VIPER L	Cat.#		BEACON
STRIKE	Job	Type LF02-4B	Approvals
LARGE VIPER LUMINAIRE			

SPECIFICATIONS

Intended Use:
The Beacon Viper luminaire is available in two sizes with a wide choice of different LED wattage configurations and optical distributions designed to replace HID lighting up to 1000W MH or HPS. Luminaires are suitable for wet locations.

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 lenses, optics, gasket and stainless steel bezel.
- 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.
- Two-piece silicone and microcellular polyurethane foam gasket ensures a weather-proof seal around each individual optic.

Electrical:
- Luminaire accepts 120V through 277V, 50 Hz to 60 Hz, (UNV), 347V, or 480V input.
- Power factor is ≥ .90 at full load.
- Dimming drivers are standard, but must contact 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 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 shall contain all LED driver components and shall be provided with a push-button terminal block for AC power connections.
- Optional 7-pin ANSI C136.41-2013 twist-lock photo control receptacle available. Compatible with ANSI C136.41 external wireless control devices.
- Ambient operating temperature -40°C to 40°C.
- Surge protection - 20kA.
- 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 "fail on", allowing the luminaire to revert to full power in the event of an interruption of its power supply, 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.).

Controls/Options:
- Available with an optional passive infrared (PIR) motion sensor capable of detecting motion 360° around the luminaire. When no motion is detected in 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 vary from standard configuration.
- Available with Energeni for optional set dimming, timed dimming with simple setup, or timed dimming based on time of night (see [illegible]).
- In addition, Viper can be specified with SiteSync™ wireless control system for reduction in energy and maintenance costs while optimizing light quality 24/7. For more details, see ordering information or visit [illegible].

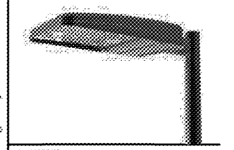
Installation:
- Mounting options for horizontal arm, vertical tenon or traditional arm mounting available. Mounting hardware included.

Finish:
- IFS polyester powder-coat electrostatically applied and thermocured. IFS finish consists of a five stage pretreatment regimen with a polymer primer sealer and top coat with a thermoset super TGIC polyester powder coat finish.
- The finish meets the AAMA 2604 performance specification which includes passing a 3000 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.

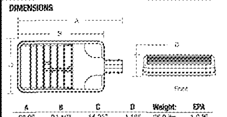
Certifications/Ratings:
- DesignLights Consortium (DLC) qualified, consult DLC website for more details: [illegible]
- Certified to UL 1598, UL 8750, and CSA C22.2
- 3G rated for ANSI C136.31 High Vibration applications with MAF mounting
- IDA approved
- This product is approved by the Florida Fish and Wildlife Conservation Commission. Corporate approval available at: [illegible]

Warranty:
Five year limited warranty for more information visit: [illegible]

PRODUCT IMAGE(S)

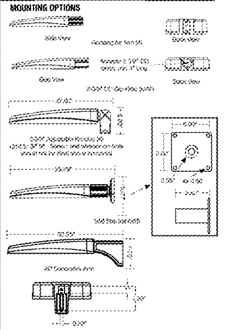


DIMENSIONS



A	B	C	D	Weight:	EPA
29.2" (741 mm)	24.19" (614 mm)	14.25" (362 mm)	4.13" (105 mm)	25.0 lbs (11.3 kg)	1.2 ft²

MOUNTING OPTIONS



CERTIFICATIONS/LISTINGS

ORDERING INFORMATION

ORDERING EXAMPLE: VPL/96L-280/4K7/4W/UNV/A/DB/7PR-TL/GENI-04/BC

VPL

SERIES
VPL Viper

LED ENGINE
64L-135 135W LED array
80L-180 180W LED array
80L-235 235W LED array
96L-220 220W LED array
96L-280 280W LED array
96L-315 315W LED array
96L-395 395W LED array

CCT/CRI
3K7 3000K, 70 CRI
4K7 4000K, 70 CRI
5K7 5000K, 70 CRI

ROTATION
Leave blank for no rotation
L[1] Optic rotation left
R[1] Optic rotation right

DISTRIBUTION
FR Type 1/Front Row
2 Type 2
3 Type 3
4 Type 4
4W Type 4 Wide
5QM Type 5QM
5QN Type 5QN
5R Type 5R (rectangular)
5W Type 5W (round wide)

VOLTAGE
UNV 120-277V
120 120V
208 208V
240 240V
277 277V
347 347V
480 480V

COLOR
BL Black Textured
DB Dark Bronze Textured
GYS Light Grey Smooth
PS Platinum Silver Smooth
WH White Textured
CC Custom Color

OPTIONS
F Fusing
BSP Bird Spikes
BC Backlight control (limited to Type 4W only)

MOUNTING
A Rectangular Arm (formerly RA) for square or round pole
MAF Mast Arm Fitter (formerly SF2) for 2-3/8" OD horizontal arm
K Knuckle (formerly PK2) (knuckle to 30° tilt) for 2-3/8" OD horizontal arm or vertical tenon
WB Wall Bracket
AO Universal Arm for square pole
AD3 Universal Arm for 2.4"-4.1" round pole
AD4 Universal Arm for 4.2"-5.3" round pole
AD5 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 (shorting cap, 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/_F[2,3] Programmable Occupancy Sensor w/ daylight control (120-277 volts only)
GENI-XX[4] ENERGENI
SWP[3,4] SiteSync Pre-Commission
SWPM[3,4] SiteSync Pre-Commission w/ Sensor

HOUSE SIDE SHIELD ACCESSORIES
HSS/EVP-L/90-FB/XXX 90° shield front or back
HSS/EVP-L/90-LR/XXX 90° shield left or right
HSS/EVP-L/270-FB/XXX 270° shield front or back
HSS/EVP-L/270-LR/XXX 270° shield left or right
HSS/EVP-L/360/XXX Full shield

(Replace XXX with notation for desired finish color)
(Refer to page 5 for shield images)

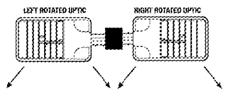
MOUNTING ACCESSORIES
VPL-AD-RPA3 2.4"-4.1" Round Pole Adapter for AD arm
VPL-AD-RPA4 4.2"-5.3" Round Pole Adapter for AD arm
VPL-AD-RPA5 5.5"-5.9" Round Pole Adapter for AD arm
VPL-AD-RPA6 6.0"-6.5" Round Pole Adapter for AD arm

Accessories and Services (Ordered Separately)

Catalog Number	Description
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 USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested.
SW7PR[*]	SiteSync 7 Pin on fixture module On/Off/Dim, Daylight Sensor 120-480VAC

Hubbell Control Solutions – Accessories (sold separately)

Catalog Number	Description	HCS System
NXOFM-1R10-UNV	On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with NXHNET Radio and Bluetooth® Radio, 120-480VAC	NX Distributed Intelligence™
WIR-RME-L	On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with wiSCAPE Radio, 110-480VAC	wiSCAPE™ Lighting Control



SiteSync 7-Pin Module

- All of the SiteSync Features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)
- Available on all products that have a 7-Pin receptacle

PERFORMANCE DATA

# LED'S	DRIVE CURRENT (MILLIAMPS)	SYSTEM WATTS	DISTRIBUTION TYPE	5K (5000K nominal, 70 CRI) LUMENS	LPW[1]	B	U	G	4K (4000K nominal, 70 CRI) LUMENS	LPW[1]	B	U	G	3K (3000K nominal, 70 CRI) LUMENS	LPW[1]	B	U	G
64	625 mA	135W	FR	18220	132	2	0	2	18783	137	2	0	2	16341	119	2	0	2
			2	17228	125	2	0	2	17761	129	2	0	2	15452	112	2	0	2
			3	17257	125	2	0	3	17791	129	2	0	3	15478	112	2	0	3
			4	16864	123	1	0	4	17386	126	1	0	4	15126	110	1	0	3
			4W	16797	122	2	0	3	17317	126	2	0	3	15066	109	2	0	3
			5QM	17259	125	4	0	2	17792	129	4	0	2	15479	112	4	0	2
			5QN	18023	131	4	0	0	18580	135	4	0	0	16165	117	4	0	0
			5R	17410	127	4	0	4	17948	130	4	0	4	15615	113	4	0	4
			5W	16498	120	4	0	2	17009	124	4	0	3	14797	108	4	0	2
80	700 mA	180W	FR	23230	128	2	0	2	23948	132	2	0	2	20835	115	2	0	2
			2	21965	121	3	0	3	22645	125	3	0	3	19701	109	2	0	3
			3	22003	121	2	0	4	22683	125	3	0	4	19734	109	2	0	4
			4	21502	119	2	0	4	22167	122	2	0	4	19285	106	2	0	4
			4W	21416	118	2	0	4	22079	122	2	0	4	19209	106	2	0	4
			5QM	22005	121	4	0	2	22686	125	4	0	2	19736	109	4	0	2
			5QN	22979	127	4	0	1	23689	131	4	0	1	20610	114	4	0	0
			5R	22197	122	4	0	4	22884	126	4	0	4	19908	110	4	0	4
			5W	21035	116	5	0	3	21686	120	5	0	3	18867	104	4	0	3
80	875 mA	235W	FR	27549	121	2	0	2	28711	125	2	0	2	24979	108	2	0	2
			2	26394	114	3	0	3	27148	118	3	0	4	23619	102	3	0	3
			3	26378	114	3	0	4	27194	118	3	0	4	23659	103	3	0	4
			4	25777	112	2	0	4	26575	115	2	0	5	23120	100	2	0	4
			4W	25675	111	3	0	4	26469	115	3	0	4	23028	100	3	0	4
			5QM	26381	114	4	0	2	27196	118	4	0	2	23661	103	4	0	2
			5QN	27548	119	5	0	1	28400	123	5	0	1	24708	107	5	0	1
			5R	26611	115	5	0	5	27434	119	5	0	5	23868	104	4	0	4
			5W	25218	109	5	0	3	25998	113	5	0	3	22618	98	5	0	3
96	700 mA	220W	FR	27876	128	2	0	2	28738	132	2	0	2	25002	115	2	0	2
			2	26359	121	3	0	3	27174	125	3	0	4	23641	109	3	0	3
			3	26403	121	3	0	4	27220	125	3	0	4	23681	109	3	0	4
			4	25802	119	2	0	4	26600	122	2	0	5	23142	106	2	0	4
			4W	25700	118	3	0	4	26494	122	3	0	4	23050	106	3	0	4
			5QM	26406	121	4	0	2	27222	125	4	0	2	23683	109	4	0	2
			5QN	27575	127	5	0	1	28427	131	5	0	1	24732	114	5	0	1
			5R	26637	122	5	0	5	27460	126	5	0	5	23890	110	4	0	4
			5W	25242	116	5	0	3	26023	120	5	0	3	22640	104	5	0	3
96	875 mA	280W	FR	33419	121	3	0	2	34453	125	3	0	2	29974	109	2	0	2
			2	31600	114	3	0	4	32577	118	3	0	4	28342	102	3	0	4
			3	31654	114	3	0	5	32633	118	3	0	5	28390	103	3	0	4
			4	30933	112	2	0	5	31889	115	2	0	5	27744	100	2	0	5
			4W	30810	111	3	0	5	31763	115	3	0	5	27634	100	3	0	4
			5QM	31657	114	5	0	3	32636	118	5	0	3	28393	103	4	0	2
			5QN	33058	119	5	0	1	34080	123	5	0	1	29650	107	5	0	1
			5R	31933	115	5	0	5	32921	119	5	0	5	28641	104	5	0	5
			5W	30262	109	5	0	4	31198	113	5	0	4	27142	98	5	0	3
96	1000mA	315W[2]	FR	35608	113	3	0	2	36769	117	3	0	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			2	33725	107	3	0	4	34768	110	3	0	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			3	33782	107	3	0	5	34827	110	3	0	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			4	33012	105	2	0	5	34033	108	2	0	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			4W	32882	104	3	0	5	33899	107	3	0	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			5QM	33785	107	5	0	3	34830	110	5	0	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			5QN	35280	112	5	0	1	36371	115	5	0	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			5R	34080	108	5	0	5	35134	111	5	0	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			5W	32302	102	5	0	4	33301	106	5	0	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
96	1225mA	395W[2]	FR	39589	101	3	0	4	43125	110	3	0	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			2	39589	101	3	0	4	40793	104	3	0	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			3	39619	101	3	0	5	40845	104	3	0	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			4	38723	98	3	0	5	39921	101	3	0	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			4W	38570	98	3	0	5	39763	101	3	0	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			5QM	39620	101	5	0	3	40848	104	5	0	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			5QN	41394	105	5	0	1	42675	109	5	0	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			5R	39969	102	5	0	5	41205	105	5	0	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			5W	37877	97	5	0	4	39048	100	5	0	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[1] Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.
[2] 315W and 395W 3000K versions are not DLC listed. Reference highlighted cells in table.

PROGRESS LIGHTING

Project:
Fixture Type: LF01
Location:
Contact:

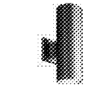
CYLINDER

Specifications: P5675-20/30K

Description:
The P5675 Series are ideal for a wide variety of interior and exterior applications including residential and commercial. The cylinders feature a 120V alternating current source and eliminates the need for a traditional LED driver. This modular approach results in an encapsulated luminaire that unites performance, cost and safety benefits.

Construction:
- Antique Bronze (-20) (powder coat)
- Die cast and extruded aluminum construction
- metal shade
- Flicker-free dimming to 10% brightness with most ELV type dimmers (See Dimming Notes)
- Back plate covers a standard 4" hexagonal recessed outlet box
- Mounting strap for outlet box included
- 6" of wire supplied
- Wet location listed when used with P8799 lens cover (sold separately)

Images:



Dimensions:
Width: 5"
Height: 14"
Depth: 8-7/8"
H/CTR: 8"

Performance:

Number of Modules	2
Input Power	17W
Input Voltage	[illegible]
Input Frequency	[illegible]
Lumens/LPW (Down)	[illegible]
Lumens/LPW (Up)	[illegible]
CCT	3000K
CRI	90
L70	60,000 [illegible]
EMI/RFI	FCC Title 47, Part 15, Class B
Min. Start Temp	-30° C
Max. Operating Temp	30° C
Warranty	5 year warranty
Label	[illegible]

Catalog number:

Base	Finish	Color Temp	CRI
P5675	20 - Antique Bronze	30K - 3000K	Blank - 90 CRI

PROGRESS LIGHTING

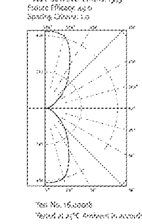
CYLINDER

Photometrics: P5675-20/30K

ELECTRICAL DATA	P5675-20/30K
Input Voltage	120V
Input Frequency	60Hz
Input Current	0.11A
Input Power	17W
Power Factor	>0.90
THD	<20%
EMI Filtering	FCC Title 47, Part 15, Class B
Operating Temperature	-30° C to 30° C
Dimming	Yes*

Overvoltage, over current, short-circuit protected
*See Dimming Notes for more information

P5675-20/30K
LED Light Engine, 3000K 90 CRI
System Wattage: 35.0
Fixture delivered lumens: 1545
Fixture Efficacy: 49.0
Spacing Criteria: 1.0



Test No. 16.00018
Tested at 25°C Ambient in accordance to IESNA LM-79-2008

DEG	CANDELA
0	415
5	456
15	439
25	360
35	243
45	166
55	99
65	60
75	31
85	9
90	0
95	9
105	41
115	83
125	143
135	172
145	251
155	356
165	452
175	467
180	465

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	315	20.0%
0-40	475	29.4%
0-60	692	42.8%
0-90	735	45.2%
90-120	105	6.5%
90-130	198	12.1%
90-150	488	30.5%
90-180	800	50.8%
0-180	1617	100.0%

COEFFICIENTS OF UTILIZATION
Zonal Cavity Method
[illegible]

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ARCHITECTURE | INTERIOR DESIGN
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JB Electrical Design, P.C.
Electrical Consulting Engineers
8340 89th Ave N.
Minneapolis, MN 55445
763.486.0965
jeff@jbelectricaldesign.com
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