	Calculation Summary Label Avg Max Min Avg/Min Max/Min EXTENDED 0.85 5.5 0.0 N.A. N.A.	<u> </u>
	EXTENDED 0.85 5.5 0.0 N.A. N.A. PARKING LOT SURFACE 2.73 5.5 0.8 3.41 6.88 LIGHT LEVELS ARE MAINTAINED FOOT-CANDLES, INITIAL LEVELS ARE SLIGHTLY HIGHER	desig
		VIPER LUM
	Luminaire Schedule Symbol Qty Label Arrangement Luminaire LLF Luminaire Description	FEATUR
	Lumens Watts 2 A SINGLE 20656 0.900 158 VP-1-160L-160-4K7-4F-UNV-A-DBT / SES-25-40-01-F-B4-DBT 1 B SINGLE 22468 0.900 158 VP-1-160L-160-4K7-4W-UNV-A-DBT / SES-25-40-01-F-B4-DBT	application • Featuring to which prov
	NOTE: LIGHT LEVEL ON PARKING LOT TO BE 0.4 FOOT-CANDLE OR GREATER	Rated for h rated for 1.5Control opt
	LIGHT LEVEL AT HTE PROPERTY LINES NOT TO EXCEED 0.5 FOOT-CANDLE FIXTURES ARE 158W 4000K LED FIXTURE C HAS BACKLIGHT CONTROL POLES ARE 25'-0" ON 2'-0" BASES FOR AN OVERALL FIXTURE HEIGHT OF 27'-6" A.F.G.	Intelligence New custor be customi
	POLES ARE 25'-0" ON 2'-0" BASES FOR AN OVERALL FIXTURE HEIGHT OF 2/'-6" A.F.G.	Field intercl
	PHOTOMETRIC PLAN NOTES	c (UL) us
	LIGHTING VALUES WILL BE REVIEWED ON SITE PRIOR TO THE FINAL OCCUPANCY INSPECTION.	CONTRO
		CONSTRUCT • Die-cast ho fins are opt
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		720 LED co application: power LED luminous su appearance
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		on page 3 • Both optics with minima reducing light
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		backlight of shields can illumination • One-piece
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	0' 20' 40'	60'



IPER Area/Site

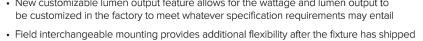
CATALOG #: VP-1-160L-160-4K7-4x-UNV-A-DBT(-BC)

DATE: LOCATION: O'Fallon, MO

TYPE: A, B | PROJECT: Drake's

MICROSTRIKE STRIKE

- profile LED area/site luminaire with a variety of IES distributions for lighting cations such as auto dealership, retail, commercial, and campus parking lots
- ring two different optical technologies, Strike and Micro Strike Optics, h provide the best distribution patterns for retrofit or new construction
- ed for high vibration applications including bridges and overpasses. All sizes are
- ol options including photo control, occupancy sensing, NX Distributed igence™, wiSCAPE and 7-Pin with networked controls
- sustomizable lumen output feature allows for the wattage and lumen output to





ROL TECHNOLOGY

STRIBUTED" WISCAPE"

CIFICATIONS

RUCTION cast housing with hidden vertical heat are optimal for heat dissipation while

- ing a clean smooth outer surface sion resistant, die-cast aluminum housing
- 000 hour powder coat paint finish rnal hardware is corrosion resistant
- Strike Optics (160, 320, 480, or ED counts) maximize uniformity in ations and come standard with mid-LEDs which evenly illuminate the entire nous surface area to provide a low glare
- rance. Catalog logic found on page 2 Optics (36, 72, 108, or 162 LED counts) le best in class distributions and mum pole spacing in new applications high powered LEDs. Strike optics are n place with a polycarbonate bezel to the appearance of the Micro Strike so both solutions can be combined same application. Catalog logic found
- optics maximize target zone illumination minimal losses at the house-side, ing light trespass issues. Additional tht control shields and house side s can be added for further reduction of
- nation behind the pole iece silicone gasket ensures a erproof seal
- up-light at 0 degrees of tilt rotatable optics
- ing patterns for each arm can be
- nal universal mounting block for ease tallation during retrofit applications. able as an option (ASQU) or accessory uare and round poles.
- unting hardware included

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• For products with EPA less than 1 mounted to a pole greater that 20ft, a vibration damper is recommended

Knuckle arm fitter option available for 2-3/8"

ELECTRICALUniversal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz

INSTALLATION (CONTINUED)

- Ambient operating temperature -40°C to 40°C Drivers have greater than 90% power factor and less than 20% THD • LED drivers have output power over-voltage,
- over-current protection and short circuit protection with auto recovery Field replaceable surge protection device provides 20kA protection meeting ANSI/ IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is
- compromised Photo control, occupancy sensor programmable controls, and Zigbee wireless controls available for complete on/off and dimming
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application 7-pin ANSI C136.41-2013 photocontrol
- receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately) 0-10V Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require

connection to the dimming leads. Must specify if wiring leads are to be greater than the 6" standard

Dimensions

CONTROLS (CONTINUED)

- NX Distributed Intelligence™ available with in fixture wireless control module, features dimming and occupancy sensor wiSCAPE® available with in fixture wireless control module, features dimming and occupancy sensor. Also available in 7-pin configuration
- **CERTIFICATIONS** Meets the qualifications for DLC Premium
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient
- 1.5 G rated for ANSI C136.31 high vibration
- Fixture is IP65 rated Meets IDA recommendations using 3K CCT configuration at 0 degrees of tilt
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/23/2020. See Buy American Solutions.

5 year warranty

See HLI Commercial and Industrial Outdoor Lighting Warranty for additional information

KEY DATA					
Lumen Range	5,000-80,000				
Wattage Range	36–600				
Efficacy Range (LPW)	92–155				
Weight lbs. (kg)	13.7-30.9 (6.2-13.9)				

HUBBELL Lighting



SES POLES SQUARE STEEL STRAIGHT POLES (SSP)

cifications

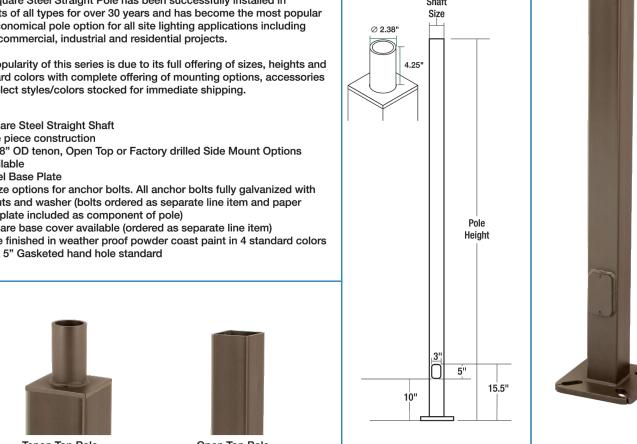
juare Steel Straight Pole has been successfully installed in cts of all types for over 30 years and has become the most popular conomical pole option for all site lighting applications including commercial, industrial and residential projects.

opularity of this series is due to its full offering of sizes, heights and rd colors with complete offering of mounting options, accessories elect styles/colors stocked for immediate shipping.

- uare Steel Straight Shaft
- piece construction 1/8" OD tenon, Open Top or Factory drilled Side Mount Options
- ize options for anchor bolts. All anchor bolts fully galvanized with nuts and washer (bolts ordered as separate line item and paper
- plate included as component of pole) uare base cover available (ordered as separate line item)
- x 5" Gasketed hand hole standard







ering Information Ordering Example: SES-XX-XX-X-XX-XX-XX-XX

SES	25		25		25 40 01		<u>F</u>		<u>B4</u>		DB	
Series	H	Height		Size		Gauge		Mounting		Drilling		Color
SES Square Steel	18	18 Feet	40	4"x4" Shaft	1	11 Gauge .119" thick	TA	2 3/8" OD Tenon4	2	Drill Pattern 2	DB	Dark Bronze
Straight Pole	20	20 Feet	50	5"x5" Shaft	7	7 Guage .179" thick	OT	Open Top Pole ²	6	Drill Pattern 6	WH	White
	22	22 Feet				1	ТВ	2 7/8" OD Tenon ⁴	26	Drill Pattern 26	BL	Black
	25	25 Feet					Α	Side-Single	C	Custom Drill	PS	Platinum Silver
	28	26.6 Feet					В	Side-Double at 90°		Pattern ³		
	Note: Cu	I ustom Pole heights					C	Side-Double at 180°	B4	Drill Pattern Viper		
available, just note required height (pole will be cut down to required height from next				D S		Side-Triple at 90°	D0	Small Drill Dattern Viner				
		le heights offered)					F	Side-Quad at 90°	В3	Drill Pattern Viper Large		

Top Poles include a pole cap ailed drawing of custom drill pattern required must be submitted at time of ordering on 4.25" tall

If Road, Suite 460, Rolling Meadows, IL 60008-4704 1-800-LIGHT IT, 1-800-544-4848, Fax: 847-279-0642 t ©2016 Security Lighting, a division of Hubbell Lighting, Inc. Reserved. • Specifications subject to change without notice. • Printed in U.S.A. • SLS0017 01/18

HUBBELL Lighting

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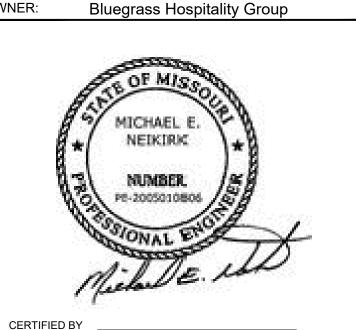
REVISIONS

۷O.	DESCRIPTION	DATE
	CONSTRUCTION DOCUMENTS	11/29/22

MICHAEL E. NEIKIRK PE

Civil Engineer 306 North Market Street, Ste 101 Mt. Carmel, IL 62863 Phone: (618) 263-4100

SCALE:	1"=20'
DRAWN BY:	RM
DESIGNER:	TJL,RM
CHECKED BY:	TJL
ENGINEER:	Michael E. Neikirk
ARCHITECT:	IDesign



OWNER:

DRAKE'S RESTAURANT 900 HIGHWAY K O'FALLON, MO

DRAWING TITLE

PHOTOMETRIC SITE PLAN

FILE LOCATION DRAWING NUMBER