LAWSON GROUP
ARCHITECTS, INC.

Luminaire Schedule

Label	Arrangement	Lumens	LLF	Description	Watts
H	SINGLE	1485.4	1.000	ELITE: HH6-LED-1500L-DIM10-MVOLT-WD-40K-90/HH6-8535-CL-WH	21.5
H-EM	SINGLE	1485.4	1.000	ELITE: HH6-LED-1500L-DIM10-MVOLT-WD-40K-90/EMG-LED-10W/HH6-8535-CL-WH	21.5
SA4	SINGLE	N.A.	0.950	BEACON: VPS/24L-55/4K7/4W/VOLTAGE/A/COLOR/BC	53.2
SA5	SINGLE	N.A.	0.950	BEACON: VPS/24L-55/4K7/5QM/VOLTAGE/A/COLOR/BC	81

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
EDGE OF ROADWAY	Illuminance	Fc	0.00	0.0	0.0	N.A.	N.A.
ENTRANCE	Illuminance	Fc	20.54	26.1	15.9	1.29	1.64
PARKING - BETWEEN CURBS	Illuminance	Fc	2.03	4.2	0.2	10.15	21.00
PROPERTY LINE	Illuminance	Fc	0.13	0.7	0.0	N.A.	N.A.
SIDE ENTRANCE	Illuminance	Fc	10.23	16.3	6.8	1.50	2.40
SIDEWALKS TO ENTRANCE	Illuminance	Fc	3.59	7.7	2.6	1.38	2.96

ATM LIGHTING NOTE
NOTE: THE EXTERIOR LIGHTING HAS BEEN DESIGNED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA STATUTE 655.962.

PHOTOMETRIC NOTE
NOTE: THESE CALCULATIONS ARE FOR GUIDANCE ONLY. RESULTS DEPEND ON PROVIDED INFORMATION AND ANY CHANGE IN DIMENSIONS, COLORS, REFLECTANCE, TEXTURES OR OTHER PROPERTIES WILL AFFECT THE RESULTS. MEASURED VALUES MAY DIFFER FROM CALCULATED VALUES DUE TO CALCULATION METHODS AND OR ENVIRONMENTAL CONDITIONS.

CALLE LAESCUELA
20' ALLEY

CALLE DE ORO
20' ALLEY

PROPERTY LINE

ATM
NIGHT DROP

60 FT RADIUS FROM ATM
50 FT RADIUS FROM ATM

MH=16'
SB4W
MH=20'
SA5
MH=20'
SA5
MH=16'
SB4W
SA4W
MH=20'

ELECTRICAL SITE PHOTOMETRIC PLAN
SCALE: 1/8"=1'-0"

16' MOUNTING HEIGHT

Utilities Structures Inc.
1.800.798.7646
USI22TI-7646

Prestressed Concrete Pole
- Pole Weight = 1,320 lbs
- EPA capacity = 6.0
- Wind speed = 170 mph V ult
- Risk Category II
- Exposure = "C"
- Wind Gust = 3 seconds
- Load factor = 1.3
- 2017 FBC 1609, & 1819.6.1
- ASCE 7-10
- Min. Brk. Strength = 1,400#
- Concrete = 6,500lbs @ 28 days
- Grd. Wire = #6 str. copper
- Strand = 3/8" @ 70% Ultimate
- Tenon = 2 7/8" OD x 5" Hgt.
- Color = Natural concrete, mold finish

SELECT STRUCTURAL, LLC

SHAWN R. ANDERSON, P.E., S.E.

5" X 2.375" OD TENON

Tenon is grounded internally via ground clamp

1" PVC Chase (power)

16'

22'

Hand hole has limited size will not accept fusing

Grade

7'6"

6'

1" PVC INLET

4'6"

Base 8.83"

Tip 5.25"

Single-point lift @ 5.0' from tip of pole

PROJECT:
This pole embedded 6' in to soils with an allowable passive pressure of 300pcf is structurally adequate to resist the local wind speeds of ___ Co. with the 2.0sqft epa attached.

20' MOUNTING HEIGHT

Utilities Structures, Inc.
PO Box 9303   Ft Myers, Fl. 33901
Ph. 1-800-798-7653 Fax. 1-941-332-7132
"Your Prestressed Concrete Pole Producer"

USI27TI+4-8656

Prestressed Concrete Pole
- Pole Weight = 1,460lbs
- EPA capacity= 9.5
- Wind speed= 160mph V ult
- Exposure "C"
- Risk Category II
- Gust Factor= 1.2
- 2017 FBC 1609, & 1819
- ASCE 7-10
- Min. Brk. Strength= 1,200#
- Concrete= 6,500lbs @ 28 days
- Grd. Wire= #6 copper
- Strand = 3/8" @ 70% Ultimate + (4) 3/8" Dormant
- Tenon= 2.375" OD x 5" Hgt.
- Finish = B grade troweled finish

Select Structural, LLC.

Shawn R. Anderson, P.E., S.E.

5"   5" X 2.375" OD

Tenon is grounded internal via grounding clamp

1" PVC CHASE (POWER)

20'   27'

Hand hole size is limited Will not accept fusing. with .125" Aluminum cover plate & Stainless Steel screws.

Grade

18"   8'6"

1" PVC Inlet

Backfill & compact to 90% in 6" lifts.

5'6"

7'

Base 9.15"   Tip 4.8"

PROJECT:
This pole embedded 7' in to soils with an allowable passive pressure of ___ pcf is structurally adequate to resist the local wind speeds of ___ County with the 1.0sqft epa attached.

MAXILUME
ARCHITECTURAL LIGHTING
By Elite Lighting

TYPE H, & H-EM
HH6-LED [6"]
6" Architectural High Lumen LED Downlight

HH6-6501 Flanged Downlight
HH6-6507 Flanged Wall Wash
HH6-6577 Flanged Double Wall Wash
HH6-TL-6501 Trimless Downlight
HH6-TL-6507 Trimless Wall Wash

CL-WH CL-SCH SHZ-WH SHZ-SHZ WT-WH W-BN MB-WH CL-BK MB-BK

FEATURES
A highly sustainable and ultra-efficient architectural LED downlight that provides even, glare-free illumination. Available in a range of finishes, distributions, and lumen packages, it is ideally suited for use in corporate office space, hospitality, healthcare, commercial, academic, churches and retail.

OPTICS AND REFLECTOR
The reflector has a 45° visual cutoff, and is shipped standard with a Solite lens in a smooth frosted finish. Spun from 0.05" thick aluminum, with a 1-step anodized finish, and available in different colors or custom RAL finishes. Reflector flange options include self-flanged and white painted flange. Various distribution options are available, and all optics are field changeable.

LUMENS	900, 1200, 1500, 2000, 3000, 4000, 6000, 8000 (Custom lumen packages available)
CCT & DYNAMIC PLATFORMS	27K, 30K, 35K, 40K, 50K, Tunable White, Dims to Warm, RGB + White
CRI	90+ Standard, 98+ Optional
COLOR QUALITY	2 Step MacAdam Ellipse
DISTRIBUTIONS	WD (Wide Distribution), MD (Medium Distribution) and ND (Narrow Distribution)
TRIM OPTIONS	Downlight, Wall Wash, Double Wall Wash, Wet Location
REFLECTOR COLORS	CL (Semi-Specular Chrome), SHZ (Low Iridescent Satin Haze), WT (Wheat), W (White), MB (Black)
FLANGE COLORS	Self-Flanged WH (White), SCH (Semi-Specular Chrome), SHZ (Low Iridescent Satin Haze), Blk (Black)
DIMMING	0-10V Flicker Free 1% Dimming Standard (DIM10), LUTH, LUTFTB, LUTZW, ELDO10.1, ELDODMX.1, ELDODALI.1, DIMTR
EMERGENCY	10W - Up to 1000L Output (Bodine BSL510) 20W - Up to 2000L Output (Bodine BSL20)
LIFETIME	L70 at 100,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
8000	7772	60 W
6000	5696	72 W
4000	4649	46 W
3000	3374	36 W
2000	2136	22 W
1500	1785	20 W
1200	1422	16 W
900	1056	12 W

Based on 4000K, 90+CRI with semi-specular chrome reflector. Actual wattage may vary +/-5%

A: 900L to 4000L; Height = 5-5/8"
A: 6000L to 8000L; Height = 9"
B: Trim Aperture = 6-3/8"
C: Cut-Out = 6-13/16"
D: Trim Outside Dia = 7-3/8"
E: Width = 13"
F: Length = 20-13"

WD: Wide Candlepower Distribution Curve
MD: Medium Candlepower Distribution Curve
ND: Narrow Candlepower Distribution Curve

Reference IES files for additional distribution curve information.

WET LOCATION

www.luseelite.com

MAXILUME
ARCHITECTURAL LIGHTING
By Elite Lighting

TYPE H, & H-EM
HH6-LED [6"]
6" Architectural High Lumen LED Downlight

THERMAL MANAGEMENT SYSTEM
Passive cooling Diecast Aluminum Heat Sink, LED light engine and driver are replaceable, upgradeable, and can be accessed from below the ceiling. The consistency in the quality of light is delivered with precision performance by the use of a unique locking mechanism that aligns the reflector with the light engine.

MOUNTING FRAME & BRACKETS
The downlight mounting frame is a fabricated assembly constructed of 16-gauge steel, with C-channel mounting brackets, included. The versatility of the mounting brackets allow for an adjustability of up to 28" horizontally, and 2-3/4" vertically, locking into place. With the added die-formed construction of the mounting frame, it provides maximum heat dissipation and rust protection.

DRIVER ELECTRICAL INFORMATION
The LED driver is rated for 50 to 60Hz, at 120V/277V, also available in 347V input, produces less than 20%THD, has a power factor between 90% and 100%, and is thermally protected for additional safety. Junction box and Driver can be accessed from below the ceiling and above the ceiling. Junction Box is Listed for through branch circuit wiring.

DIMMING & DRIVER OPTIONS
DIM10 - 0-10V dimming on either MVOLT 120, 277 and 347V. Dimmable down to 1% of initial lumens, standard.
DIMTR - Triac & Electronic low voltage dimming. Available in 120V, and up to 3000 lumens only.
LUT2W - Lutron LTEA2W Hi-Lume 1%, 2-wire LED Driver 120V Forward Phase only. Available on all luminaires up to 3000 lumens.
LUTH - Lutron LDE1 Hi-Lume 1% Eco System LED driver with Soft-on, Fade to Black dimming technology. Available on all luminaires up to 3000 lumens.
LUTFB - Lutron PEQ0E Hi-Lume Premier 1% Eco System LED Driver with Soft-on, Fade to Black dimming technology. Available on all luminaires up to 1500 lumens.
ELDO10.1 - EldoLED SoloDrive 0-10V. Dimming down to 0.1%.
DALI - DALI DT6, DT8 dimming down to 1%.
ELDODMX - EldoLED PowerDrive dimming down to 0.1%.
Please see EldoLED website for wiring diagrams and a list of compatible DMX and DALI control systems.

LED DYNAMIC PLATFORM OPTIONS

Tunable White with Smart White Technology utilizing the Lumenetix Platform allows you to color tune the luminaire via various controls. Create the perfect environment for the desired use of the space, while maintaining a CRI of 90+ across the tunable range of 8000 to 1650K. (Click here for more details)

Dims to Warm with Smart Dimming Technology. At 100% full brightness the luminaire is at 3000K. When dimmed to 1%, the light transitions to 1800K, creating a warm ambiance within the space. (Click here for more details)

RGB+White with Smart Hue Technology provides full color mixing of RGB and white colors. Utilizing the Lumenetix Platform allows you to choose from unlimited RGB color options, via various controls. Ideal for Circadian Rhythm applications or to create the perfect human centric environment. (Click here for more details)

WARRANTY
Five-year warranty for parts and components. (Labor not included)

LISTINGS
c-UL-us - Listed for Wet Location if used with HH6-6501 Trim.
c-UL-us - Listed for Feed Through Wiring.

U.S Patent No. - D685,118S
CP-City of Chicago environmental air (CCEA) marking for plenum applications.
Energy Star and California Title 24 compliant
Optional Black color trim is not ENERGYSTAR certified and won't meet the requirement.

Example: HH6-LED-2000L-DIM10-MVOLT-MD-40K-00-HH6-6501-CL-WH

SERIES	LUMENS	DRIVER	VOLTAGE	CCT	EMERGENCY	TRIM TYPE	REFLECTOR/FLANGE COLORS
HH6-LED	900L	DIM10	120	27K	EMG-LED-10W	HH6-6501 Flanged Downlight	CL-WH
	1200L	DIMTR ¹ ³	277	30K	EMG-LED-20W	HH6-6507 Flanged Wall Wash	CL-SCH
	1500L	LUTH ² ³	MVOLT	35K	INTG-EMG-LED-10W	HH6-6577 Flanged Double Wall Wash	SHZ-WH
	2000L	LUT2W ² ³	347	40K	INTG-EMG-LED-20W		SHZ-SHZ
	3000L	LUTFTB ³	(60K only)	50K		HH6-6535 Polycarbonate "Dead Front" Trim with Tempered Albalite Lens	WT-WH
	4000L	ELDO10.1 ¹					W-WH
	6000L	ELDODALI ¹				HH6-6534 Polycarbonate "Dead Front" Trim with Polycarbonate ClearLens	MB-WH
	8000L	ELDODMX ¹					CL-BK
							MB-BK
OPTICS	CRI	OTHER OPTIONS				TRIMLESS	
WD	90+	CP (Chicago Plenum)				HH6-TL-6501 Trimless Downlight	
MD	98+*					HH6-TL-6507 Trimless Wall Wash	
ND							
						OPTIONS	
						INTG Reflector shipped with pre-punched hole to accept INTG-EMG-LED	

www.luseelite.com

BEACON
TYPE SA4
VIPER S
SMALL VIPER LUMINAIRE

STRIKE OPTICS

DATE: | LOCATION:
TYPE: | PROJECT:
CATALOG #:

FEATURES
- Small size companion to Viper Large
- Wide choice of different LED wattage configurations
- Nine optical distributions
- Designed to replace HID lighting up to 400W MH or HPS
- Suitable for wet locations

CSA us   DLC   IDA

CONTROL TECHNOLOGY
NX DISTRIBUTED INTELLIGENCE   wiSCAPE   energent   SiteSync

RELATED PRODUCTS
Viper Large

SPECIFICATIONS

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
- IFS polyester powder-coat electrostatically applied and thermocured. IFS finish consists of a five stage pretreatment regimen with a polymer primer sealer and top coated with a thermoset super TGIC polyester powder coat finish
- The finish meets the AAMA 2604 performance specification which includes passing a 3,000-hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds
- External hardware is corrosion resistant

OPTICS
- Cartridge is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one-piece optical system
- One-piece silicone gasket ensures a weatherproof seal around each individual optic
- One-piece optical cartridge system consisting of an LED engine, optics, gasket and stainless steel bezel

INSTALLATION
- Mounting options for horizontal arm, vertical tenon or traditional arm mounting available. Mounting hardware included

ELECTRICAL
- Luminaire accepts 100V through 277V, 347V or 480V input 50 Hz to 60 1-ph (UNV)
- Power factor is ≥ .90 at full load
- Dimming drivers are standard, but CD must be selected in options to obtain external wiring leads for 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 600VAC at 90°C or higher
- Plug disconnects are certified by UL for use at 600 VAC, 13A or higher. 13A rating applies to primary (AC) side only
- Fixture electrical compartment contains all LED driver components
- Optional 7-pin ANSI C136.41-2013 Twist-Lock® photo control receptacle available. Compatible with ANSI C136.41 external applications with MAF mounting
- Ambient operating temperature -40°C to 25°C
- Surge protection: 20kA
- Lifeshield™ Circuit (see Electrical Data)

CONTROLS
- Available with an optional passive infrared (PIR) motion sensor capable of detecting motion 360° around the luminaire. When no motion is detected for the specified time, the motion response system reduces the wattage to factory preset level, reducing the light level accordingly. When motion is detected by the PIR sensor, the luminaire returns to full wattage and full light output. Please contact Beacon Products if project requirements very from standard configuration

CONTROLS (CONTINUED)
- Available with Energent for optional set dimming, timed dimming with simple delay, or timed dimming based on time of night
- In addition, Viper can be specified with SiteSync™ wireless control system for reduction in energy and maintenance costs while optimizing light quality 24/7

CERTIFICATIONS
- DLC® (DesignLights Consortium) Qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org
- Certified to UL 1598 and UL 8750
- 3G rated for ANSI C136.31 high vibration applications with MAF mounting
- IDA approved
- This product is approved by the Florida Fish and Wildlife Conservation Commission. Separate spec available online

WARRANTY
- 5 year warranty
- See HLI Commercial and Industrial Outdoor Lighting Warranty for additional information

KEY DATA	
Lumen Range	5400–16,216
Wattage Range	55–136
Efficacy Range (LPW)	100–124
Reported Life (Hours)	L70>60,000
Input Current Range (Amps)	0.1–1.1

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BEA-VIPER-S-SPEC
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701 Millennium Boulevard • Greenville, SC 29607 • Tel 864.678.1000 • Website www.beaconproducts.com

HUBBELL Lighting

BEACON
VIPER S
SMALL VIPER LUMINAIRE

DATE: | LOCATION:
TYPE: | PROJECT:
CATALOG #:

ORDERING GUIDE

Example: VPS-24L-55-4K7-4W-UNV-A-DB-TL-GENII-04-BC

CATALOG #

VPS							
Series	LED Engine	CCT/CRI	Distribution		Rotation		Voltage
VPS Viper Small	24L-55 55W, LED array	3K7 3000K, 70 CRI	FR Type 1/Front Row		Blank No rotation		UNV 120–277V
	36L-65 65W, LED array	4K7 4000K, 70 CRI	2 Type 2		L Optic rotation left¹		347 347V
	36L-80 80W, LED array	5K7 5000K, 70 CRI	3 Type 3		R Optic rotation right¹		480 480V
	48L-110 110W, LED array		4F (formerly 4) Type 4				
	60L-136 136W, LED array		4W Type 4 Wide				
			SQM Type 5QM				
			SR Type 5R (rectangular)				
			5W Type 5W (round wide)				
			TC Tennis Court				

Mounting		Color		Control Options		Options	
A	Rectangular Arm (formerly RA) for square or round pole	BLT	Black Matte Textured	7PR	7-Pin Receptacle only (shorting cap, photo control, or wireless control provided by others)	BC	Backshield (available for FR, 2, 3, 4, 4W Optics)
MAF	Mast Arm Fitter (formerly SF2) for 2¾" OD horizontal arm	BLS	Black Gloss Smooth	7PR-SC	7-Pin Receptacle w/Shorting Cap	CD	Continuous Dimming
K	Knuckle (formerly PK2) (mnt to 30" tilt of 2" round pole)	DBT	Dark Bronze Matte Textured	7PR-TL	7-Pin Receptacle w/TwistLock® photo control	F	Fusing
WB	Wall Bracket	DBS	Dark Bronze Gloss Smooth			TB	Terminal Block
AD	Universal Arm for square pole	GTT	Graphite Matte Textured	SCP_F	Programmable Occupancy Sensor w/ daylight control¹⁰		
AD3	Adapter for 2.4"–4" round pole	LGS	Light Grey Gloss Smooth				
AD4	Adapter for 4.2"–5.3" round pole	PSS	Platinum Silver Smooth	SWPM	SiteSync Pre-Commission¹⁴		
AD5	Adapter for 5.5"–5.9" round pole	WHT	White Matte Textured	SWPM_F	SiteSync Pre-Commission w/ Sensor¹⁴		
AD6	Adapter for 6.0"–6.5" round pole	WHS	White Gloss Smooth				
		VGT	Verde Green Textured				
		Custom Color					
		CC	Custom Color				

House Side Shield Accessories
- HSS-VP-5/90-FB/XXX 90° shield front or back
- HSS-VP-5/90-LR/XXX 90° shield left or right
- HSS-VP-5/270-FB/XXX 270° shield front or back
- HSS-VP-5/270-LR/XXX 270° shield left or right
- HSS-VP-5/360/XXX Full shield

Replace XXX with catalog number for desired finish color. Refer to page 8 for shield images.

Mounting Accessories
- VPL-AD-RPA3 2.4"–4.1" Round Pole Adapter for AD arm
- VPL-AD-RPA4 4.2"–5.3" Round Pole Adapter for AD arm
- VPL-AD-RPA5 5.5"–5.9" Round Pole Adapter for AD arm
- VPL-AD-RPA6 6.0"–6.5" Round Pole Adapter for AD arm

Accessories and Services (Ordered Separately)
- SCP-REMOTE Remote Control for SCP_F option. Order at least one per project to program and control the occupancy sensor
- SWUSB* SiteSync Interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync license, software and USB radio bridge node
- SWTAB* Windows tablet and SiteSync Interface software. Includes tablet with preloaded software, SiteSync license and USB radio bridge node
- SWBRG SiteSync radio bridge node only. Order if a replacement tile is required or if more than one bridge node is requested
- SW7PR+ SiteSync 7-Pin on fixture module On/Off/Dim, Daylight Sensor 120-480VAC
- BIRD-SPIKE-3 Bird Spikes

*When ordering SiteSync at least one of these two interface options must be ordered per project.
+ Available as a SiteSync retrofit solution for fixtures with an existing 7-pin receptacle.

Hubbell Control Solutions – Accessories (Sold Separately)

NX Distributed Intelligence
- NXDPM-1RD2-UNV On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor
- Intelect™ Radio and Bluetooth® Radio, 120-480VAC

wiSCAPE™ Lighting Control
- WIR-RME-L On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with wiSCAPE Radio, 110-480VAC

For additional information related to these accessories please visit www.hubbellcontrolsolutions.com
Options provided for use with integrated sensor, please view specification sheet regarding ordering information for details.

Notes:
1. Not available with other wireless control or sensor options
2. Specify rotating height: 8 = 8' or less, 40 = 9' to 40'
3. Specify road vs safety code (example GEN-04). See ENERGEN brochure and instructions for setting table and options. Not available with sensor or SiteSync options
4. Specify group and zone at time of order. See www.hubbellighting.com/sitesync for farm. Enter option control to StieSync License, GUI, and Bridge Node
5. Only available with FR, 2, 3, 4, 4W and 5W distributions
6. Order at least one SCP-REMOTE per project location to program and control the occupancy sensor

KEY DATA

Lumen Range	5400–16,216
Wattage Range	55–136
Efficacy Range (LPW)	100–124
Reported Life (Hours)	L70>60,000
Input Current Range (Amps)	0.1–1.1

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HUBBELL Lighting

ENGLEWOOD BANK & TRUST
BB&T BANK & TRUST

Project Title:
A NEW BUILDING FOR:
ENGLEWOOD BANK & TRUST
207 SOUTH TAMIAMI TRAIL
VENICE, FL.

Sheet Description:
ELECTRICAL SITE LIGHTING CUT SHEETS

Drawn: TJ
Checked: WSC
Scale: AS NOTED
Date: 07/30/2020

ELECTRICAL SITE LIGHTING CUT SHEETS
SCALE: NONE

E1.02