIT KIT

DESCRIPTION

LED retrofit kit for existing FARO 720 and FARO 960 ceramic metal halide models. Kit includes LED with primary optical system and electronic driver.

OPTICS

Square primary reflector system with elliptical profile and segmented construction is formed from high-reflectance anodized aluminum. Reflector and single aluminum base COB diode is nested within the top of the luminaire and works in conjunction with secondary reflector on existing luminaire. CRI is 80+.

ELECTRICAL

Universal driver accepts input voltage range from 120v to 277v at 50/60Hz. Electronic LED driver supplies 1050mA drive current to the single COB LED. Power consumption is 62 watts. Power factor is greater than 0.90. Driver shall be UL Recognized.

DELIVERED LUMENS

3000K: 4750 lumens

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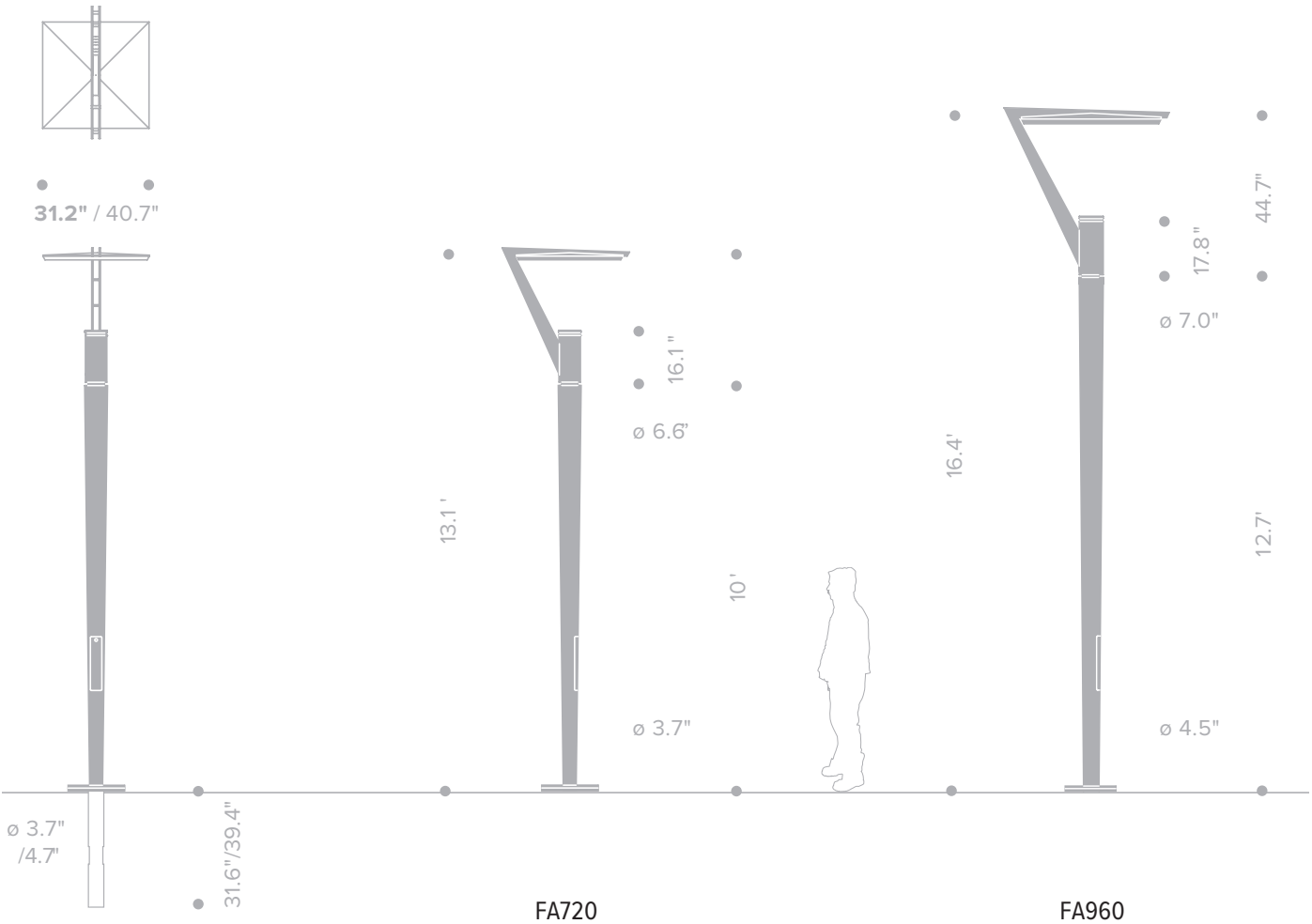
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ORDERING INFORMATION

LUMINAIRE				
MODEL	LED MODULE	CCT	VOLT	OPTION
FA720	LED	WW 3000K	UNV 120-277V	DIM 0-10vDC dimming
FA960		NW 4000K		RETROFIT

DIMENSIONS

All dimensions are shown in inches unless otherwise noted.



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