



25' POLE ON 4' CONCRETE BASE
POINTS HIGHLIGHTED IN BLUE ARE LESS THAN .4 FC
MAINTAINED LIGHT LEVELS

DISCLAIMER:
The lighting calculations contained herein are for estimation purposes only and are based upon information provided at the time of calculation. Actual results may differ due to variances in surface finishes and reflectance, supply voltage, and final fixture placement. LEC - Ward Burton & Co. will not be held responsible for light level differences encountered as a result of these variances.

Symbol	Qty	Label	Description	Lum. Lumens	LLF	Lum. Watts	Total Watts
1	16	FL	FXL-190-4K-K	19061	0.900	193.5	3096
2	5	WF	WGH-225L-4K-O-L	10152	0.900	97.1	485.5
3	2	EX	EXISTING 400W MH FLOOD	23021	0.700	460	920

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PROPERTY LINE	Illuminance	Fc	0.08	0.4	0.0	N.A.	N.A.
TRUCK LOT	Illuminance	Fc	1.26	6.6	0.2	6.30	33.00

LEC-Ward Burton & Co.
Illuminance Measurements, Representations
& Calculations

Drawn By: EEB
Checked By: [Signature]
Date: 11/24/2019
Scale:

Filename: GREAT DANE TRUCKING.AGI

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FXL LED DECORATIVE FLOOD

Specifications:
Intended Use: Extra large LED flood with a variety of NEMA distribution for lighting applications such as safety, security, accent, flag pole, columns, area or signs.
Construction: Corrosion resistant, rugged die-cast aluminum housing with powder coat paint finish. Tempered glass lens protects LEDs and allows for easy cleaning/maintenance removal. Vented housing isolates LED module from driver, maximizing product life and performance. Visor, lower and vandal accessories available.
LED: 56 high powered LEDs deliver up to 21,000 lumens. 5000K CCT 70 CRI, 4000K 70 CRI, 3000K 80 CRI.
Optical/Electrical: Variety of NEMA distributions - N (3x3), M (4x4), NM (3x4) and W (8x8) - for wide range of lighting applications. 10KA surge protector comes standard.
Optical/Electrical (Cont): 0-10V dimming driver standard, continuous dimming option to have leads pulled out for easy connection.
Certifications/Lists: DLC, IP65.
Ordering Information - Stock Version:

Catalog Number	Mount	Max Candle Power	Beam Pattern	Wattage	LEDs	Voltage	Color Temperature	Lumens	LPW	Weight (lbs. kg)	Finish
FXL-190-T	Yoke	13804	Wide	195w	56	120-277V	5000K	21490	113	36.2 (16.4)	
FXL-190-4K-Y	Yoke	115591	Wide	195w	56	120-277V	4000K	20732	109	36.2 (16.4)	
FXL-190-K	Knuckle	13804	Wide	195w	56	120-277V	5000K	21490	113	36.2 (16.4)	Bronze
FXL-190-4K-K	Knuckle	12925	Wide	195w	56	120-277V	4000K	20732	109	36.2 (16.4)	

Ordering Information - Made to Order:

Family	# LEDs	Watts	CCT	CRI	Distribution	Voltage	Mounting	Finish	Control Option	Options
FXL	56	195W	195W	70	N	3x3	U 120V	K Knuckle	DB Bronze	PC Photocolor
FXL	56	195W	195W	70	N	3x3	U 120V	Y Yoke	BL Black	F Fitting
FXL	56	195W	195W	70	N	3x3	U 120V	Y Yoke	WH White	Y Yoke
FXL	56	195W	195W	70	N	3x3	U 120V	Y Yoke	GR Gray	Y Yoke
FXL	56	195W	195W	70	N	3x3	U 120V	Y Yoke	PS Platinum Silver	Y Yoke
FXL	56	195W	195W	70	N	3x3	U 120V	Y Yoke	CC Custom Color	Y Yoke

SSS-H SERIES POLES SQUARE STRAIGHT STEEL

Applications: Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location.

Construction:
 • SHAFT: One-piece straight steel with square cross section, flat sides and minimum 0.23" radius on all corners; Minimum yield of 46,000 psi (ASTM-A500, Grade B); Longitudinal weld seam to appear flush with shaft side wall; Steel base plate with axial bolt circle sizes welded to pole shaft having minimum yield of 36,000 psi (ASTM A36).
 • BASE COVER: Two-piece square aluminum base cover included standard.
 • POLE CAP: Pole shaft supplied with removable cover when applicable; Tenon and post-top configurations also available.
 • HAND HOLE: Rectangular 3x5 steel hand hole frame (2.38" x 4.38" opening); Mounting provisions for grounding lug located behind gasketed cover.
 • ANCHOR BOLTS: Four galvanized anchor bolts provided per pole with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling.
Finish:
 • Durable thermoplastic powder coat paint finish with nominal 3.0 mil thickness.
 • Powder paint prime applied over "white metal" steel substrate cleaned via mechanical shot blast method.
 • Decorative finish coat available in seven standard colors; Custom colors available; RAL number preferable; Internal protective coating available.
Warehouse 'Stocked' Poles:
 • SSSH20-40A-4-HV-DB-RDC, SSSH25-40A-4-HV-DB-RDC and SSSH30-50B-4-HV-DB-RDC
 • The HV designation in the above catalog numbers is a combination drill pattern of the Hubbell Outdoor S2 pattern and the Beacon B3/B4 Viper pattern (rectangular arm mounting).

Ordering Example: SSS-H - 25 - 40 - A/B/C - 2L - S2 - DB - UL

Series	Height	Shaft	Thickness	Mounting	Drill Pattern	Finish	Options
SSS-H	25	40	A/B/C	1 Single arm mount 2 Two fixtures at 180° 2L Two fixtures at 90° 3T Three fixtures at 90° 4 Four fixtures at 90° TA Tenon (2.38" OD x 4.38") TB Tenon (2.88" OD x 4.38") TC Tenon (3.5" OD x 6.75") TR Removable Tenon (2.375 x 4.25) OT Open Top (includes pole cap)	S2 #2 2 bolt 3.5" pattern	DB Dark Bronze BL Black Textured WH White Textured GR Gray Textured PS Platinum Silver CC Custom Color	HSC Internal Coating (Hubbell Seal) GFF 20 Amp GFI Cover DHP 5" Handhole COP 25" Coupling COP 25" Coupling MPB Mid-pole Luminaire Bracket VMZ 2nd mode vibration damper LAB Less Anchor Bolts UL UL Certified

Accessories - Order Separately:

Catalog Number	Description
VMZ	1st mode vibration damper
VMZSX	2nd mode vibration damper

Mounting Orientation: Diagram showing pole orientation with handhole location and dimensions.

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PROJECT TITLE
IMPROVEMENT PLANS
MIDWAY TRAILERS INC DBA
MISSOURI GREAT DANE
LIGHTING PLANS

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*** 12/12/2018, Review Set, NOT APPROVED FOR CONSTRUCTION ***