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Date: 2021.01.13
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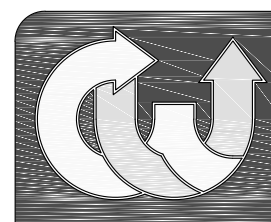
① PHOTOMETRIC SITE PLAN
3/32" = 1'-0"



NEW BUILDING COMMERCIAL

N POWERLINE ROAD & NW 4TH STREET
POMPANO BEACH, FL 33069

SCHIMBERG
Group
40 S. PINEAPPLE AVE., SUITE 101
SARASOTA, FL 34236
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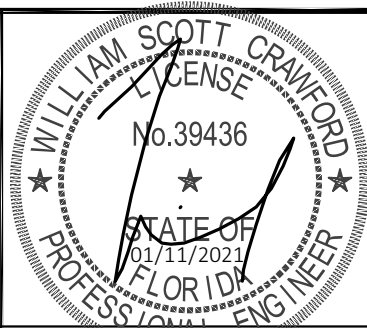


**CRAWFORD,
WILLIAMS
ENGINEERING,
Incorporated**
MECHANICAL, ELECTRICAL
PLUMBING & FIRE
CO. 7000

6989 PROFESSIONAL PKWY. E.
SARASOTA, FLORIDA 34240
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Rev.#	Description of ISSUE	Date
	SITE PLAN APPROVAL	01.08.21
	SITE PLAN APPROVAL	12.07.20
	SITE PLAN APPROVAL	10.12.20
	SITE PLAN APPROVAL	08.28.20
	SITE PLAN APPROVAL	06.10.20
	SITE PLAN APPROVAL	03.12.20
	SITE PLAN APPROVAL	10.29.19
	SITE PLAN APPROVAL	09.03.19
	SITE PLAN APPROVAL	06.20.19

Date _____



Client Approval
Date:

PHOTOMETRIC SITE PLAN

PLAN NORTH	Project No.	Sheet No.	
	C-180		
	Drawn		
	GAC WSC		

~~PZ18-12000028~~
2/2/21

VIPER S

STRIKE

SMALL VIPER LUMINAIRE

Cat.#		
Job	Type	
Approvals		

SPECIFICATIONS

Intended Use:
The Beacon VIPer Luminaire is available with a wide choice of different LED Wattage configurations and beam distributions designed to replace HD lighting up to 400W MH or RFS.

Construction:

- Manufactured with die cast aluminum.
- Coated with a polyester finish that meets ASTM B117 corrosion test requirements and ASTM D522 cracking and loss of adhesion test requirements.
- External hardware is corrosion resistant.
- One piece optical cartridge system consisting of an LED engine, LED lamps, optics, gasket and stainless steel base.
- Cartridge is held together with internal brass standoffs soldered to the board so that it can be fed replaced as a one piece optical system.
- Two-piece silicone and micro-cellular polyurethane foam gasket ensures a weather proof seal around each individual LED.

Electrical:

- 100V through 277V, 50 Hz to 60 Hz (UNV), or 24V or 480V Ined.
- Power factor is >90 at full load.
- Dimming drivers are standard, but must connect factory to request wiring leads for purpose of external dimming controls.
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is certified by UL for use at 800MAAC @ 90°C or higher.
- Plug disconnects are certified by UL for use at 600 VAC, 15A or higher, 13A rating applicable to primary (AC) side only.
- Fixture electrical compartment shall contain all LED driver components and shall be provided with a push-button terminal block for AC power connections.
- Burge protection - 20KA.
- Optional 7-pin ANSI C136.41-2013 twist-lock photo control receptacle available. Compatible with ANSI C136.41 external wireless control devices.
- LifeShield™ Circuit - protects luminaire from excessive temperature. The device shall activate at a specific, factory-preset temperature, and progressively reduce power over a finite temperature range. Operation shall be smooth and undetectable to the eye.

Thermal circuit is designed to "roll off" allowing the luminaire to revert to full power in the event of an interruption of its power source or faulty wiring connection to the drivers. The device shall be able to co-exist with other 0-10V control devices (occupancy sensors, external dimmers, etc.).

PRODUCT IMAGE(S)

DIMENSIONS

A	B	C	Weight:	EPA
21.52" (557 mm)	16.75" (425 mm)	11.25" (286 mm)	15.0 lbs (6.8 kg)	67 ft ²

MOUNTING OPTIONS

Side View

Rectangular Arm (A)

Back View

Side View

2-3/8" OD Slip Fitter (MAP)

Back View

2-3/8" Adjustable Knuckle (K)

Wall Bracket (WB)

AD Decorative Arm

CERTIFICATIONS/LISTINGS

UL

IDA

DLC

"0000" and warning C075 only

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LTR-6RD

LITEISTRY 6" ROUND DOWNLIGHT

FEATURES

- 6" architectural LED downlight delivering 600 – 9000 lm
- Four beam distributions from 0.2 to 11 Spacing Criteria
- Quiet reflector appearance with superior 50° optical cutoff
- 2700K – 5000K, 80+ and 90+ CRI options
- Available for New Construction (non-IC), Retrofit (non-IC), IC and Chicago Plenum applications
- Variety of dimming protocol options including 0-10V, DALI, DMX, Lutron Forward Phase, and EcoSystem
- NX Distributed Intelligence™ wired and wireless controls capability available






CONTROL TECHNOLOGY

NX DISTRIBUTED INTELLIGENCE™

SPECIFICATIONS

CONSTRUCTION

- Standard Non-IC: Chicago Plenum, IC and Retrofit options
- New Construction: Painted black durable steel platform with pre-installed bar hangers
- Retrofit: Die cast aluminum mounting ring with 5-axis adjustable junction box
- Retrofit housing allows below ceiling installation without removing existing fixture
- Pre-wired junction box with snap-on covers for easy access
- Snap-in connection from driver compartment allows easy installation
- Light Engine connections use plenum rated (CMP) cable

OPTICS

- Visually pleasing 50° cutoff to source and source image
- The light distribution is free of distracting bright spots or overillumination and the perimeter has a smooth transition
- Optical grade silicone lens integral to light engine
- High purity sun aluminum reflector, self-flanged
- Flush Mount flange option with mud-in ring available
- Large selection of anodized finishes and colors
- Painted cones and flange options available

ELECTRICAL

- Chip-on-board LED with 2 SDCM
- Multiple CCTs, 80+ or 90+ CRI
- Long LED life: L90 at >55,000 hours (TM-21)
- Universal voltage 120V-277V driver, 347V optional
- UL Class 2, inherent short circuit and overload protection, RoHS compliant
- Flicker free 0-10V dimming with 7% or <1% performance
- DALI, DMX, Lutron Forward Phase and EcoSystem options
- NX or Lutron Vive control options available
- Integral and remote controller and battery pack options available
- Refer to additional spec sheets for information on SpectraSync™ Tunable White or Dim-to-Warm or PowerHUB™ PoE enabled solutions

INSTALLATION

- Accommodates ceiling thickness up to 2" (SL, ML, HL) up to 125" (ML, XL)
- Universal adjustable mounting brackets also accept 0.5" EMT conduit or 1.5" or 0.75" latching channel (by prescote) or Prescote accessory bar hangers (B24 or B6)
- Light Engine/Driver fully serviceable from above or below the ceiling

DATE: 8/26/2020

TYPE: R

CATALOG #: LTR-6RD-H.SLXL.DML.LTR-6RD-T.SL40K.8WDMFCWIT

LOCATION: POMFANO BEACH, FL

PROJECT: IMECA LUMBER

LITEISTRY



RELATED PRODUCTS



LITEISTRY Family



LITEISTRY Family



LITEISTRY Family

CERTIFICATIONS

- cULus certified to UL 1598
- For 270L: Marked spacing required 36" fixture center to center; 36" fixture center to building member; 0.5° above fixture
- Suitable for wet locations, covered ceiling, EM/ EMI: Suitable for damp locations
- EM/EMI: Certified under UL 924 standard for emergency lighting and power equipment
- Approved for 8 (4 in.) out No. 12AWG conductors rated for 90°C through wiring
- ENERGY STAR® certified models available (See list and additional information on page 8)
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American Construction. Materials under Trade Agreements effective 6/6/2020. See [Buy American Solutions](#)

WARRANTY

- 5 year warranty
- See [UL1 Standard Warranty](#) for additional information

KEY DATA	
Lumen Range	600-9000
Wattage Range	8-99
Efficacy Range (LPW)	94-104
Reported Life (Hours)	L90 / >55,000
Input Current (mA)	65-825 (20V)

*Based on Specifier, 900, 800, 100

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178-080

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ORDERING INFORMATION

ORDERING EXAMPLE: VPS-24L-55/4K/74W/UNV/A/DBT/7PR-TL/GEN-04/BC

VPS							
SERIES	LED ENGINE	CGT/CRP*	ROTATION	VOLTAGE	COLOR	OPTIONS	
VPS Viper	24L-55 55W, LED array	3K7 3000K, 70 CR	Leave blank for no rotation	UNV 120-277V	BL Black Textured	F Fusing	
	36L-65 65W, LED array	4K7 4000K, 40W CR	L ¹ Optic rotation left	120 120V	DB Dark Bronze Textured	BSP Bird Spikes	
	36L-80 80W, LED array	5K7 5000K, 70 CR	R ¹ Optic rotation right	208 208V	GYS Light Gray Smooth	BC Backsheet (available for FR, 2, 3, 4, 4W Optics)	
				240 240V	PL Platinum Silver Smooth		
				277 277V	WH White Textured		
				347 347V	CA Custom Color		
				480 480V			
DISTRIBUTION							
48L-110 110W, LED array	FR Type 1/Front Row						
60L-136 136W, LED array	2 Type 2						
	3 Type 3						
	4 Type 4						
MOUNTING							
A Rectangular Arm (formerly RA) for square or round pole							
MAF Mast Arm Fitter (formerly SF2) for 2-3/8" Ø horizontal arm							
K Kiosks (formerly PK2) limit to 45° tilt or 2 Kiosks (Ø horizontal arm or vertical lantern)							
WB Wall Bracket							
AD Universal Arm for square pole							
AD3 Universal Arm for 2.4"-4.1" round pole							
AD5 Universal Arm for 4.2"-5.3" round pole							
AD6 Universal Arm for 5.5"-5.9" round pole							
AD6 Universal Arm for 6.0"-6.5" round pole							
CONTROL OPTIONS							
7PR 7-pin Receptacle only (bracketing cam, photo control, or wireless control provided by others)							
7PR-SC 7-pin Receptacle w/Shorting Cap							
7PR-TL 7-pin Receptacle w/Twist Lock photo control							
SCP ¹ _F14 Programmable Bridge Module w/ photo control (120-277 volts only)							
GEN-XX ¹ EMERGENCY							
SWP ^{1A} SiteSync Pre-Commission							
SWP ^{1A} SiteSync Pre-Comm w/ Sensor							

HOUSE SIDE SHIELD ACCESSORIES

HSSVP-S90-FB/XXX 90° shield front or back

HSSVP-S180-L/XXX 180° shield left or right

HSSVP-S1270-FB/XXX 270° shield front or back

HSSVP-S1270-L/XXX 270° shield left or right

HSSVP-S360/XXX Full shield

(Replace XXX with rotation for desired finish color)
(Refer to page 5 for paint finish options)

MOUNTING ACCESSORIES

VPL-AD-RP43 2.4"-4.1" Round Pole Adapter for AD arm

VPL-AD-RP44 4.2"-5.3" Round Pole Adapter for AD arm

VPL-AD-RP45 5.5"-5.9" Round Pole Adapter for AD arm

VPL-AD-RP46 6.0"-6.5" Round Pole Adapter for AD arm

1 Not available with other wireless control or sensor options

2 Specify mounting height: 4' or 8' max, 48" or 84"

3 Specify mast setting code (example: D24) See EMERGENCY brochure and instructions for setting table and options. Not available with other or SiteSync controls

4 Specify genre and one or more of 2 or 3. See www.hubbellgates.com/ctscmp for further details. Order at least one SiteSync sensor (Accessory Switch or Diffuse). Each option contains: Programmable Control, 300' and 100' cable and 10' distribution

5 Only available with 1A, 2, 3, 4, 4W and 6W distributions

6 All wall and VSP-180MT/1P are project location and occupancy control

7 This product is approved by the Florida Fire and Wildlife Commission. Separate space available at: <http://www.floridafireandwildlife.com/Products/Products.aspx>

PRECISIONMOUNT SITE SYNC ORDERING INFORMATION: When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate accurate information must be completed. This form includes Project location, Group information, and Operating schedule. For more detailed information please visit www.hubbellgates.com/Products/Products.aspx or contact Hubbell Lighting tech support at (800) 364-4028.

SiteSync fixtures with Motion control (SWP) require the mounting height for the fixture for selection of the sensor.

Examples: VPS-24L-55/4K/74W/UNV/A/DBT/SWP SiteSync only

VPS-36L-65/4K/74W/UNV/A/DBT/SWPMA-40F SiteSync with Motion Control

LEFT ROTATED OPTIC

RIGHT ROTATED OPTIC

SWP/FR

SWP/TR

SiteSync 7-Pin Module

SiteSync features in a new form

Available as an accessory for new construction or retrofit applications with existing 7-Pin receptacle

Does no interfere with occupancy sensors

SiteSync

SWP/FR

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PGN
High Performance LED Sconce

SPECIFICATIONS

Electronics

The PGN has two modes of operation:
Normal mode: In normal mode, power is supplied from 120V or 277V AC source and may be switched on/off allowing the unit to behave like a typical luminaire.

Emergency mode: Upon failure of normal utility power, an external (6-12VDC) emergency power source (supplied separately) having transfer logic will operate the PGN as an emergency unit. In order for the unit to function properly as emergency lighting (NEC 700.12), the DC emergency source must be powered (under normal conditions) from the same AC circuit as that to the unit.

Number of Lamps: Four High Output LEDs
LED LampLife: 48,000 hrs. at 70% of initial

Lamp Configuration: 4 individually driven LEDs provide illumination. In the event of 1 or 2 LED failures, the remaining LEDs will continue to function.

Lamp Color: Neutral White, 4000K
Color Rendering Index (CRI): 75
Total Lamp Output: 445 Lumens min. initial
Input: 120/277VAC, 60 Hz "Normal"
6-12VDC "Emergency"
Functional Circuitry: Transient surge protection

Operating Temperature Range

-30°C to 50°C (-22°F to 122°F)

Power Consumption:

Normal

17W @ 120VAC, 17W @ 277VAC

Emergency

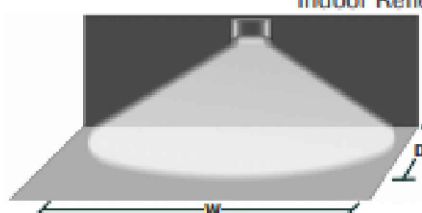
12W @ 6VDC, 13W @ 12VDC

Power Factor: Average .80 (lagging)

ILLUMINATION PATTERN

Single Unit Coverage

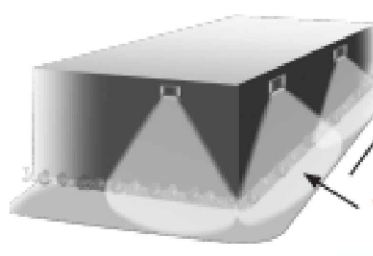
Mounting Height: 9'
Outdoor Reflectance: 0/30/10
Indoor Reflectance: 80/50/20



	Indoor	Outdoor
1 FC Average (W x D)	35' X 10'	29' X 10'
1 FC Minimum (W x D)	11' X 10'	10' X 10'

Multiple Unit Spacing

Mounting Height: 9'
Illuminated Path Depth: 6'
Outdoor Reflectance: 0/30/10
Indoor Reflectance: 80/50/20



	Indoor	Outdoor
1 FC Average	49'	37'
1 FC Minimum	19'	16'

DIMENSIONS

COMPATIBLE EMERGENCY UNITS

		6 V DC	12 V DC	120/277 VAC	Remote Capacity	# of PGN
Combo ⁽¹⁾	HXCURW-RC12	✓			12 W	1
	HXCURW-0-RC12	✓			23 W	1
	LZ30	✓			20 W	1
	LZ65	✓			55 W	4
	LM33	✓			18 W	1
Unit ⁽¹⁾	LM40	✓			25 W	2
	LM40-12V		✓		25 W	2
	AS80	✓			65 W	5
	AS80	✓			125 W	6
Inverter	LiteGear® LG125			✓		

⁽¹⁾ Each instance assumes standard lamp-heads are used on the unit, except the **HXCURW-0-RC12**, which is supplied without lamp heads.

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HUBBELL
Lighting

0933A36 05/17

Shakespeare
A valmont BRAND

O-SERIES

Composite Light pole

O-Series

Direct Burial

ROUND TAPERED COMPOSITE LIGHT POLE DIRECT BURIAL INSTALLATION

SHAKESPEARE O-SERIES DIRECT BURIAL POLES

Mounting Height

Overall Length

OVERALL LENGTH	MOUNTING HEIGHT	BURIAL DEPTH	TIP DIAMETER	GROUNDLINE DIAMETER	WEIGHT
13	10	3	4.1	5.4	26
14	11	3	4.1	5.6	29
15	12	3	4.1	5.7	31
16	13	3	4.1	5.8	34
18	14	4	4.1	5.9	37
19	15	4	4.1	6.1	38
20	16	4	4.1	6.2	42
21	17	4	4.1	6.3	45
22	18	4	4.1	6.5	49
23	19	4	4.1	6.6	51
24	20	4	4.1	6.7	52

- Mounting heights to 20 feet
- Smooth, semi-smooth or natural finish
- 3 standard and 5 special architectural colors available
- High performance UV and weather-resistant pigmented resin system with an additional pigmented polyurethane coating.
- Tenon top or Drilled and Capped
- Standard 2-1/2" x 5" handhole located 18" above grade
- Standard 2 EA - 2-1/2" x 8" wire access hole 24" below grade
- Anti-rotation flare structurally integrated into the pole base during manufacture
- Poles are individually identified with a permanent embossed tag located 9" from tip.
- Sleeved individually for shipment
- Lightweight, easy to install, saves money

ORDERING INFORMATION

B O 24 — 01 S 1 (*)

	Project Name:	
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	NEW BUILDING COMMERCIAL	
	N POWERLINE ROAD & NW 4TH STREET POMPAÑO BEACH, FL 33069	
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	SITE PLAN APPROVAL	06.20.19
		Date
Client Approval Date:	WM: Scott Crawford FL# P.E.39436 Date: 08-31-20	
ELECTRICAL SITE NOTES		
PLAN NORTH 	Project No. C-18 Drawn: GAC WSC	Sheet No. E-01
8718 12000028 2/2/21		
TO THE BEST OF THE ENGINEER'S KNOWLEDGE, SAID PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS AS DETERMINED IN ACCORDANCE WITH CHAPTERS 553 AND 633, FLORIDA STATUTES		