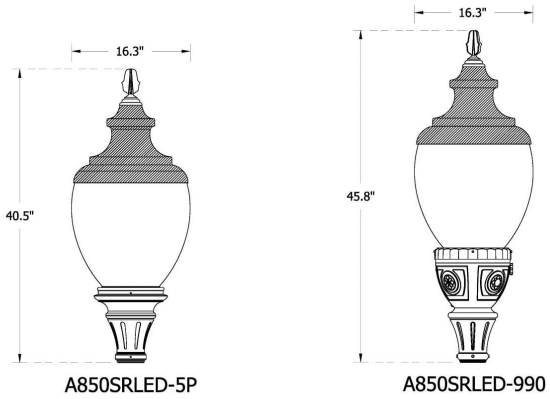
Old Town
A850SRLED

Project Name _____ **Qty** _____

Type _____ **Catalog / Part Number** _____





Distribution Type



Type 2 Type 3 Type 4 Type 5

CCT - Color Temp (K)



2,700K 3,000K 3,500K 4,000K 5,000K

7 Year Warranty

IP Rating

Certifications

Description

The A850SRLED Old Town luminaire blends form and function into a classic shape. It is supplied with a cast aluminum finial and a solid, cast aluminum roof which includes optimized heat sinks to provide maximum life and performance for the LED light sources. The acorn is sealed to the cast aluminum roof to provide a moisture free and bug-free optics chamber for the LED light source.

EPA: 1.21 (ft²) | WEIGHT: 43 LBS

Features

Mounting Configuration	**1W:** Wall Mount **1A:** 1 Arm Mount **2A:** 2 Arm Mount @ 180° **2APT:** 2 Arm @ 180° & Post Top **3APT:** 3 Arm @ 120° & Post Top **1AM:** 1 Arm Mid-Mount **450PB:** Pier Base **PT:** Post Top **1APT:** 1 Arm & Post Top **2A90:** 2 Arm Mount @ 90° **3A:** 3 Arms @ 120° **3A90:** 3 Arms @ 90° **4A:** 4 Arms @ 90° **4APT:** 4 Arm @ 90° & Post Top **2AM:** 2 Arm Mid-Mount @180°
Optional Control Receptacle	**R7:** 7-Pin control receptacle only **SRR7:** Roof Mounted 7-Pin Control Receptacle Only
Optional Control	**PE:** Twist-Lock Photocontrol (120V-277V) **PE4:** Twist-Lock Photocontrol (347V-480V) **SC:** Shorting Cap **PEC:** Electronic Button Photocontrol (120V-277V) **PEC4:** Electronic Button Photocontrol (480V)
Optional Fuse	**FHD:** Double Fuse and Holder
Optional House Side Shield	**HSS:** 120° House Side Shield **BLOC:** Back Light Optical Control
Optional Fixed Dimming Resistor Board	**FDRB:** Fixed Dimming Resistor Board

Sternberg reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately.
2024.03.12 Copyright © 2024 Sternberg

Physical

Fixture	**A850SRLED:** Old Town
Fitter	**5P:** Slip fit 3" OD x 3" tall tenon/pole **73:** Slip fit 3" OD x 4" tall tenon/pole **74:** Slip fit 4" OD x 4" tall tenon/pole **990:** Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole **991:** Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole **992:** Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole **993:** Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole **994:** Utility-Fitter, Slip fit 4" OD x 3" tall tenon/pole **995:** Utility-Fitter, Slip fit 4" OD x 3" tall tenon/pole **BD4:** Slip fit 4" OD x 5" tall tenon/pole **BD5:** Slip fit 5" OD x 6" tall tenon/pole **BD7:** Slip fit 7" OD x 1" tall tenon/pole **OL3:** Oak-Leaf, Slip fit 3" OD x 3" tall tenon/pole **OL4:** Oak-Leaf, Slip fit 4" OD x 3" tall tenon/pole **588:** Art-Deco, Slip fit 3" OD x 3" tall tenon/pole **C2097:** Low-Profile, Slip fit 7" OD x 1" tall tenon/pole
Optional Twist Lock Acorn	**T:** Twist-Lock Option for Acorn
Lens	**A:** Clear Textured Acrylic Acorn **P:** Clear Textured Poly Acorn
Optional Ring	**CDR:** Cast Decorative Ring, GOLD medallions **CDRP:** Cast Decorative Ring, Medallions painted to match fitter **CDRCL:** Cast Decorative Ring, custom logo medallions **PBDR:** Perforated Brass Decorative Ring, raw brass **PBDRP:** Perforated Brass Decorative Ring, painted to match fitter
Optional Receptacle	**GFI:** 120V, 15A Duplex GFI for Utility Fitter
Optional Terminal Block	**TB:** Terminal Block
Finish	**BKT:** Black Textured **PGT:** Park Green Textured **DBT:** Dark Bronze Textured **SI:** Swedish Iron **OI:** Old Iron **WBR:** Weathered Brown **WBK:** Weathered Black **CM:** Custom Match **WHT:** White Textured **ABZT:** Architectural Medium Bronze Textured **VG:** Verde Green **OWGT:** Old World Gray Textured **RT:** Rust **CD:** Cedar **TT:** Two Tone

Light Source

LED	**32L:** 32 LEDs **16L:** 16 LEDs	**24L:** 24 LEDs **12L:** 12 LEDs
CCT - Color Temp (K)	**27:** 2,700K **35:** 3,500K **50:** 5,000K	**30:** 3,000K **40:** 4,000K
Distribution Type	**T2:** Type 2 **T4:** Type 4	**T3:** Type 3 **T5:** Type 5

Sternberg reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately.
2024.03.12 Copyright © 2024 Sternberg

Electrical and control

Driver	**MDL018:** 120V-277V, 180mA	**MDH018:** 347V-480V, 180mA
	MDL016: 120V-277V, 160mA	**MDH016:** 347V-480V, 160mA
	MDL014: 120V-277V, 140mA	**MDH014:** 347V-480V, 140mA
	MDL008: 120V-277V, 80mA	**MDH008:** 347V-480V, 80mA

Specifications

Available with Intellistreets® Technology	Intellistreets® is an integrated set of solutions offering the capability to see, hear, and record what's happening on your streets, through both cameras and audio sensors.
Fitter	The fitter is a heavy wall cast aluminum, 356 alloy for high tensile strength. It will have an 8-1/2" inside diameter opening to attach to the 8" neck of the lens. It includes 4 stainless steel Allen-head set screws for attachment. The fitter will include a one-piece ring bug gasket to resist insect penetration. **Utility Fitter:** The fitter shall be heavy wall cast aluminum, 360 die cast alloy for high tensile strength. It shall have a hinged, tool-less entry door that provides open access to all of the components. The 900 series shall have an optional terminal block for ease of wiring, an optional Twist-Lock Photocontrol receptacle, an optional single GFCI outlet for auxiliary power needs. The top mounted driver mounting plate shall be cast aluminum and provide tool-less removal from the housing using 2 finger latches. The fitter shall have a one-piece ring gasket to resist insect penetration into globe assembly. When supplied with GFCI receptacle a hole will be provided for cord and plug installation with the access door closed. When cord and plug is not in use a filler plug will be provided and shall be tethered to the fitter for easy recovery and installation. **Twist-Lock Option:** The **TL** (Twist-Lock) fitter will have an aluminum die-cast twist-lock mechanism. The tool-less 90 degree turn action allows for easy acorn/globe removal and replacement. A die-cast ring assembly is mechanically attached to the globe and is removable if the globe is broken or needs replacing.
Cast Decorative Ring	Optional cast aluminum decorative ring **(CDR)** is made up of a 2.75" tall horizontal band with vertical slots and a 3" medallion in a **GOLD** finish. Alternate medallion version painted to match fitter **(CDRP)**. Consult factory for custom logos.
Polished Brass Decorative Ring	Optional 2.25" tall perforated banding ring made of brass. Alternate version painted to match fitter **(PBDRP)**
Hardware	Includes Stainless steel hardware. Most finishes will include hardware with a Black Oxide conversion coating. Light finishes will get non-color coated hardware **(Whites and Silvers)**
Lens	Clear textured acorn offered in impact resistant DR acrylic or UV stabilized polycarbonate material. An injection molding process adds a textured surface for glare mitigation.
Serviceability	Tool-less access to the driver compartment after the acorn is removed allows for trouble free servicing of the LED Driver and Surge Suppressor.
UL Listing	UL listed per UL1598 and CSA 22.2 No. 250.0 for the United States and Canada. Suitable for Wet Locations.
Electronic Driver	The LED driver is UL recognized and will be securely mounted inside the fixture, for optimized performance and longevity. It will be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections for fixture installation and maintenance. It will have DC voltage output and be a constant current design. It runs at 50/60HZ and will have overload, overheat, and short circuit protection. It will be supplied with a supplemental line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It will be a high efficiency driver with a THD less than 20% and a high-power factor greater than .9. It will be dimming capable using a 0-10V signal, consult factory for more information.
IP Rating	IP65 rated
Finish	Our 6 Stage Polyester Powder coat paint system offers a beautiful high-end finish that holds up to even the most extreme environments. Each part is inspected for quality and consistency before being released for shipment. Our system exceeds AAMA 2604, AAMA 2605, ASTM D523 and ASTM D4214 requirements.
Traditional Finish	Traditional paint finishes are available in Sternberg Lighting's Traditional product line. A range of colors help accent the decorative elements on the product. Finishes are available in textured or smooth. Available finishes include: **Black, White, Park Green, Architectural Medium Bronze and Dark Bronze**

Sternberg reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately.
2024.03.12 Copyright © 2024 Sternberg

Sternberg Select Finish	The Sternberg Select antique-inspired palette adds a touch of vintage elegance to modern applications. **Old World Gray Textured** is a 1 part powder coat with metallic flakes. **Verde Green and Swedish Iron** is a 2 part finish that includes a powder coat base coat with a hand applied antique top coat. The top coat is unique to each application and changes over time.
Custom Finish	Custom finishes are offered to adapt to any application. **Rust, Weathered Brown and Cedar** are special 1 part powder coat finishes with a distinctive look. **Old Iron and Weathered Black** are 2 part finishes that includes a powder coat base coat with a hand applied antique top coat. The top coat is unique to each application and changes over time. **Two-Tone and Custom Match** options are available to blend sternberg product with the site, consult factory for more information.
Warranty	7-year limited warranty. See Website for Terms and Conditions.
LEDs	The LED's in this system will be fully shielded in a direct downward position to maximize efficiency. The LEDs are mounted to maximize thermal transfer to the heat sink surface. The LEDs shall be 100% recyclable; not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. Lumen maintenance shall be determined in accordance with IESNA TM-21, based on LED manufacturer LM-80 test data of no less than 6,000 hours and in-situ testing of the luminaire by an NVLAP accredited Energy Efficient Lighting Products lab. The high-performance white LEDs will have a predicted lumen depreciation of approximately 100,000 hours with greater than 70% of initial output at 25°C. The high brightness, high-output white LEDs shall be 4000K nominal (2700K, 3000K, 3500K or 5000K optional) correlated color temperature (CCT) with a 70 (minimum) color rendering index (CRI). Consult factory for custom CCT or CRI. The luminaire shall have a minimum _____ (see table) delivered initial lumens when operated at steady state with an average ambient temperature of 25°C (77°F). **CCT Lumen Derate Values from 4,000K** 2,700K (70+ CRI)=**.92** 3,000K (70+ CRI)=**.95** 3,500K (70+ CRI)=**1.03** 5,000K (70+ CRI)=**1.00**
Optics	The luminaire shall be provided with individual, refractor type optics applied to each LED. The luminaire shall provide Type ___ (2, 3, 4 or 5) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79.
Backlight Optical Control	**BLOC Optic (BLOC):** An optional "Back Light Optical Control" shield can be provided at the factory. This is an internal optic level "House Side Shield" offering significantly reduced backlight and glare while maintaining the original design aesthetics of the luminaire. **Internal House Side Shield (HSS):** An optional **INTERNAL** 120° House Side Shield helps control backlight. Spun aluminum panel painted to match fixture.
Fixed Dimming Resistor Board (FDRB)	Optional numbered 10-step selector switch allows for fine adjustment of the light levels in the field, repeatable from location to location. Offers dimming from 25% to 100% of the original output. Enclosure is composite material, sealed to protect components for the life of the product.
Photocontrols	**Button Photocell:** The photocontrol will be mounted on the fixture and pre-wired to driver. The electronic button type photocontrol is instant on and will turn on at 1.5 footcandles and will turn off at 2-3 footcandles. See pole spec sheet for pole mounted version. **Twist-Lock Style (Roof Mount):** The photocontrol shall be mounted on the roof and prewired to driver. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turnoff at 2-3 footcandles. Photocontrol is 120-277 volt. **Twist-Lock Style (Utility Fitter):** The photocontrol shall be mounted in the utility fitter and prewired to driver. Utility fitter includes acrylic window to read ambient light levels. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turnoff at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years. For use with standard photocells only, not for use with a wireless network controller.
Terminal Block	**Requires Utility Fitter** Optional 4-wire dual row terminal block. Incudes #8-32 pan head screws. For use wire sizes 14-6 AWG. Component is UL recognized for 65A.

Sternberg reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately.
2024.03.12 Copyright © 2024 Sternberg

Lumen Chart(s)

Model #	T2 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T3 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T4 DELIVERED LUMENS	BUG	EFFICACY (LPW)	T5 DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
32L40T_-MDL016	14435	B3U4G3	107.7	14545	B3U3G3	108.5	14725	B3U3G3	109.9	15255	B4U3G3	113.8	134
32L30T_-MDL016	13765	B3U4G3	102.7	13870	B3U3G3	103.5	14040	B3U3G3	104.8	14545	B4U3G3	108.5	134
32L27T_-MDL016	12445	B3U4G3	92.9	12540	B3U3G3	93.6	12695	B3U3G3	94.7	13150	B4U3G3	98.1	134
24L40T_-MDL018	11945	B3U3G3	103.0	11990	B3U3G3	103.4	12240	B3U3G3	105.5	12640	B3U3G2	109.0	116
24L30T_-MDL018	11390	B3U3G3	98.2	11430	B3U3G3	98.5	11670	B3U3G3	100.6	12050	B3U3G2	103.9	116
24L27T_-MDL018	10295	B3U3G3	88.8	10335	B3U3G3	89.1	10550	B3U3G3	90.9	10895	B3U3G2	93.9	116
24L40T_-MDL014	9655	B2U3G2	111.0	9685	B3U3G3	111.3	9885	B3U3G3	113.6	10215	B3U3G2	117.4	87
24L30T_-MDL014	9205	B2U3G2	105.8	9235	B3U3G3	106.1	9425	B3U3G3	108.3	9740	B3U3G2	112.0	87
24L27T_-MDL014	8325	B2U3G2	95.7	8350	B3U3G3	96.0	8520	B3U3G3	97.9	8805	B3U3G2	101.2	87
16L40T_-MDL014	6610	B2U3G2	112.0	6570	B2U3G2	111.4	6610	B2U3G2	112.0	6840	B3U3G2	115.9	59
16L30T_-MDL014	6300	B2U3G2	106.8	6265	B2U3G2	106.2	6300	B2U3G2	106.8	6520	B3U3G2	110.5	59
16L27T_-MDL014	5700	B2U3G2	96.6	5665	B2U3G2	96.0	5700	B2U3G2	96.6	5895	B3U3G2	99.9	59
12L40T_-MDL014	4945	B1U3G1	109.9	4920	B2U3G2	109.3	4910	B2U3G2	109.1	5155	B2U3G1	114.6	45
12L30T_-MDL014	4715	B1U3G1	104.8	4690	B2U3G2	104.2	4680	B2U3G2	104.0	4915	B2U3G1	109.2	45
12L27T_-MDL014	4265	B1U3G1	94.8	4240	B2U3G2	94.2	4235	B2U3G2	94.1	4445	B2U3G1	98.8	45
12L40T_-MDL008	3020	B1U3G1	116.2	3020	B1U3G1	116.2	3005	B1U3G1	115.6	3150	B2U3G1	121.2	26
12L30T_-MDL008	2880	B1U3G1	110.8	2880	B1U3G1	110.8	2865	B1U3G1	110.2	3005	B2U3G1	115.6	26
12L27T_-MDL008	2605	B1U3G1	100.2	2605	B1U3G1	100.2	2590	B1U3G1	99.6	2715	B2U3G1	104.4	26

Options



Perforated Brass Decorative Ring **(PBDR)**



Cast Decorative Ring **(CDR)**



Twist-Lock Ring **(TL)**

Sternberg reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately.
2024.03.12 Copyright © 2024 Sternberg



Solid Roof with NEMA Receptacle **(SRR7)**



Button Photocell **(PEC)**



Fixed Dimming Resistor Board **(FDRB)**



Double Fuse Holder & (2) 3A Fuses **(FHD)**

Sternberg reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately.
2024.03.12 Copyright © 2024 Sternberg

Fitters



5P Fitter
10-1/8" W x 10-3/8" H
Fits 3" OD x 3" tall tenon/pole



BD4 Fitter
10-1/8" W x 10-1/8" H
Fits 4" OD x 5" tall tenon/pole



BD5 Fitter
10-1/8" W x 10-1/4" H
Fits 5" OD x 6" tall tenon/pole



BD7 Fitter
10-1/8" W x 11-3/4" H
Fits 7" OD x 1" tall tenon/pole



588 Fitter
14-1/2" W x 14-1/4" H
Fits 3" OD x 3" tall tenon/pole



C2097 Fitter
10" W x 3-1/4" H
Fits 7" OD x 1" tall tenon/pole



992 Utility Fitter
10-1/2" W x 13-1/8" H
Fits 3" OD x 3" tall tenon/pole



991 Utility Fitter
10-1/2" W x 13-1/8" H
Fits 3" OD x 3" tall tenon/pole



OL3 (or OL4) Fitter
10-1/8" W x 10-3/8" H
Fits 3" (or 4") OD x 3" tall tenon/pole



990 (or 994) Utility Fitter
10-1/2" W x 15-3/4" H
Fits 3" (or 4") OD x 3" tall tenon/pole



993 (or 995) Utility Fitter
10-1/2" W x 15-3/4" H
Fits 3" (or 4") OD x 3" tall tenon/pole

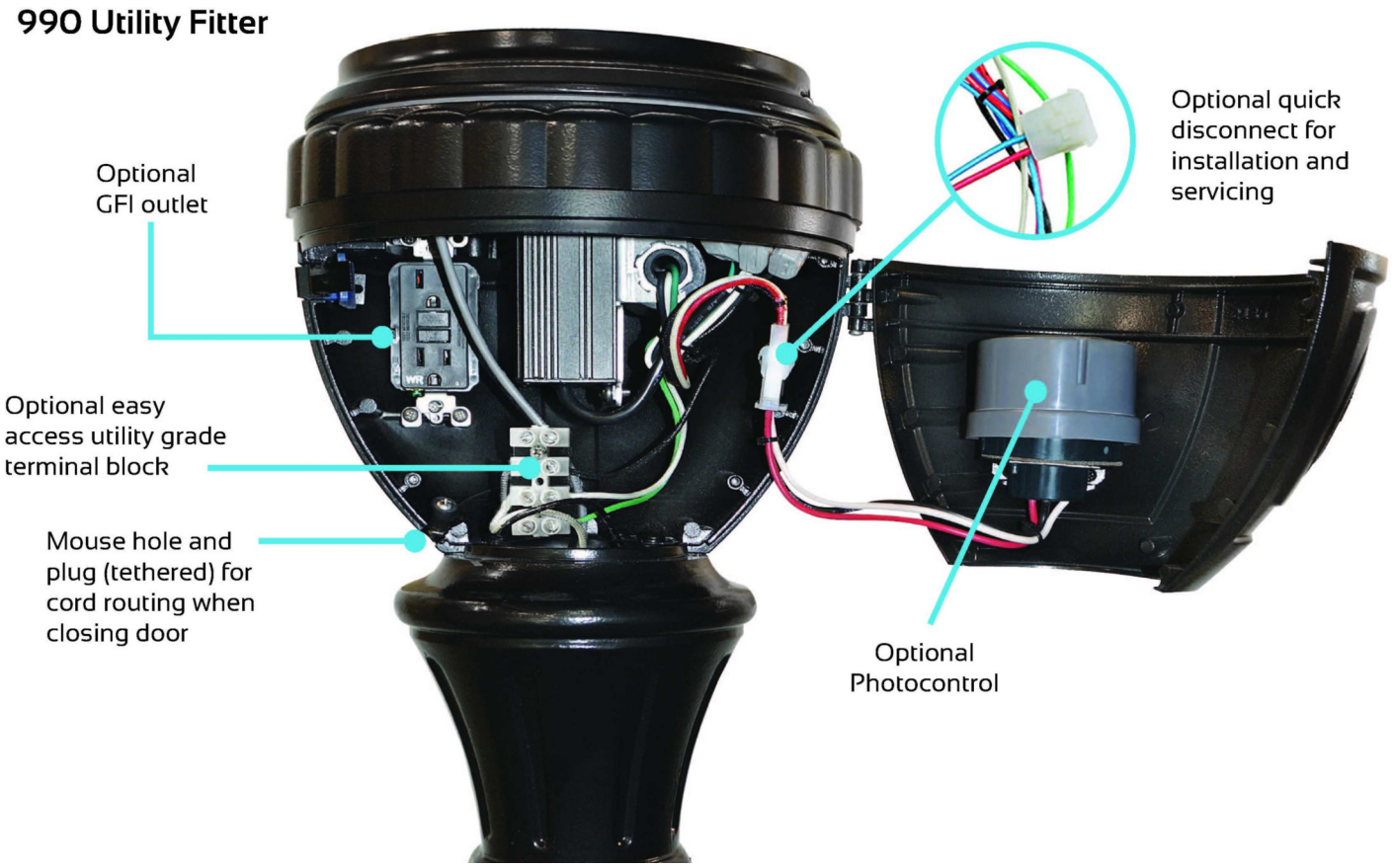


73 (or 74) Fitter
9-3/4" W x 13-1/4" H
Fits 3" (or 4") OD x 4" tall tenon/pole

Sternberg reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately.
2024.03.12 Copyright © 2024 Sternberg

Utility Fitter Details

Optional Accessories



Sternberg reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately.
2024.03.12 Copyright © 2024 Sternberg

How to Order

Mounting Configuration [1]	Fixture	Fitter [1]	Optional Twist Lock Acorn	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens
1W Wall Mount **PT** Post Top **1A** 1 Arm Mount **1APT** 1 Arm & Post Top **2A** 2 Arm Mount @ 180° **2A90** 2 Arm Mount @ 90° **2APT** 2 Arm @ 180° & Post Top **3A** 3 Arms @ 120° **3A90** 3 Arms @ 90° **3APT** 3 Arm @ 120° & Post Top **4A** 4 Arms @ 90° **4APT** 4 Arm @ 90° & Post Top **1AM** 1 Arm Mid-Mount **2AM** 2 Arm Mid-Mount @180° **450PB** Pier Base [2]	**A850SRLED** Old Town	**5P** Slip fit 3" OD x 3" tall tenon/pole [3] **73** Slip fit 3" OD x 4" tall tenon/pole **74** Slip fit 4" OD x 4" tall tenon/pole **990** Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole [3] **991** Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole [3] **992** Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole [3] **993** Utility-Fitter, Slip fit 3" OD x 3" tall tenon/pole [3] **994** Utility-Fitter, Slip fit 4" OD x 3" tall tenon/pole [3] **995** Utility-Fitter, Slip fit 4" OD x 3" tall tenon/pole [3] **BD4** Slip fit 4" OD x 5" tall tenon/pole **BD5** Slip fit 5" OD x 6" tall tenon/pole **BD7** Slip fit 7" OD x 1" tall tenon/pole **OL3** Oak-Leaf, Slip fit 3" OD x 3" tall tenon/pole **OL4** Oak-Leaf, Slip fit 4" OD x 3" tall tenon/pole **588** Art-Deco, Slip fit 3" OD x 3" tall tenon/pole **C2097** Low-Profile, Slip fit 7" OD x 1" tall tenon/pole [3] [4] [5]	**T** Twist-Lock Option for Acorn	**32L** 32 LEDs **24L** 24 LEDs **16L** 16 LEDs **12L** 12 LEDs	**27** 2,700K **30** 3,000K **35** 3,500K **40** 4,000K **50** 5,000K	**T2** Type 2 **T3** Type 3 **T4** Type 4 **T5** Type 5	**MDL018** 120V-277V, 180mA [6] **MDH018** 347V-480V, 180mA [6] **MDL016** 120V-277V, 160mA [7] **MDH016** 347V-480V, 160mA [7] **MDL014** 120V-277V, 140mA [8] **MDH014** 347V-480V, 140mA [8] **MDL008** 120V-277V, 80mA [9] **MDH008** 347V-480V, 80mA [9]	**A** Clear Textured Acrylic Acorn **P** Clear Textured Poly Acorn

Notes:

1. Use 3" fitter for arm applications.
2. For use with 3" fitters only
3. Fitter available with "Twist-lock" acorn option
4. Consult factory for use on concrete poles.
5. Not for use with button photocell
6. 24L system only.
7. 32L system only.
8. 12L, 16L or 24L system only.
9. 12L system only.

Sternberg

555 Lawrence Ave, Roselle, IL, 60172, US | **T** 847-588-3400 | contactus@sternberglighting.com
www.sternberglighting.com **www.sternberglighting.com/products/639**

Sternberg reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately.
2024.03.12 Copyright © 2024 Sternberg

How to Order

Optional Control Receptacle [10]	Optional Control	Optional Fuse [16]	Optional Ring	Optional Receptacle [11] [18]	Optional Terminal Block [11]	Optional House Side Shield [19]	Optional Fixed Dimming Resistor Board [20]	Finish
R7 7-Pin control receptacle only [11] [12] **SRR7** Roof Mounted 7-Pin Control Receptacle Only	**PE** Twist-Lock Photocontrol (120V-277V) [13] **PE4** Twist-Lock Photocontrol (347V-480V) [13] **SC** Shorting Cap [13] **PEC** Electronic Button Photocontrol (120V-277V) [14] [15] **PEC4** Electronic Button Photocontrol (480V) [14] [15]	**FHD** Double Fuse and Holder	**CDR** Cast Decorative Ring, GOLD medallions **CDRP** Cast Decorative Ring, Medallions painted to match fitter **CDRCL** Cast Decorative Ring, custom logo medallions [17] **PBDR** Perforated Brass Decorative Ring, raw brass **PBDRP** Perforated Brass Decorative Ring, painted to match fitter	**GFI** 120V, 15A Duplex GFI for Utility Fitter	**TB** Terminal Block	**HSS** 120° House Side Shield **BLOC** Back Light Optical Control	**FDRB** Fixed Dimming Resistor Board	**BKT** Black Textured [21] **WHT** White Textured [21] **PGT** Park Green Textured [21] **ABZT** Architectural Medium Bronze Textured [21] **DBT** Dark Bronze Textured [21] **VG** Verde Green **SI** Swedish Iron **OWGT** Old World Gray Textured **OI** Old Iron [22] **RT** Rust [22] **WBR** Weathered Brown [22] **CD** Cedar [22] **WBK** Weathered Black [22] **TT** Two Tone [22] **CM** Custom Match [22]

Notes:

10. Not for use with FDRB.
11. For 900 series utility fitter only.
12. For use with standard 3-Pin photocells only, not for use with a wireless network controller.
13. Requires control receptacle.
14. Not for use with R7 or SRR7.
15. Not for use with C2097 fitter.
16. Ships loose for installation in base.
17. Consult factory for specification details.
18. For use with MDLxx driver only.
19. Not for use with T5 optic.
20. Not for use with R7.
21. Smooth finishes are available upon request.
22. Custom colors require upcharge.

Sternberg

555 Lawrence Ave, Roselle, IL, 60172, US | **T** 847-588-3400 | contactus@sternberglighting.com
www.sternberglighting.com **www.sternberglighting.com/products/639**

Sternberg reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately.
2024.03.12 Copyright © 2024 Sternberg

BEACON
design . performance . technology

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

VIPER Area/Site

VIPER LUMINAIRE

MICRO STRIKE | OPTICS STRIKE

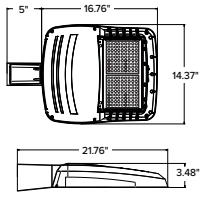


FEATURES

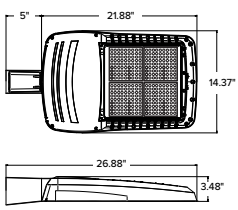
- Low profile LED area/site luminaire with a variety of IES distributions for lighting applications such as auto dealership, retail, commercial, and campus parking lots
- Featuring two different optical technologies, Strike and Micro Strike Optics, which provide the best distribution patterns for retrofit or new construction
- Rated for high vibration applications including bridges and overpasses. All sizes are rated for 1.5G
- Control options including photo control, occupancy sensing, NX Lighting Controls™, LightGRID+ and 7-Pin with networked controls
- New customizable lumen output feature allows for the wattage and lumen output to be customized in the factory to meet whatever specification requirements may entail
- Field interchangeable mounting provides additional flexibility after the fixture has shipped

c UL us IP65 DLC LISTED DLC LISTED PREMIUM ida DARK SKY APPROVED 2016 BAA TAA

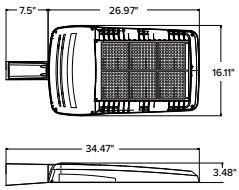
SIZE 1



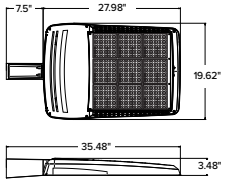
SIZE 2



SIZE 3



SIZE 4



CONTROL TECHNOLOGY

NX CONNECT NX WIRED NX WIRELESS LIGHTGRID+

SERVICE PROGRAMS

STOCK QS10

SPECIFICATIONS

CONSTRUCTION

- Die-cast housing with hidden vertical heat fins are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with 1000 hour powder coat paint finish
- External hardware is corrosion resistant

OPTICS

- Micro Strike Optics (160, 320, 480, or 720 LED counts) maximize uniformity in applications and come standard with mid-power LEDs which evenly illuminate the entire luminous surface area to provide a low glare appearance. Catalog logic found on page 2
- Strike Optics (36, 72, 108, or 162 LED counts) provide best in class distributions and maximum pole spacing in new applications with high powered LEDs. Strike optics are held in place with a polycarbonate bezel to mimic the appearance of the Micro Strike Optics so both solutions can be combined on the same application. Catalog logic found on page 3
- Both optics maximize target zone illumination with minimal losses at the house-side, reducing light trespass issues. Additional backlight control shields and house side shields can be added for further reduction of illumination behind the pole
- One-piece silicone gasket ensures a weatherproof seal
- Zero up-light at 0 degrees of tilt
- Field rotatable optics

INSTALLATION

- Mounting patterns for each arm can be found on page 11
- Optional universal mounting block for ease of installation during retrofit applications. Available as an option (ASQU) or accessory for square and round poles
- All mounting hardware included
- Knuckle arm fitter option available for 2-3/8" OD tenon
- For products with EPA less than 1 mounted to a pole greater that 20ft, a vibration damper is recommended

ELECTRICAL

- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz
- 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
- Dual Driver option provides 2 drivers within luminaire but only one set of leads exiting the luminaire, where Dual Power Feed provides two drivers which can be wired independently as two sets of leads are extended from the luminaire. Both options cannot be combined

CONTROLS

- Photo control, occupancy sensor programmable controls, and Zigbee wireless controls available for complete on/off and dimming control
- 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)

CONTROLS (CONTINUED)

- 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
- NX Lighting Controls™ available with in fixture wireless control module, features dimming and occupancy sensor
- LightGRID+ available with in fixture wireless control module, features dimming and occupancy sensor. Also available in 7-pin configuration

	EPA				
	VP1 (Size 1)	VP2 (Size 2)	VP3 (Size 3)	VP4 (Size 4)	Config.
Single Fixture	0.454	0.555	0.655	0.698	
Two at 180	0.908	1.110	1.310	1.396	
Two at 90	0.583	0.711	0.857	0.948	
Three at 90	1.037	1.266	1.512	1.646	
Three at 120	0.943	1.155	1.392	1.680	
Four at 90	1.166	1.422	1.714	1.896	

CERTIFICATIONS

- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Not all product variations listed in this document are DLC® qualified. Refer to http://www.designlights.org for the most up-to-date list.
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40˚C ambient temperatures
- 1.5 G rated for ANSI C136.31 high vibration applications
- Fixture is IP65 rated
- Meets IDA recommendations using 3K CCT configuration at 0 degrees of tilt
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11). See Buy America(n) Solutions (link to https://www.currentlighting.com/resources/america-solutions).

WARRANTY

- 5 year warranty

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

BEACON
design . performance . technology

DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

VIPER Area/Site

VIPER LUMINAIRE

MICROSTRIKE OPTICS – ORDERING GUIDE

Gray Shading = Service Program Limit of 15 luminaires QS10

Example: VP–2–320L-145–3K7–2–R–UNV–A3–BLT

CATALOG #

VP –

Series	
VP	Viper

Optic Platform
Micro Strike

Size	
1	Size 1
2	Size 2
3	Size 3
4	Size 4

Light Engine	
160L-35 [6]	5500 lumens
160L-50 [6]	7500 lumens
160L-75	10000 lumens
160L-100	12500 lumens
160L-115	15000 lumens
160L-135	18000 lumens
160L-160	21000 lumens
320L-145	21000 lumens
320L-170	24000 lumens
320L-185	27000 lumens
320L-210	30000 lumens
320L-235	33000 lumens
320L-255	36000 lumens
320L-315 [6]	40000 lumens
480L-285	40000 lumens
480L-320	44000 lumens
480L-340	48000 lumens
480L-390	52000 lumens
480L-425	55000 lumens
480L-470	60000 lumens
720L-435	60000 lumens
720L-475	65000 lumens
720L-515	70000 lumens
720L-565 [6]	75000 lumens
720L-600 [6]	80000 lumens
CLO	Custom Lumen Output [1]

CCT/CRI	
AP	AP-Amber Phosphor Converted
27K8	2700K, 80 CRI
3K7	3000K, 70 CRI
3K8	3000K, 80 CRI
35K8	3500K, 80 CRI
3K9	3000K, 90 CRI
4K7	4000K, 70 CRI
4K8	4000K, 80 CRI
4K9	4000K, 90 CRI
5K7	5000K, 70 CRI
5K8	5000K, 80 CRI

Distribution	
2	Type 2
3	Type 3
4F	Type 4 Forward
4W	Type 4 Wide
5QW	Type 5 Square Wide

Optic Rotation	
BLANK	No Rotation
L	Optic rotation left
R	Optic rotation right

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

Mounting	
A	Arm mount for square pole/flat surface (B3 Drill Pattern) (Does not include round pole adapter)
A_	Arm mount for round pole [2]
ASQU	Universal arm mount for square pole. Can be used with B3 or S2 Drill Pattern
A_U	Universal arm mount for round pole [2]
AAU	Adjustable arm for pole mounting (universal drill pattern)
AA_U	Adjustable arm mount for round pole [2]
ADU	Decorative upswept Arm (universal drill pattern)
AD_U	Decorative upswept arm mount for round pole [2]
MAF	Mast arm fitter for 2-3/8" OD horizontal arm
K	Knuckle
T	Trunnion
WB	Wall Bracket, horizontal tenon with MAF
WM	Wall mount bracket with decorative upswept arm
WA	Wall mount bracket with adjustable arm

Color	
BLT	Black Matte Textured
BLS	Black Gloss Smooth
DBT	Dark Bronze Matte Textured
DBS	Dark Bronze Gloss Smooth
GTT	Graphite Matte Textured
LGS	Light Grey Gloss Smooth
LGT	Light Grey Gloss Textured
PSS	Platinum Silver Smooth
WHT	White Matte Textured
WHS	White Gloss Smooth
VGT	Verde Green Textured

Color Option	
CC	Custom Color

Options	
F	Fusing
2PF	Dual Power Feed
2DR	Dual Driver
TE	Tooless Entry
BC	Backlight Control [8]
TB	Terminal Block

Network Control Options	
NXWS16F	NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming [1,3,4]
NXWS40F	NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming [1,3,4]
NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor [3,4]
WIR	LightGRID+ In-Fixture Module [3,4]
WIRSC	LightGRID+ Module and Occupancy Sensor [3,4]
Stand Alone Sensors	
BTS-14F	Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
BTS-40F	Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
BTSO-12F	Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
7PR	7-Pin Receptacle [4]
7PR-SC	7-Pin Receptacle with shorting cap [4]
3PR	3-Pin twist lock [4]
3PR-SC	3-Pin receptacle with shorting cap [4]
3PR-TL	3-Pin PCR with photocontrol [4]
Programmed Controls	
SCP-_F	Sensor Control Programmable, 8F or 40F [9]
ADD	AutoDim Timer Based Dimming [4]
ADT	AutoDim Time of Day Dimming [4]
Photocontrols	
PC	Button Photocontrol [4,7]

1 – Items with a grey background can be done as a custom order. Contact brand representative for more information
2 – Replace "_" with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole
3 – Networked Controls cannot be combined with other control options
4 – Not available with 2PF option
5 – Not available with Dual Driver option
6 – Some voltage restrictions may apply when combined with controls
7 – Not available with 480V
8 – BC not available on 4F and type 5 distributions
9 – At least one SCPREMOTE required to program SCP motion sensor. Must select 8ft or 40ft.

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

BEACON
design . performance . technology

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

VIPER Area/Site

VIPER LUMINAIRE

STRIKE OPTIC – ORDERING GUIDE

Example: VP–ST–1–36L-39–3K7–2–UNV–A–BLT

CATALOG #

VP –

Series	
VP	Viper

– | Optic Platform | |
|---|---|
| ST | Strike |

– | Size | |
|---|---|
| 1 | Size 1 |
| 2 | Size 2 |
| 3 | Size 3 |
| 4 | Size 4 |

– | Light Engine | |
|---|---|
| 36L-39 [8] | 5500 lumens |
| 36L-55 [8] | 7500 lumens |
| 36L-85 | 10000 lumens |
| 36L-105 | 12500 lumens |
| 36L-120 | 14000 lumens |
| 72L-115 | 15000 lumens |
| 72L-145 | 18000 lumens |
| 72L-180 | 21000 lumens |
| 72L-210 | 24000 lumens |
| 72L-240 | 27000 lumens |
| 108L-215 [8] | 27000 lumens |
| 108L-250 | 30000 lumens |
| 108L-280 | 33000 lumens |
| 108L-325 | 36000 lumens |
| 108L-365 | 40000 lumens |
| 162L-320 | 40000 lumens |
| 162L-365 [10] | 44000 lumens |
| 162L-405 | 48000 lumens |
| 162L-445 | 52000 lumens |
| 162L-485 | 55000 lumens |
| 162L-545 [8] | 60000 lumens |
| CLO | Custom Lumen Output [1] |

– | CCT/CRI | |
|---|---|
| AM | monochromatic amber, 595nm |
| 27K8 | 2700K, 80 CRI |
| 3K7 | 3000K, 70 CRI |
| 3K8 | 3000K, 80 CRI |
| 3K9 | 3000K, 90 CRI |
| 35K8 | 3500K, 80 CRI |
| 4K7 | 4000K, 70 CRI |
| 4K8 | 4000K, 80 CRI |
| 4K9 | 4000K, 90 CRI |
| 5K7 | 5000K, 70 CRI |
| 5K8 | 5000K, 80 CRI |

– | Distribution | |
|---|---|
| FR | Auto Front Row |
| 2 | Type 2 |
| 3 | Type 3 |
| 4F | Type 4 Forward |
| 4W | Type 4 Wide |
| 5QN | Type 5 Square Narrow |
| 5QW | Type 5 Square Wide |
| 5QM | Type 5 Square Medium |
| 5W | Type 5 Wide (Round) |
| 5RW | Type 5 Rectangular |
| C | Corner Optic |
| TC | Tennis Court Optic |

– | Optic Rotation | |
|---|---|
| BLANK | No Rotation |
| L | Optic rotation left |
| R | Optic rotation right |

– | Voltage | |
|---|---|
| UNV | 120-277V |
| 120 | 120V |
| 208 | 208V |
| 240 | 240V |
| 277 | 277V |
| 347 | 347V |
| 480 | 480V |

–

Mounting	
A	Arm mount for square pole/flat surface
A_	Arm mount for round pole [3]
ASQU	Universal arm mount for square pole
A_U	Universal arm mount for round pole [3]
AAU	Adjustable arm for pole mounting (universal drill pattern)
AA_U	Adjustable arm mount for round pole [3]
ADU	Decorative upswept Arm (universal drill pattern)
AD_U	Decorative upswept arm mount for round pole [3]
MAF	Mast arm fitter for 2-3/8" OD horizontal arm
K	Knuckle
T	Trunnion
WB	Wall Bracket, horizontal tenon with MAF
WM	Wall mount bracket with decorative upswept arm
WA	Wall mount bracket with adjustable arm

– | Color | |
|---|---|
| BLT | Black Matte Textured |
| BLS | Black Gloss Smooth |
| DBT | Dark Bronze Matte Textured |
| DBS | Dark Bronze Gloss Smooth |
| GTT | Graphite Matte Textured |
| LGS | Light Grey Gloss Smooth |
| LGT | Light Grey Gloss Textured |
| PSS | Platinum Silver Smooth |
| WHT | White Matte Textured |
| WHS | White Gloss Smooth |
| VGT | Verde Green Textured |

Color Option	
CC	Custom Color

– | Options | |
|---|---|
| F | Fusing |
| E | Battery Backup [1,2,7,8,9] |
| 2PF | Dual Power Feed |
| 2DR | Dual Driver |
| TE | Tooless Entry |
| BC | Backlight Control |
| TB | Terminal Block |

Network Control Options	
NXWS16F	NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming [1,4,5]
NXWS40F	NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming [1,4,5]
NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor [4,5]
WIR	LightGRID+ In-Fixture Module [4,5]
WIRSC	LightGRID+ Module and Occupancy Sensor [4,5]

Stand Alone Sensors	
BTS-14F	Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
BTS-40F	Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming® Photocell and 360° Lens
BTSO-12F	Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
7PR	7-Pin Receptacle [4]
7PR-SC	7-Pin Receptacle with shorting cap [4]
3PR	3-Pin twist lock [4]
3PR-SC	3-Pin receptacle with shorting cap [4]
3PR-TL	3-Pin PCR with photocontrol [4]

Programmed Controls	
SCP-_F	Sensor Control Programmable, 8F or 40F [11]
ADD	AutoDim Timer Based Dimming [4]
ADT	AutoDim Time of Day Dimming [4]

Photocontrols	
PC	Button Photocontrol [4,7]

1 – Items with a grey background can be done as a custom order. Contact brand representative for more information
2 – Battery temperature rating -20C to 55C
3 – Replace "_" with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole
4 – Networked Controls cannot be combined with other control options
5 – Not available with 2PF option
6 – Not available with 480V
7 – Not available with 347 or 480V
8 – Not available with Dual Driver option
9 – Only available in Size 1 housing, up to 105 Watts
10 – Some voltage restrictions may apply when combined with controls
11 – At least one SCPREMOTE required to program SCP motion sensor. Must select 8ft or 40ft.

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

VIPER Area/Site

VIPER LUMINAIRE

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

ORDERING GUIDE (CONT'D)

CATALOG #

Accessory Type		Size		Option		Color	
SHD	Shield	**1**	Size 1	**HSS-90-B**	House Side Shield 90° Back	**BLS**	Black Gloss Smooth
		2	Size 2	**HSS-90-F**	House Side Shield 90° Front	**BLT**	Black Matte Textured
		3	Size 3	**HSS-90-S**	House Side Shield 90° Side	**DBS**	Dark Bronze Gloss Smooth
		4	Size 4	**HSS-270-BSS**	House Side Shield 270° Back/Side/Side	**DBT**	Dark Bronze Matte Textured
				HSS-270-FSS	House Side Shield 270° Front/Side/Side	**GTT**	Graphite Matte Textured
				HSS-270-FSB	House Side Shield 270° Front/Side/Back	**LGS**	Light Gray Gloss Smooth
				HSS-360	House Side Shield 360°	**PSS**	Platinum Silver Smooth
				BC	Back Light Control	**WHS**	White Gloss Smooth
MTG	Mounting			**A**	Arm Mount for square pole/flat surface	**WHT**	White Matte Textured
				ASQU	Universal Arm Mount for square pole	**VGT**	Green Landscape Decorative
				AAU	Adjustable Arm for pole mounting	**LEG**	Legacy Colors
				ADU	Decorative upswept Arm	**Color Option**	
				RPA	Round Pole Adapter	**CC**	Custom Color
				MAF	Mast Arm Fitter for 2-3/8" OD horizontal arm		
				K	Knuckle		
				T	Trunnion		
				WB	Wall Bracket (compatible with universal arm mounts)		

Accessory Type		Option	
MSC	Miscellaneous	**BIRD SPK**	Bird Spike

Current Control Solutions — Accessories (Sold Separately)

NX Lighting Controls

☐ **NXOFM-1R1D-UNV** — On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with NX Radio and Bluetooth® Radio, 120–480VAC

LightGRID+ Lighting Control

☐ **WIR-RME-L** — On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with LightGRID+ Radio, 110–480VAC

☐ **SCP-REMOTE** — Remote Control for SCP/_F option. Order at least one per project to program and control the occupancy sensor

For additional information related to these accessories please visit currentlighting.com/beacon. Options provided for use with integrated sensor, please view specification sheet ordering information table for details.

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

DATE: LOCATION:

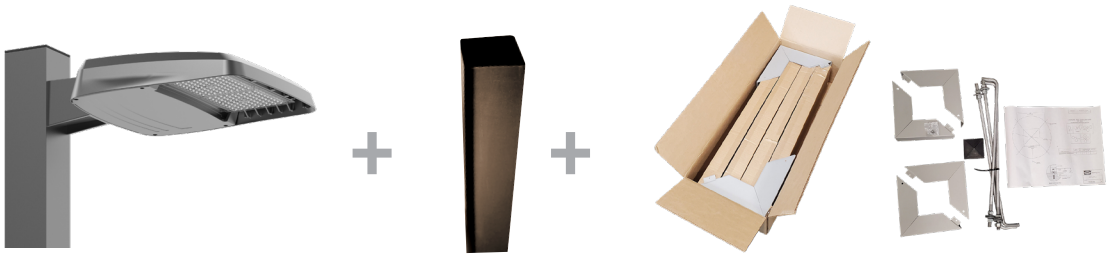
TYPE: PROJECT:

CATALOG #:

VIPER Area/Site

VIPER LUMINAIRE

VIPER POLE EXPRESS COMBO – ORDERING GUIDE



Catalog Number	Pole	Single or Double Head	Fixture	Lumens*	Wattage	Distribution	CCT/CRI	Mounting	Finish
VP-1-160-4K-3-LS-S20	**20' Square Straight Steel**	Single	**VP-1-160-4K-3-LS**	19584	158W	Type 3	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-3-LS-S20-2X	**20' Square Straight Steel**	Double	**VP-1-160-4K-3-LS**	19584	158W	Type 3	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-4F-LS-S20	**20' Square Straight Steel**	Single	**VP-1-160-4K-4F-LS**	19426	158W	Type 4F	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-4F-LS-S20-2X	**20' Square Straight Steel**	Double	**VP-1-160-4K-4F-LS**	19426	158W	Type 4F	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-3-LS-S25	**25' Square Straight Steel**	Single	**VP-1-160-4K-3-LS**	19584	158W	Type 3	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-3-LS-S25-2X	**25' Square Straight Steel**	Double	**VP-1-160-4K-3-LS**	19584	158W	Type 3	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-4F-LS-S25	**25' Square Straight Steel**	Single	**VP-1-160-4K-4F-LS**	19426	158W	Type 4F	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-4F-LS-S25-2X	**25' Square Straight Steel**	Double	**VP-1-160-4K-4F-LS**	19426	158W	Type 4F	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-3-LS-S20	**20' Square Straight Steel**	Single	**VP-1-160-5K-3-LS**	19499	158W	Type 3	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-3-LS-S20-2X	**20' Square Straight Steel**	Double	**VP-1-160-5K-3-LS**	19499	158W	Type 3	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-4F-LS-S20	**20' Square Straight Steel**	Single	**VP-1-160-5K-4F-LS**	19186	158W	Type 4F	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-4F-LS-S20-2X	**20' Square Straight Steel**	Double	**VP-1-160-5K-4F-LS**	19186	158W	Type 4F	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-3-LS-S25	**25' Square Straight Steel**	Single	**VP-1-160-5K-3-LS**	19499	158W	Type 3	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-3-LS-S25-2X	**25' Square Straight Steel**	Double	**VP-1-160-5K-3-LS**	19499	158W	Type 3	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-4F-LS-S25	**25' Square Straight Steel**	Single	**VP-1-160-5K-4F-LS**	19186	158W	Type 4F	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-4F-LS-S25-2X	**25' Square Straight Steel**	Double	**VP-1-160-5K-4F-LS**	19186	158W	Type 4F	5000K/70CRI	Universal Arm	Dark Bronze Textured

VIPER POLE EXPRESS COMBO – STOCK LUMINAIRE SKUS

Catalog Number	Lumens	LPW	Distribution	Wattage	CCT/CRI	Voltage	Mounting	Finish
VP-1-160-4K-3-LS	19584	123.9	3	158W	4000K/70CRI	120-277V	Universal Arm with RPA (A3U)	Dark Bronze Textured
VP-1-160-4K-4F-LS	19426	122.9	4F	158W	4000K/70CRI	120-277V	Universal Arm with RPA (A3U)	Dark Bronze Textured
VP-1-160-5K-3-LS	19499	123.4	3	158W	5000K/70CRI	120-277V	Universal Arm with RPA (A3U)	Dark Bronze Textured
VP-1-160-5K-4F-LS	19186	121.4	4F	158W	5000K/70CRI	120-277V	Universal Arm with RPA (A3U)	Dark Bronze Textured

VIPER POLE EXPRESS COMBO – ACCESSORIES

Catalog Number	Description
VM14DB	Vibration Dampener, mounts to top of pole for reduced vibration



© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

BEACON
design . performance . technology

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

VIPER Area/Site

VIPER LUMINAIRE

OUTDOOR LIGHTING CONTROLS OPTIONS

CONTROLS FUNCTIONALITY

LIGHTGRID+ NX LIGHTING CONTROLS MOBILE APP

	Control Option Ordering Logic & Description		Control Option Functionality									Control Option Components	
			Networkable	Grouping	Scheduling	Occupancy/ Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height		
NX Wireless	NXOFM1R1D-UNV	NX 7-Pin Twist-Lock® with NX Networked Wireless Radio, Integral Automatic Dimming Photocell, Integral Single Pole Relay with Dimming, and Bluetooth Programming	✓	✓	✓	Paired with external control	✓	✓	✓	✓	–		NXOFM-1R1D-UV
	NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor	✓	✓	✓	–	–	✓	✓	✓	–		NXRM2-H
	NXWS12F	NX Networked Wireless Enabled Integral NXSMP2-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	12ft		NXSMP2-OMNI-O
	NXWS16F	NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	16ft		NXSMP2-LMO
	NXWS40F	NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	40ft		NXSMP2-HMO
LightGRID+	WIR	LightGRID+ In-Fixture Module	✓	–	✓	–	–	✓	✓	Gateway	–		WIR
	WIR-RME-L	LightGRID+ On Fixture Module	✓	–	✓	–	–	✓	✓	Gateway	–		WIR-RME-L
	WIRSC	LightGRID+ Module and Occupancy Sensor	✓	✓	✓	✓	✓	✓	✓	Gateway	14ft - 40ft		BTMSP
Independent	BTSO-12F	Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	–	–	–	✓	✓	✓	✓	✓	12ft		BTSMP-OMNI-O
	BTS-14F	Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	–	–	–	✓	✓	✓	✓	✓	14ft		BTSMP-LMO
	BTS-40F	Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	–	–	–	✓	✓	✓	✓	✓	40ft		BTSMP-HMO

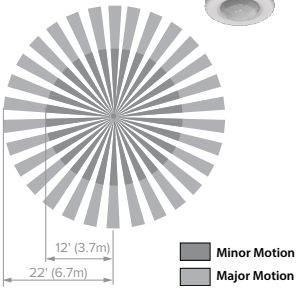
DEFAULT SETTINGS

NX Wireless	
Occupancy Sensor	Enabled
Occupancy Sensor Sensitivity	7
Occupancy Sensor Timeout	15 Minutes
Occupied Dim Level	100%
Unoccupied Dim Level	0%
Daylight Sensor	Disabled
Bluetooth	Enabled
2.4GHz Wireless Mesh	On
"Passcode Factory Passcode: HubbN3T!"	Enabled

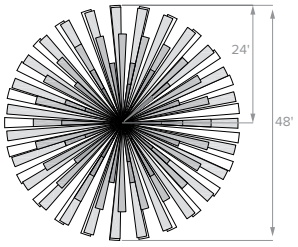
Stand Alone	
Occupancy Sensor	Enabled
Occupancy Sensor Sensitivity	7
Occupancy Sensor Timeout	8 Minutes
Occupied Dim Level	100%
Unoccupied Dim Level	50%
Daylight Sensor	Disabled

NX WIRELESS COVERAGE PATTERNS

NXSMP2-OMNI



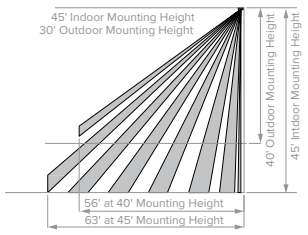
NXSMP2-LMO





Sensor Lens Coverage and Detection Patterns When Mounted at 8ft with Low Mount Lens

NXSMP2-HMO



Sensor Lens Coverage and Detection Patterns When Mounted at 40ft and 45ft with Standard Lens

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

BEACON
design . performance . technology

VIPER Area/Site

VIPER LUMINAIRE

DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

NX LIGHTING CONTROLS FREE APP



The NX Lighting Controls App is free to use mobile application for programming both NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enable luminiares and program NX system settings.

Apple App: https://apps.apple.com/us/app/nx-lighting-controls/id962112904

Google Play: https://play.google.com/store/apps/details?id=io.cordova.NXBTR&hl=en_US&gl=US

Apple App

Google Play

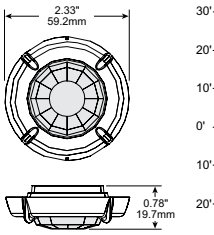
CONTROLS TECH SUPPORT 800-888-8006 (7:00 AM - 7:00 PM)

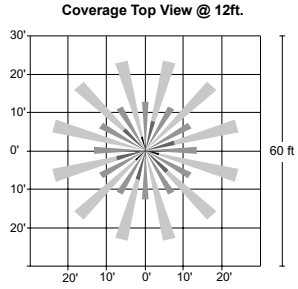
OUTDOOR LIGHTING CONTROLS OPTIONS

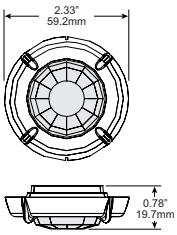
CONTROLS FUNCTIONALITY

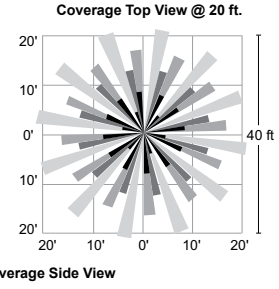
	Control Option Ordering Logic & Description		Control Option Functionality									Control Option Components
			Networkable	Grouping	Scheduling	Occupancy/ Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height	
Independent	SCP_F	Sensor Control Programmable, 8F or 40F	–	–	–	✓	✓	✓	✓	–	8ft or 40ft	SCP_F
	ADD	AutoDIM Timer Based Dimming	–	–	✓	–	–	–	✓	–	–	ADD
	ADT	AutoDIM Time of Day Dimming	–	–	✓	–	–	–	✓	–	–	ADT
	7PR	7-Pin Receptacle	–	–	Paired with external control	–	Paired with external control	–	Paired with external control	–	–	7PR
	7PR-SC	7-Pin Receptacle with shorting cap	–	–	–	–	–	–	–	–	–	7PR-SC
	3PR	3-Pin twist lock	–	–	–	–	–	–	Paired with external control	–	–	3PR
	3PR-SC	3-Pin Receptacle with shorting cap	–	–	–	–	–	–	–	–	–	3PR-SC
	3PR-TL	3-Pin with photocontrol	–	–	–	–	✓	–	✓	–	–	3PR-TL

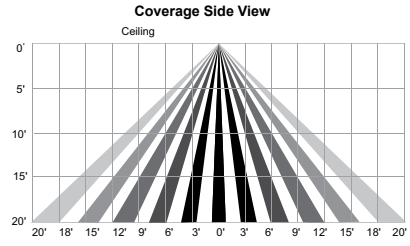
COVERAGE PATTERNS FOR SCP_F



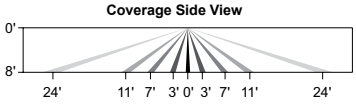


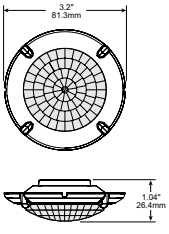


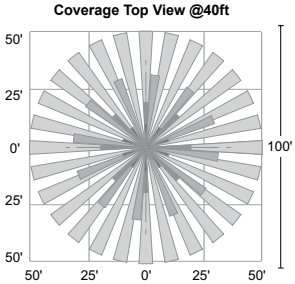


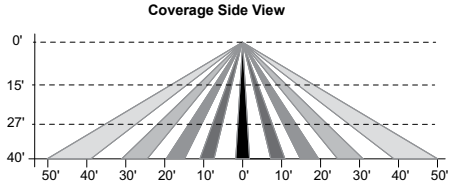


Coverage Side View









© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

VIPER Area/Site

VIPER LUMINAIRE

PROGRAMMED CONTROLS

ADD-AutoDim Timer Based Options

- Light delay options from 1-9 hours after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1-9 hours after the light has been dimmed previously.

EX: ADD-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	1-9 Hours	6 - Delay 6 hours
Auto-Dim Brightness	10-100% Brightness	5 - Dim to 50% brightness
Auto-Dim Return	Delay 0-9 Hours	R6 - Return to full output after 6 hours

ADT-AutoDim Time of Day Based Option

- Light delay options from 1AM-9PM after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1AM-9PM after the light has been dimmed previously.

EX: ADT-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	12-3 AM and 6-11 PM	6 - Dim at 6PM
Auto-Dim Brightness	10-100% Brightness	5 - Dim to 50%
Auto-Dim Return	12-6 AM and 9-11P	R6 - Return to full output at 6AM

DELIVERED LUMENS

For delivered lumens, please see Lumens Data PDF on www.Currentlighting.com

PROJECTED LUMEN MAINTENANCE

Ambient Temp.	0	25,000	*TM-21-11 36,000	50,000	100,000	Calculated L_{70} (Hours)
25°C / 77°F	1.00	0.97	0.96	0.95	0.91	408,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.89	356,000

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98

Micro Strike Lumen Multiplier			
CCT	70 CRI	80 CRI	90 CRI
2700K	–	0.841	–
3000K	0.977	0.861	0.647
3500K	–	0.900	–
4000K	1	0.926	0.699
5000K	1	0.937	0.791
AP-Amber Phosphor Converted Multiplier			
Amber	0.710		

Strike Lumen Multiplier			
CCT	70 CRI	80 CRI	90 CRI
2700K	0.9	0.81	0.62
3000K	0.933	0.853	0.659
3500K	0.959	0.894	0.711
4000K	1	0.9	0.732
5000K	1	0.9	0.732
Monochromatic Amber Multiplier			
Amber	See Amber Spec Sheet		

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

VIPER Area/Site

VIPER LUMINAIRE

ELECTRICAL DATA: MICRO STRIKE

# OF LEDS	160						
NOMINAL WATTAGE	35	50	75	100	115	135	160
SYSTEM POWER (W)	34.9	50.5	72.1	97.2	111.9	132.2	157.8
INPUT VOLTAGE (V)	CURRENT (Amps)						
120	0.29	0.42	0.63	0.83	0.96	1.13	1.33
208	0.17	0.24	0.36	0.48	0.55	0.65	0.77
240	0.15	0.21	0.31	0.42	0.48	0.56	0.67
277	0.13	0.18	0.27	0.36	0.42	0.49	0.58
347	0.10	0.14	0.22	0.29	0.33	0.39	0.46
480	0.07	0.10	0.16	0.21	0.24	0.28	0.33

# OF LEDS	320						
NOMINAL WATTAGE	145	170	185	210	235	255	315
SYSTEM POWER (W)	150	166.8	185.7	216.2	240.9	261.5	312
INPUT VOLTAGE (V)	CURRENT (Amps)						
120	1.21	1.42	1.54	1.75	1.96	2.13	2.63
208	0.70	0.82	0.89	1.01	1.13	1.23	1.51
240	0.60	0.71	0.77	0.88	0.98	1.06	1.31
277	0.52	0.61	0.67	0.76	0.85	0.92	1.14
347	0.42	0.49	0.53	0.61	0.68	0.73	0.91
480	0.30	0.35	0.39	0.44	0.49	0.53	0.66

# OF LEDS	480					
NOMINAL WATTAGE	285	320	340	390	425	470
SYSTEM POWER (W)	286.2	316.7	338.4	392.2	423.2	468
INPUT VOLTAGE (V)	CURRENT (Amps)					
120	2.38	2.67	2.83	3.25	3.54	3.92
208	1.37	1.54	1.63	1.88	2.04	2.26
240	1.19	1.33	1.42	1.63	1.77	1.96
277	1.03	1.16	1.23	1.41	1.53	1.70
347	0.82	0.92	0.98	1.12	1.22	1.35
480	0.59	0.67	0.71	0.81	0.89	0.98

# OF LEDS	720				
NOMINAL WATTAGE	435	475	515	565	600
SYSTEM POWER (W)	429.3	475	519.1	565.2	599.9
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	3.63	3.96	4.29	4.71	5.00
208	2.09	2.28	2.48	2.72	2.88
240	1.81	1.98	2.15	2.35	2.50
277	1.57	1.71	1.86	2.04	2.17
347	1.25	1.37	1.48	1.63	1.73
480	0.91	0.99	1.07	1.18	1.25

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

VIPER Area/Site

VIPER LUMINAIRE

ELECTRICAL DATA: STRIKE

# OF LEDS	36				
NOMINAL WATTAGE	39	55	85	105	120
SYSTEM POWER (W)	39.6	56.8	83.6	108.2	120.9
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	0.33	0.46	0.71	0.88	0.96
208	0.19	0.26	0.41	0.50	0.55
240	0.16	0.23	0.35	0.44	0.48
277	0.14	0.20	0.31	0.38	0.42
347	0.11	0.16	0.24	0.30	0.33
480	0.08	0.11	0.18	0.22	0.24

# OF LEDS	72				
NOMINAL WATTAGE	115	145	180	210	240
SYSTEM POWER (W)	113.7	143.2	179.4	210.2	241.7
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	1.00	1.21	1.50	1.75	1.79
208	0.58	0.70	0.87	1.01	1.03
240	0.50	0.60	0.75	0.88	0.90
277	0.43	0.52	0.65	0.76	0.78
347	0.35	0.42	0.52	0.61	0.62
480	0.25	0.30	0.38	0.44	0.45

# OF LEDS	108				
NOMINAL WATTAGE	215	250	280	325	365
SYSTEM POWER (W)	214.8	250.8	278.3	324.7	362.6
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	2.00	2.08	2.33	3.04	2.67
208	1.15	1.20	1.35	1.75	1.54
240	1.00	1.04	1.17	1.52	1.33
277	0.87	0.90	1.01	1.32	1.16
347	0.69	0.72	0.81	1.05	0.92
480	0.50	0.52	0.58	0.76	0.67

# OF LEDS		162				
NOMINAL WATTAGE	320	365	405	445	485	545
SYSTEM POWER (W)	322.1	362.6	403.6	445.1	487.1	543.9
INPUT VOLTAGE (V)		CURRENT (Amps)				
120	2.71	2.67	3.38	3.71	4.04	4.54
208	1.56	1.54	1.95	2.14	2.33	2.62
240	1.35	1.33	1.69	1.85	2.02	2.27
277	1.17	1.16	1.46	1.61	1.75	1.97
347	0.94	0.92	1.17	1.28	1.40	1.57
480	0.68	0.67	0.84	0.93	1.01	1.14

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

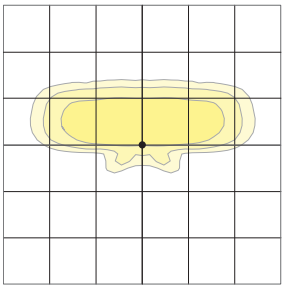
VIPER Area/Site

VIPER LUMINAIRE

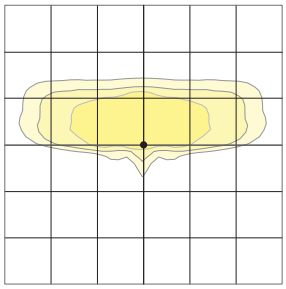
MICRO STRIKE PHOTOMETRY

The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

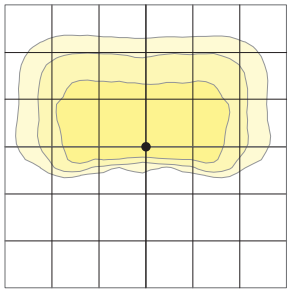
Type 2



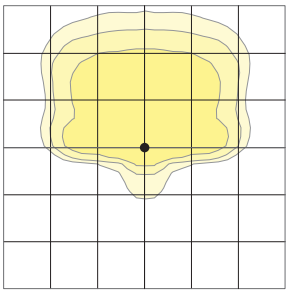
Type 3



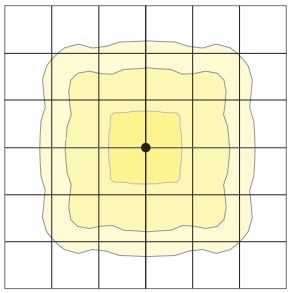
Type 4 Wide



Type 4F



Type 5QW



© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

VIPER Area/Site

VIPER LUMINAIRE

DATE: LOCATION:

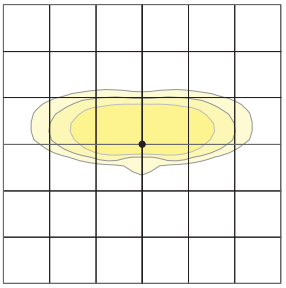
TYPE: PROJECT:

CATALOG #:

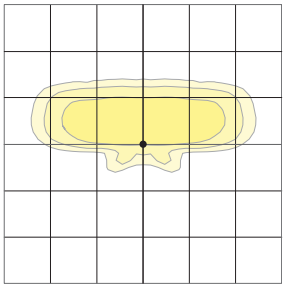
OPTIC STRIKE PHOTOMETRY

The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

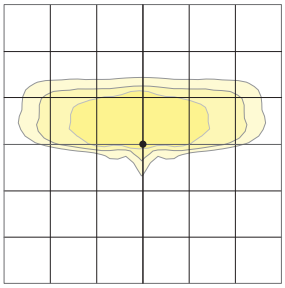
Type FR – Front Row/Auto Optic



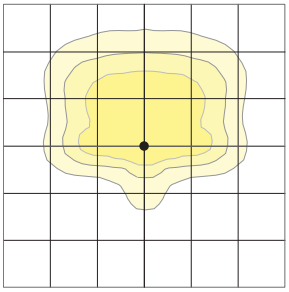
Type 2



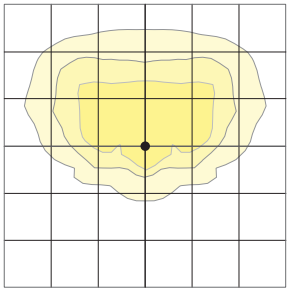
Type 3



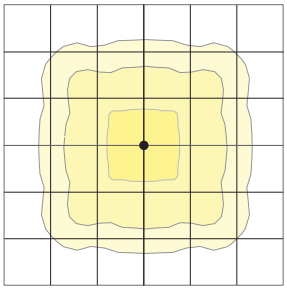
Type 4 Forward



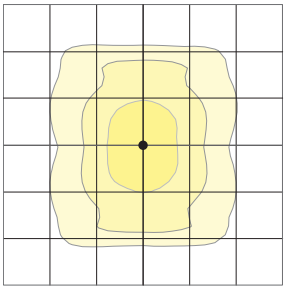
Type 4 Wide



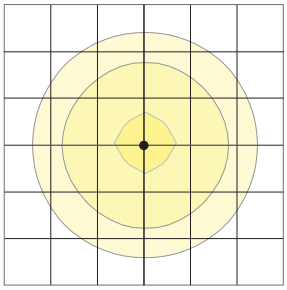
Type 5QM



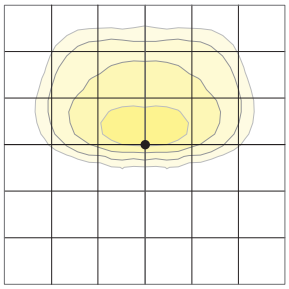
Type 5RW (rectangular)



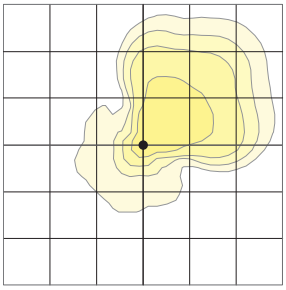
Type 5W (round wide)



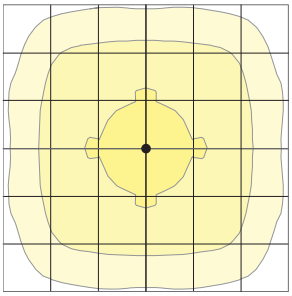
Type TC



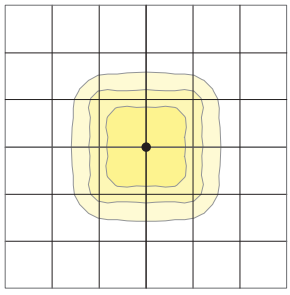
Type Corner



Type 5QW



Type 5QN



© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

BEACON
design . performance . technology

DATE: LOCATION:

TYPE: PROJECT:

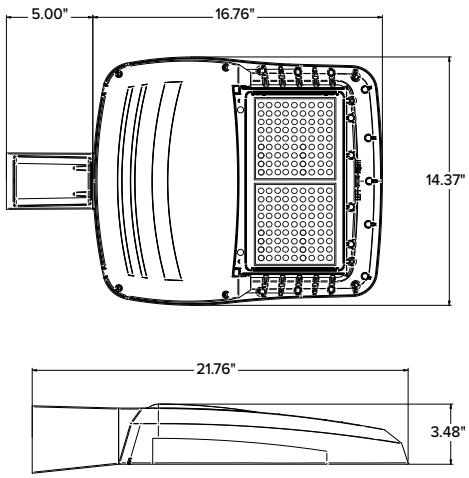
CATALOG #:

VIPER Area/Site

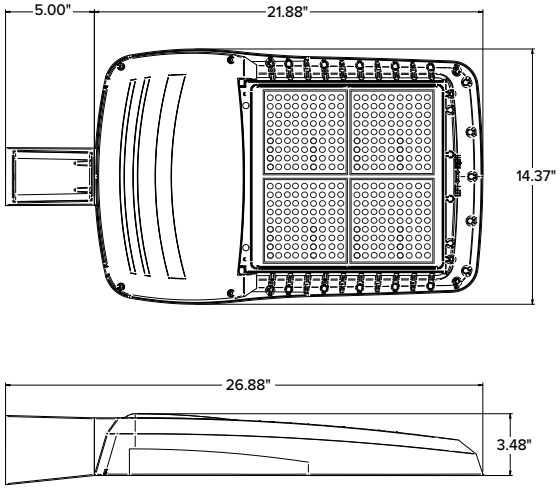
VIPER LUMINAIRE

DIMENSIONS

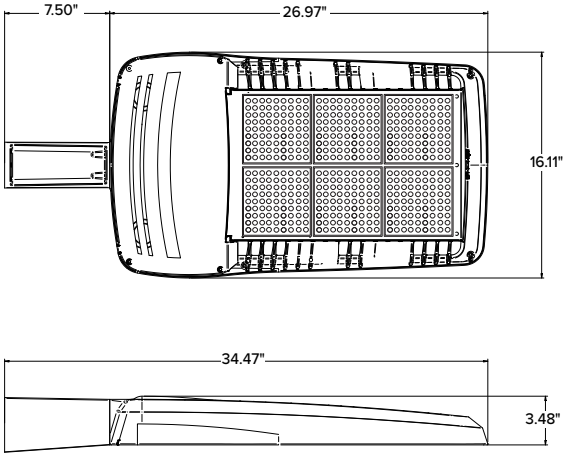
SIZE 1



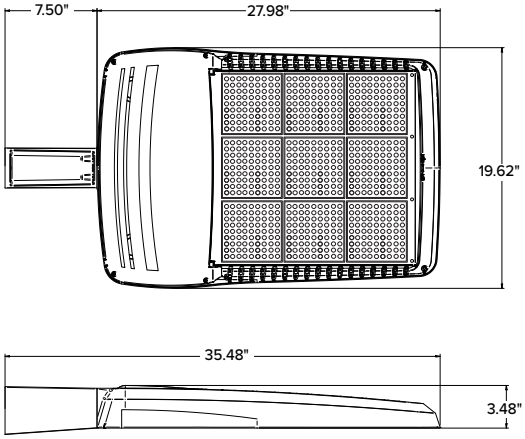
SIZE 2



SIZE 3



SIZE 4



	EPA				
	VP1 (Size 1)	VP2 (Size 2)	VP3 (Size 3)	VP4 (Size 4)	Config.
Single Fixture	0.454	0.555	0.655	0.698	
Two at 180	0.908	1.110	1.310	1.396	
Two at 90	0.583	0.711	0.857	0.948	
Three at 90	1.037	1.266	1.512	1.646	
Three at 120	0.943	1.155	1.392	1.680	
Four at 90	1.166	1.422	1.714	1.896	

	Weight	
	lbs	kgs
VP1 (Size 1)	13.7	6.2
VP2 (Size 2)	16.0	7.26
VP3 (Size 3)	25.9	11.7
VP4 (Size 4)	30.8	13.9

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

VIPER Area/Site

VIPER LUMINAIRE

DATE: LOCATION:

TYPE: PROJECT:

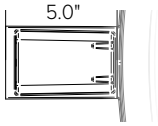
CATALOG #:

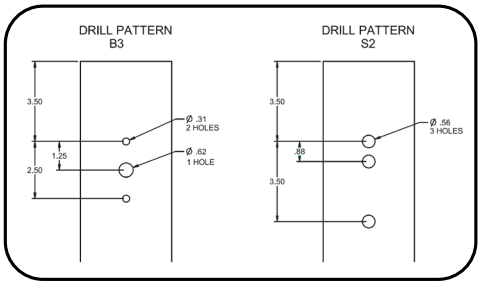
MOUNTING

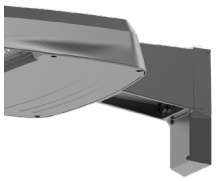


A–STRAIGHT ARM MOUNT

Fixture ships with integral arm for ease of installation. Compatible with Current Outdoor B3 drill pattern for ease of installation on square poles. For round poles add applicable suffix (2/3/4/5)

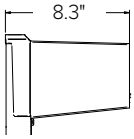


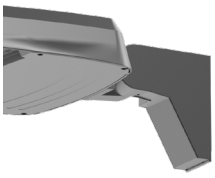




ASQU–UNIVERSAL ARM MOUNT

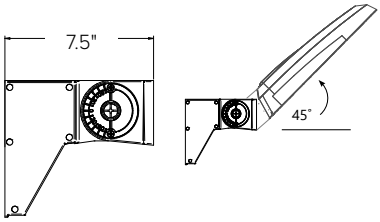
Universal mounting block for ease of installation. Compatible with drill patterns from 1.5" to 5.25" and Current drill pattern S2. For round poles add applicable suffix (2/3/4/5)

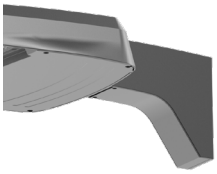




AAU–ADJUSTABLE ARM FOR POLE MOUNTING

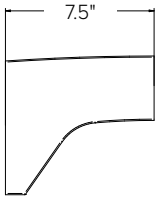
Rotatable arm mounts directly to pole. Compatible with drill patterns from 1.5" to 5.25" and Current drill pattern S2 and B3. For round poles add applicable suffix (2/3/4/5). Rotatable in 5˚ aiming angle increments. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.

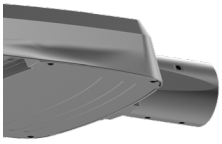




ADU–DECORATIVE UPSWEPT ARM

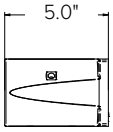
Upswept Arm compatible with drill patterns from 1.5" to 5.25" and Current drill pattern S2. For round poles add applicable suffix (2/3/4/5).

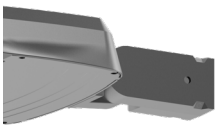




MAF–MAST ARM FITTER

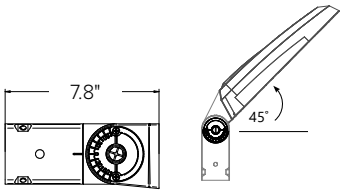
Fits 2-3/8" OD horizontal tenons.

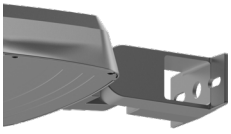




K–KNUCKLE

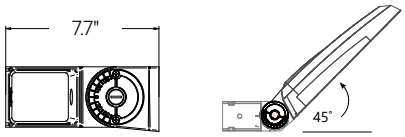
Rotatable in 5-degree aiming angle increments, fits 2-3/8" tenons or pipes. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.

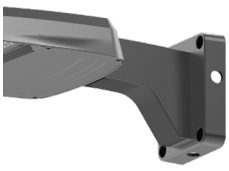




T–TRUNNION

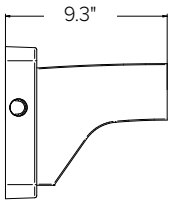
Trunnion for surface and crossarm mounting using (1) 3/4" or (2) 1/2" size through bolts. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.





WM–WALL MOUNT

Compatible with universal arm mount, adjustable arm mount, and decorative arm mount. The WA option uses the same wall bracket but replaces the decorative arm with an adjustable arm.



© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

VIPER Area/Site

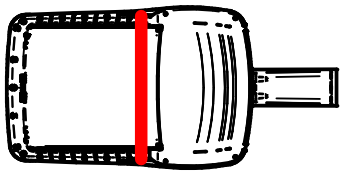
VIPER LUMINAIRE

ADDITIONAL INFORMATION (CONTINUED)

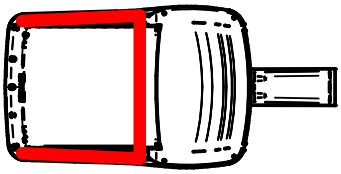
HOUSE SIDE SHIELD FIELD INSTALL ACCESSORIES

HSS has a depth of 5" for all Viper sizes
Not to be used with Occupancy Sensors as the shield may block the light to the sensor.

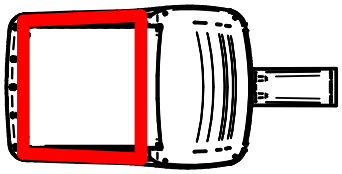
VPR2x HSS-90-B-xx



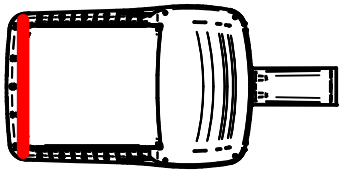
VPR2x HSS-270-BSS-xx



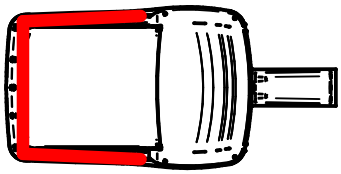
VPR2x HSS-360-xx



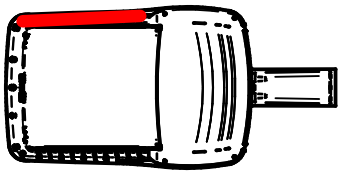
VPR2x HSS-90-F-xx



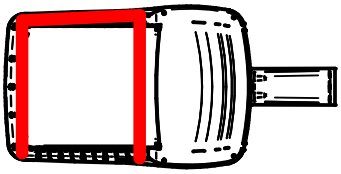
VPR2x HSS-270-FSS-xx



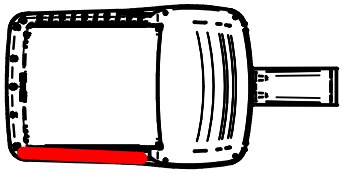
VPR2x HSS-90-S-xx



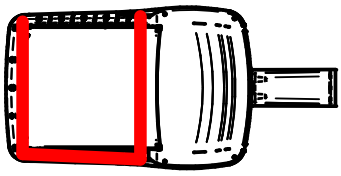
VPR2x HSS-270-FSB-xx



VPR2x HSS-90-S-xx



VPR2x HSS-270-FSB-xx



© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

KIM LIGHTING®

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

PA7R IMPACT RATED

BOLLARD

Pavilion™ impact

FEATURES

- ASTM F3016 S20 Impact Rated
- Elegant form factor blended with Performance Optics
- 44" OAH S20 Impact Rated Illuminated and Non-Illuminated Bollards
- IDA Dark Sky Compliant, No Up-light configuration
- Bluetooth enabled RGBW accent

c UL us LISTED

ida DARK SKY APPROVED 2016

IK10

S20

BAA

TAA

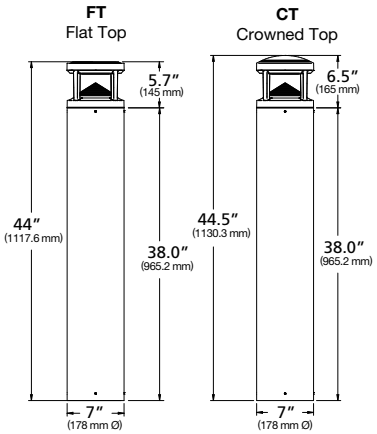
NU configurations in 3000K and warmer CCTs only



CONTROL TECHNOLOGY

Bluetooth® DMX

pharos



	Weight
PA7R	34 lbs / 15.4 kg

SPECIFICATIONS

CONSTRUCTION

HOUSING:

- Castings are low copper aluminum alloy die-cast
- Gaskets are molded silicone to prevent harmful ingress to the lamp and driver compartments
- Aluminum shaft to slide over 60” steel post that provides strength to resist impact. Steel post is centered utilizing a stress bracket, that allows for even distribution of concrete around the post, and further reinforced by a rebar cage
- Steel Post is a schedule 40 galvanized steel pipe with 6.625" OD
- IP65 rated

SHAFT:

- Aluminum shaft(s) is .125” thick extruded aluminum 6061 alloy
- American Society of Testing and Materials (ASTM) F3016 "Standard Test Method for Surrogate Testing of Vehicle Impact Protective Devices at Low Speeds" S20 Rated, which safely stops a 5,000-lb vehicle impacting the system at up to 20 mph

OPTICS

- LEDs mount to a metal printed circuit board assembly (MCPCB)
- Optical lenses are clear injection molded PMMA acrylic

OPTICS (CONTINUED)

- U0 configurations have an optically clear flat tempered glass lens, all other configurations have either an optically clear or high transmission diffused acrylic lens

INSTALLATION

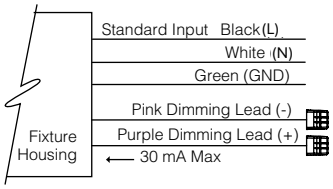
- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury

ELECTRICAL

- Universal voltage, 120 through 277V with a ±10% tolerance. Driver is Underwriters Laboratories listed
- High voltage configurations, 347/480. Driver is Underwriters Laboratories listed
- "Thermal Shield”, secondary side, thermistor provides protection for the sustainable life of LED module and electronic components
- Drivers are greater than a 0.9 power factor, less than 20% harmonic distortion, and be suitable for operation in -40°C to 40°C ambient environments
- Luminaire is capable of operating at 100% brightness in a 40°C environment. Both driver and optical array have integral thermal protection that will dim the luminaire upon detection of temperatures in excess of 85°C

CONTROLS

- Standard fixtures dimming range is from 10% to 100% and be compatible with 0-10V, user-defined, control devices



(Specifications continued on page 3)

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

KIM LIGHTING®

DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

PA7R IMPACT RATED

BOLLARD

ORDERING GUIDE

Example: PA7R-FT-NU-1-12L-010-5K7-44IRB-S20-BLS-UNV-EM

CATALOG #

HOUSING

PA7R

Model		Top		Optics		Distribution		Light Engine [5]	
PA7R	Pavilion 7" Ø Round	**FT**	Flat Top	**NU**	No Up-light	**1**	Type I	**12L-010-AMB**	14W, Monochromatic Amber
		CT	**Crowned Top** [1]	**CH**	Clear Horizontal Lens	**2**	Type II	**12L-010-3K7**	14W (1000 nominal lm), 3000K, 70 CRI
				CL [2]	Clear Vertical Lens	**3**	Type III	**12L-010-4K7**	14W (1000 nominal lm), 4000K, 70 CRI
				DL [2, 3]	Diffuse Vertical Lens	**3HS**	Type III + House side shield	**12L-010-5K7**	14W (1000 nominal lm), 5000K, 70 CRI
				LV	Louvers	**4**	Type IV	**12L-010-AMB** [6]	22W, Monochromatic Amber
				GC	Grille with clear vertical lens	**5**	Type V	**12L-020-3K7**	22W (2000 nominal lm), 3000K, 70 CRI
				GD [3]	Grille with diffuse vertical lens			**12L-020-4K7**	22W (2000 nominal lm), 4000K, 70 CRI
				ULB [4]	Non-Illuminated Bollard (No distribution, no light engine)			**12L-020-5K7**	22W (2000 nominal lm), 5000K, 70 CRI
								Consult factory for other CCTs (2700K - 6500K) and CRIs (80, 90 CRI)	

Body		Fixture Finish		Voltage		Options	
44IRB-S20	44" OAH Impact Resistant Base, ASTM F3016 S20 Rated, Aluminum	**BLS**	Black Gloss Smooth	**UNV**	120-277V	**EM** [9]	Battery Backup
44IRB-B	44" OAH Impact Resistant Blind Bollard (Non-Illuminated), Aluminum	**BLT**	Black Matte Textured	**120** [8]	120V	**LR** [10,11]	Luminous Accent
For Non-Impact Rated 44" OAH Round Pavilion		**DBS**	Dark Bronze Gloss Smooth	**277** [8]	208-277V	**SF** [12]	Single Fuse
		DBT	Dark Bronze Matte Textured	**347** [8]	347V	**DF** [12]	Double Fuse
		GTT	Graphite Matte Textured	**480** [8]	480V		
		LGS	Light Grey Gloss Smooth				
		LGT	Light Grey Matte Textured				
		PSS	Platinum Silver Gloss Smooth				
		VGT	Verde Green Matte Textured				
		WHS	White Gloss Smooth				
		WHT	White Matte Textured				
		Color Option					
		CC [7]	Custom Color				

1 Adds .6 / 15mm to OAH (over all height)
2 CL and DL configurations shall be IK04
3 Only Available with 1 Type I or 5 Type V distributions only
4 If selecting ULB, must select 44IRB-B and vice versa
5 5-step MacAdam Ellipse Binning standard. Consult factory for 3-step MacAdam Ellipse Binning
6 Wild life friendly
7 Consult factory for custom color, marine and corrosive finish options
8 Dedicated input voltage, required for MW Motions sensing
9 0°C min starting temperature, 90+ minute run time, output equivalent to 12L-010-#K7
10 Adds +5 watts and 1" / 254mm to overall height
11 Not available in Blind Bollard (Non-Illuminated)
12 SF for 120, 277 and 347 input voltage, DF for 208, 240 and 480 input voltage

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

PA7R IMPACT RATED

BOLLARD

SPECIFICATIONS CONT'D

WIRELESS CONTROLS

BLUETOOTH:

- The Integral module will enable the adjustment of the Luminous Accent to dim or change color to the desired setting when paired with Current Lighting RGBW Remote App via celluar/tablet device
- The integral module is compatible with Bluetood Low Energy (BLE) or Bluetooth Smart mobile devices operating on iOS8 or Android Gingerbread operating systems or newer
- Mobile App. dimming range from 0% to 100% through the use of RGBW app (available on IOS and Android)
- Color selection and adjustment
- Camera function for color matching
- Intensity slider for dimming/ramping up
- Save and rename up to 10 presets
- Group and rename fixtures
- Fixture is password protected, refer to instructions to set unique password

DMX:

- 6 wires: Red (DMX+), Brown (DMX-), Yellow (DMX Ground), Black (Line Voltage), White (common), and Green (Ground)
- Single DMX universe with six slots/addresses of virtual control which are pre-programmed at the factory:
- DMX slot/address 1 = red
- DMX slot/address 2 = green
- DMX slot/address 3 = blue
- DMX slot/address 4 = white
- Fully DMX RDM compatible
- Mobile App specification in additional information section

OPTIONAL BACKUP BATTERY

- Integral battery backup provides emergency path of egress lighting for the required 90 minutes for 0°C ambient environments

CAUTION:

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury

CERTIFICATIONS AND LISTINGS

- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- ASTM Standard F3016/F3016M for Surrogate Testing of Protective Device at Low Speed - S20 Crash Rated
- IP65 Rated
- IEC 66262 Mechanical Impact Code IK10
- IDA approved, 3000K and warmer CCTs only
- RoHS compliant
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11). See Buy America(n) Solutions (link to https://www.currentlighting.com/resources/america-solutions)

WARRANTY

- 5 year warranty

Bluetooth® Download on the App Store ANDROID APP ON Google play

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Kim Lighting is under license. Other trademarks and trade names are those of their respective owners.

Apple, the Apple logo, iPad, iPhone, and iPod Touch are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc. Google Play is a trademark of Google Inc.

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

KIM LIGHTING®

DATE: LOCATION:

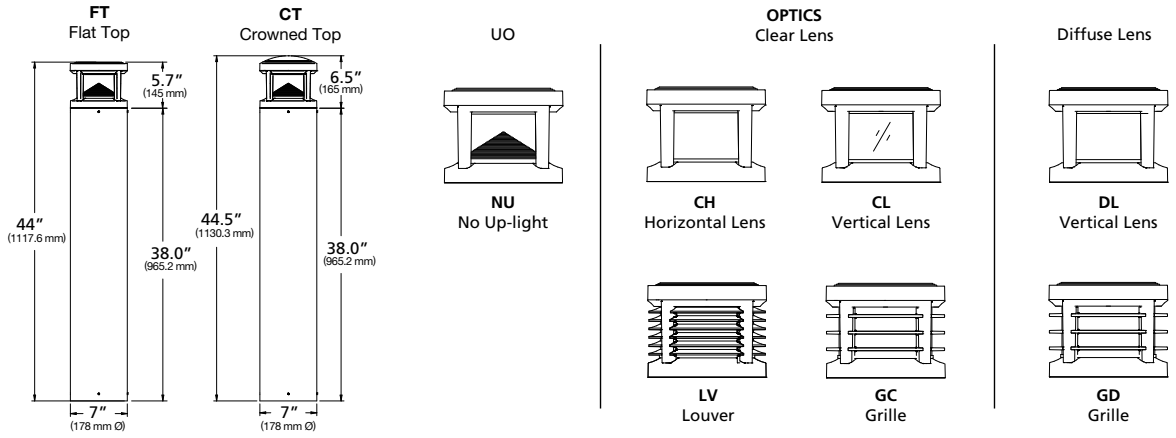
TYPE: PROJECT:

CATALOG #:

PA7R IMPACT RATED

BOLLARD

DIMENSIONS



DELIVERED LUMENS

Drive Current	LEDs #	Nominal Watts	Nominal Lumens	Lens Options	Distribution	3000K 70CRI					4000K 70CRI					5000K 70CRI				
						Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
							B	U	G			B	U	G			B	U	G	
550mA	12L	22	2,000	NU U0 Optics	1	1044	0	0	0	48	1136	0	0	0	52	1164	0	0	0	54
					2	1199	0	0	0	55	1305	0	0	0	60	1336	0	0	0	62
					3	1128	0	0	1	52	1228	0	0	1	57	1257	0	0	1	58
					3HS	953	0	0	0	44	1037	0	0	0	48	1062	0	0	1	49
					4	1362	0	0	0	63	1482	0	0	1	68	1518	0	0	1	70
					5	1265	1	0	0	58	1377	1	0	0	63	1410	1	0	0	65
				CH Clear Horizontal Lens	1	1778	0	3	1	82	1935	0	3	1	89	1981	0	3	1	91
					2	1711	1	3	1	79	1862	1	3	1	86	1906	1	3	1	88
					3	1643	1	3	1	76	1788	1	3	1	82	1831	1	3	1	84
					3HS	1443	0	3	1	66	1570	0	3	1	72	1608	0	3	1	74
					4	1731	0	3	1	80	1884	0	3	1	87	1929	0	3	1	89
					5	1841	1	3	1	85	2003	1	3	1	92	2051	1	3	1	95
				CL Clear Vertical Lens	1	1852	0	4	1	85	2016	1	4	1	93	2064	1	4	1	95
					2	1984	1	3	1	91	2159	1	3	1	99	2211	1	3	1	102
					3	2062	1	3	1	95	2244	1	3	1	103	2298	1	3	1	106
					3HS	1665	0	3	1	77	1811	0	3	1	83	1855	0	3	1	85
					4	2055	0	3	1	95	2236	1	3	1	103	2290	1	3	1	106
					5	2109	1	3	1	97	2295	1	3	1	106	2350	1	3	1	108

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

PA7R IMPACT RATED

BOLLARD

DELIVERED LUMENS (CONTINUED)

Drive Current	LEDs #	Nominal Watts	Nominal Lumens	Lens Options	Distribution	3000K 70CRI					4000K 70CRI					5000K 70CRI				
						Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
							B	U	G			B	U	G			B	U	G	
550mA	12L	22	2,000	DL Diffused Vertical Lens	1	1639	1	3	2	76	1783	1	3	2	82	1826	1	3	2	84
					5	1721	1	3	2	79	1873	1	3	2	86	1918	1	3	2	88
				LV External Louvers	1	746	0	3	1	34	811	1	3	1	37	831	1	3	1	38
					2	814	1	3	1	37	885	1	3	1	41	907	1	3	1	42
					3	838	1	3	1	39	912	1	3	1	42	934	1	3	1	43
					3HS	605	0	3	1	28	658	0	3	1	30	674	0	3	1	31
					4	879	0	3	1	41	956	1	3	1	44	979	1	3	1	45
					5	888	1	3	1	41	966	1	3	1	45	989	1	3	1	46
				GC Grill with Clear Lens	1	1038	0	3	1	48	1130	0	3	1	52	1157	0	3	1	53
					2	1021	0	3	1	47	1111	1	3	1	51	1138	1	3	1	52
					3	1024	0	3	1	47	1114	1	3	1	51	1141	1	3	1	53
					3HS	854	0	3	1	39	930	0	3	1	43	952	0	3	1	44
					4	1109	0	3	1	51	1207	0	3	1	56	1236	0	3	1	57
					5	1037	1	3	1	48	1128	1	3	1	52	1155	1	3	1	53
				GD Grill with Diffused Lens	1	1036	0	3	1	48	1127	1	3	2	52	1154	1	3	2	53
					5	953	1	3	1	44	1037	1	3	1	48	1062	1	3	1	49

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

PA7R IMPACT RATED

BOLLARD

DELIVERED LUMENS (CONTINUED)

Drive Current	LEDs #	Nominal Watts	Nominal Lumens	Lens Options	Distribution	3000K 70CRI					4000K 70CRI					5000K 70CRI				
						Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
							B	U	G			B	U	G			B	U	G	
350mA	12L	14	1,000	NU U0 Optics	1	749	0	0	0	54	815	0	0	0	59	835	0	0	0	60
					2	860	0	0	0	62	936	0	0	0	67	958	0	0	0	69
					3	809	0	0	0	58	881	0	0	0	63	902	0	0	0	65
					3HS	684	0	0	0	49	744	0	0	0	53	762	0	0	0	55
					4	977	0	0	0	70	1063	0	0	0	76	1089	0	0	0	78
					5	908	1	0	0	65	988	1	0	0	71	1011	1	0	0	73
				CH Clear Horizontal Lens	1	1184	0	3	1	85	1288	0	3	1	92	1319	0	3	1	95
					2	1139	0	3	1	82	1239	0	3	1	89	1269	0	3	1	91
					3	1094	0	3	1	79	1190	0	3	1	85	1219	0	3	1	87
					3HS	960	0	3	1	69	1045	0	3	1	75	1070	0	3	1	77
					4	1152	0	3	1	83	1254	0	3	1	90	1284	0	3	1	92
					5	1225	1	3	1	88	1333	1	3	1	96	1365	1	3	1	98
				CL Clear Vertical Lens	1	1146	0	3	1	82	1247	0	3	1	90	1277	0	3	1	92
					2	1228	0	3	1	88	1336	1	3	1	96	1368	1	3	1	98
					3	1276	0	3	1	92	1389	1	3	1	100	1422	1	3	1	102
					3HS	1030	0	3	1	74	1121	0	3	1	80	1148	0	3	1	82
					4	1272	0	3	1	91	1384	0	3	1	99	1417	0	3	1	102
					5	1305	1	3	1	94	1420	1	3	1	102	1454	1	3	1	104
				DL Diffused Vertical Lens	1	1086	0	3	1	78	1182	0	3	1	85	1210	0	3	1	87
					5	1141	1	3	1	82	1241	1	3	1	89	1271	1	3	1	91

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

PA7R IMPACT RATED

BOLLARD

DELIVERED LUMENS (CONTINUED)

Drive Current	LEDs #	Nominal Watts	Nominal Lumens	Lens Options	Distribution	3000K 70CRI					4000K 70CRI					5000K 70CRI				
						Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
							B	U	G			B	U	G			B	U	G	
350mA	12L	14	1,000	LV External Louvers	1	489	0	3	1	35	533	0	3	1	38	545	0	3	1	39
					2	534	0	3	1	38	581	0	3	1	42	595	0	3	1	43
					3	550	0	3	1	40	599	0	3	1	43	613	0	3	1	44
					3HS	397	0	3	1	29	432	0	3	1	31	442	0	3	1	32
					4	577	0	3	1	41	628	0	3	1	45	643	0	3	1	46
					5	583	1	3	1	42	634	1	3	1	46	649	1	3	1	47
				GC Grill with Clear Lens	1	843	0	3	1	61	917	0	3	1	66	939	0	3	1	67
					2	829	0	3	1	60	903	0	3	1	65	924	0	3	1	66
					3	831	0	3	1	60	905	0	3	1	65	926	0	3	1	67
					3HS	694	0	3	1	50	755	0	3	1	54	773	0	3	1	56
					4	901	0	3	1	65	980	0	3	1	70	1004	0	3	1	72
					5	842	1	3	1	60	916	1	3	1	66	938	1	3	1	67
				GD Grill with Diffused Lens	1	728	0	3	1	52	792	0	3	1	57	811	0	3	1	58
					5	782	1	3	1	56	851	1	3	1	61	872	1	3	1	63

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

PA7R IMPACT RATED

BOLLARD

PHOTOMETRY

PA7R-CH1-12L-020-4K7

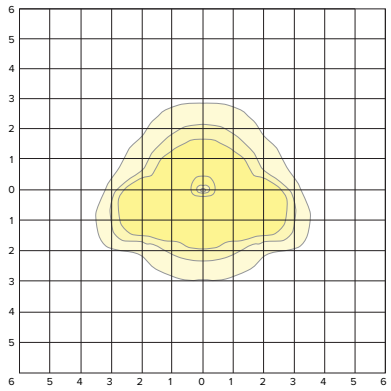
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**1935**
Watts	**22**
Efficacy	**88.0**
IES Type	**II**
BUG Rating	**B0-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1132	81.8%
Downward House Side	251	18.1%
Downward Total	1384	71%
Upward Street Side	348	63%
Upward House Side	205	37%
Upward Total	553	29%
Total Flux	1937	100%

ISOFOOT CANDLE PLOT



PA7R-CH2-12L-020-4K7

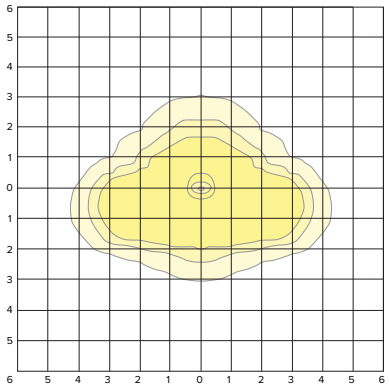
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**1862**
Watts	**22**
Efficacy	**85.0**
IES Type	**II**
BUG Rating	**B1-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1176	78.7%
Downward House Side	319	21.3%
Downward Total	1494	80%
Upward Street Side	220	60%
Upward House Side	149	40%
Upward Total	369	20%
Total Flux	1863	100%

ISOFOOT CANDLE PLOT



PA7R-CH3-12L-020-4K7

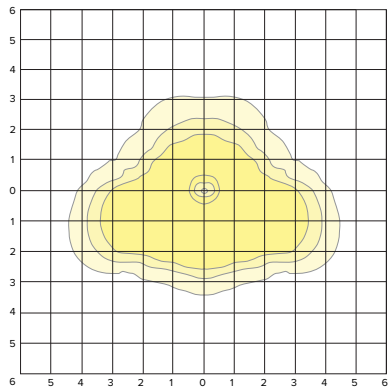
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**1788**
Watts	**21.76**
Efficacy	**82.0**
IES Type	**III**
BUG Rating	**B1-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1184	80.3%
Downward House Side	290	19.7%
Downward Total	1474	82%
Upward Street Side	185	59%
Upward House Side	130	41%
Upward Total	315	18%
Total Flux	1789	100%

ISOFOOT CANDLE PLOT



© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

PA7R IMPACT RATED

BOLLARD

PHOTOMETRY

PA7R-CH3HS-12L-020-4K7

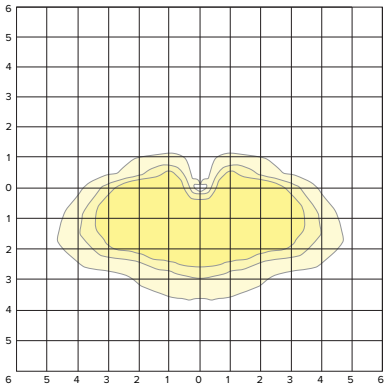
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**1570**
Watts	**21.64**
Efficacy	**73.0**
IES Type	**III**
BUG Rating	**B0-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1187	92.0%
Downward House Side	103	8.0%
Downward Total	1290	82%
Upward Street Side	230	82%
Upward House Side	51	18%
Upward Total	282	18%
Total Flux	1571	100%

ISOFOOT CANDLE PLOT



PA7R-CH4-12L-020-4K7

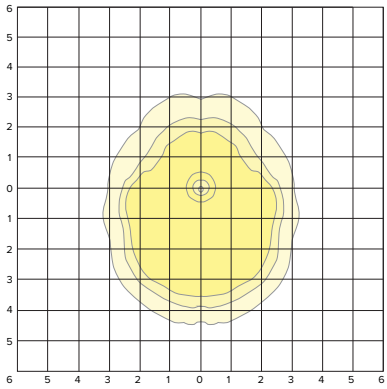
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**1884**
Watts	**21.73**
Efficacy	**87.0**
IES Type	**IV**
BUG Rating	**B0-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1316	84.0%
Downward House Side	250	16.0%
Downward Total	1566	83%
Upward Street Side	184	58%
Upward House Side	136	42%
Upward Total	319	17%
Total Flux	1885	100%

ISOFOOT CANDLE PLOT



PA7R-CH5-12L-020-4K7

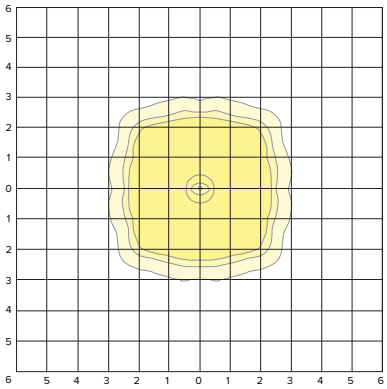
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**2003**
Watts	**21.73**
Efficacy	**92.0**
IES Type	**VS**
BUG Rating	**B1-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	825	50.0%
Downward House Side	825	50.0%
Downward Total	1650	82%
Upward Street Side	177	50%
Upward House Side	177	50%
Upward Total	354	18%
Total Flux	2004	100%

ISOFOOT CANDLE PLOT



© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

PA7R IMPACT RATED

BOLLARD

PHOTOMETRY

PA7R-CL1-12L-020-4K7

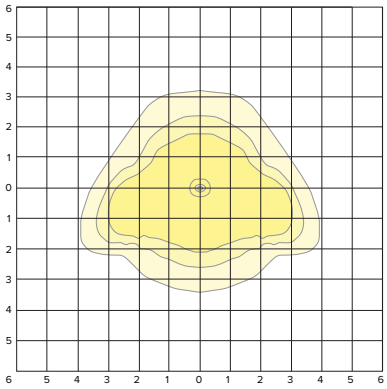
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**2016**
Watts	**21.7**
Efficacy	**93.0**
IES Type	**II**
BUG Rating	**B1-U4-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1078	77.5%
Downward House Side	312	22.5%
Downward Total	1390	69%
Upward Street Side	373	59%
Upward House Side	254	41%
Upward Total	627	31%
Total Flux	2017	100%

ISOFOOT CANDLE PLOT



PA7R-CL2-12L-020-4K7

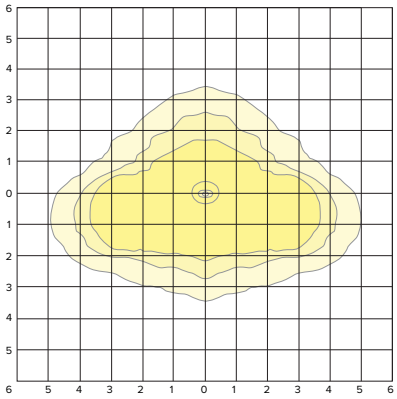
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**2159**
Watts	**21.69**
Efficacy	**100.0**
IES Type	**II**
BUG Rating	**B1-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1325	77.5%
Downward House Side	384	22.5%
Downward Total	1709	79%
Upward Street Side	258	57%
Upward House Side	193	43%
Upward Total	451	21%
Total Flux	2160	100%

ISOFOOT CANDLE PLOT



PA7R-CL3-12L-020-4K7

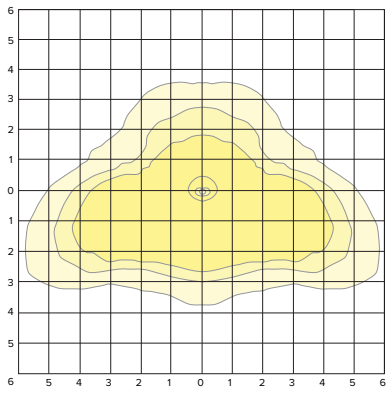
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**2244**
Watts	**21.72**
Efficacy	**103.0**
IES Type	**III**
BUG Rating	**B1-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1472	80.0%
Downward House Side	367	20.0%
Downward Total	1839	82%
Upward Street Side	231	57%
Upward House Side	175	43%
Upward Total	406	18%
Total Flux	2245	100%

ISOFOOT CANDLE PLOT



© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

PA7R IMPACT RATED

BOLLARD

PHOTOMETRY

PA7R-CL3HS-12L-020-4K7

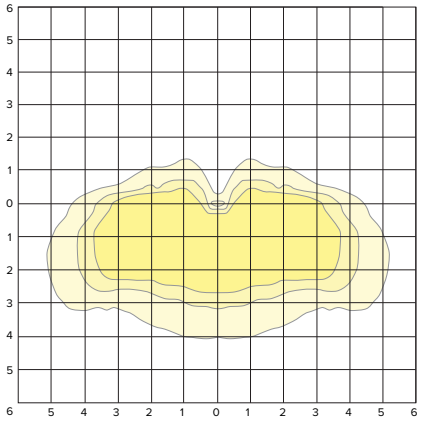
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**1811**
Watts	**21.7**
Efficacy	**83.0**
IES Type	**III**
BUG Rating	**B0-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1361	92.0%
Downward House Side	118	8.0%
Downward Total	1479	82%
Upward Street Side	277	83%
Upward House Side	56	17%
Upward Total	334	18%
Total Flux	1812	100%

ISOFOOT CANDLE PLOT



PA7R-CL4-12L-020-4K7

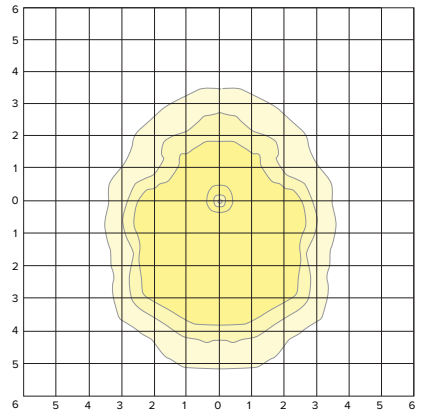
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**2236**
Watts	**21.71**
Efficacy	**103.0**
IES Type	**IV**
BUG Rating	**B1-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1552	84.9%
Downward House Side	275	15.0%
Downward Total	1827	82%
Upward Street Side	230	56%
Upward House Side	180	44%
Upward Total	410	18%
Total Flux	2237	100%

ISOFOOT CANDLE PLOT



PA7R-CL5-12L-020-4K7

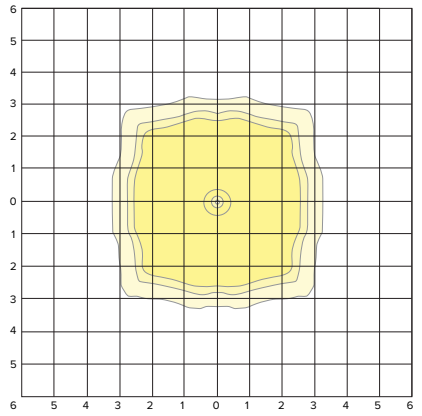
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**2296**
Watts	**21.75**
Efficacy	**106.0**
IES Type	**VS**
BUG Rating	**B1-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	937	50.0%
Downward House Side	937	50.0%
Downward Total	1874	82%
Upward Street Side	211	50%
Upward House Side	211	50%
Upward Total	422	18%
Total Flux	2296	100%

ISOFOOT CANDLE PLOT



© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

PA7R IMPACT RATED

BOLLARD

PHOTOMETRY

PA7R-DL1-12L-020-4K7

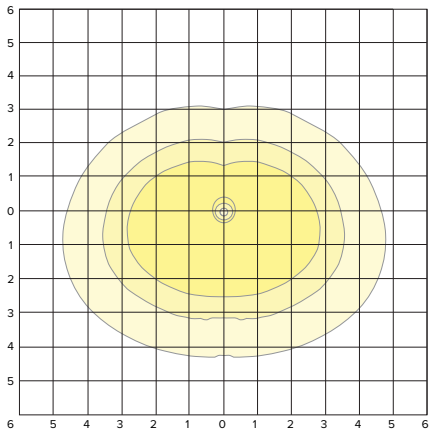
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**1783**
Watts	**21.74**
Efficacy	**82.0**
IES Type	**IV**
BUG Rating	**B1-U3-G2**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	746	66.2%
Downward House Side	381	33.8%
Downward Total	1127	63%
Upward Street Side	408	62%
Upward House Side	248	38%
Upward Total	657	37%
Total Flux	1784	100%

ISOFOOT CANDLE PLOT



PA7R-DL5-12L-020-4K7

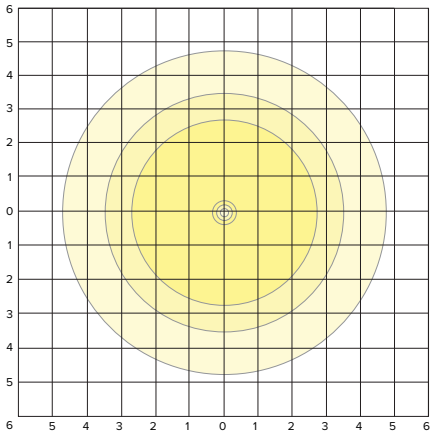
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**1873**
Watts	**21.75**
Efficacy	**86.0**
IES Type	**VS**
BUG Rating	**B1-U3-G2**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	656	50.0%
Downward House Side	656	50.0%
Downward Total	1313	70%
Upward Street Side	281	50%
Upward House Side	281	50%
Upward Total	561	30%
Total Flux	1874	100%

ISOFOOT CANDLE PLOT



PA7R-GC1-12L-020-4K7

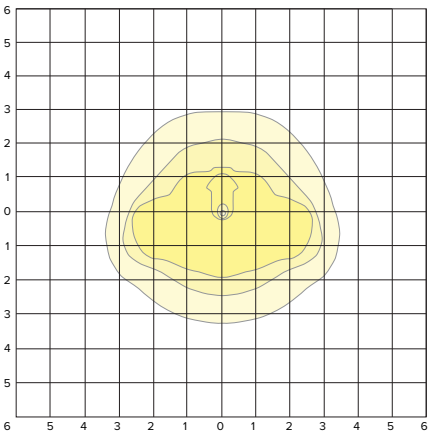
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**1130**
Watts	**21.73**
Efficacy	**52.0**
IES Type	**II**
BUG Rating	**B0-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	434	67.6%
Downward House Side	208	32.4%
Downward Total	642	57%
Upward Street Side	298	61%
Upward House Side	191	39%
Upward Total	489	43%
Total Flux	1131	100%

ISOFOOT CANDLE PLOT



© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

PA7R IMPACT RATED

BOLLARD

PHOTOMETRY

PA7R-GC2-12L-020-4K7

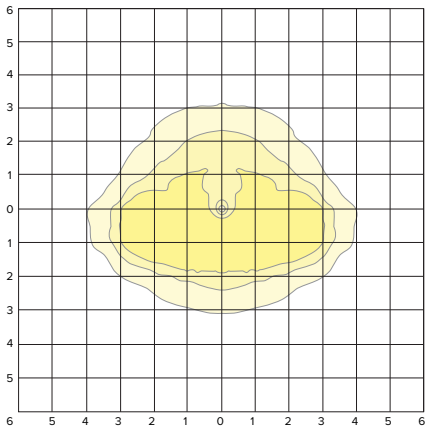
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**1111**
Watts	**21.59**
Efficacy	**51.0**
IES Type	**II**
BUG Rating	**B1-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	488	68.3%
Downward House Side	227	31.7%
Downward Total	715	64%
Upward Street Side	238	60%
Upward House Side	159	40%
Upward Total	397	36%
Total Flux	1112	100%

ISOFOOT CANDLE PLOT



PA7R-GC3-12L-020-4K7

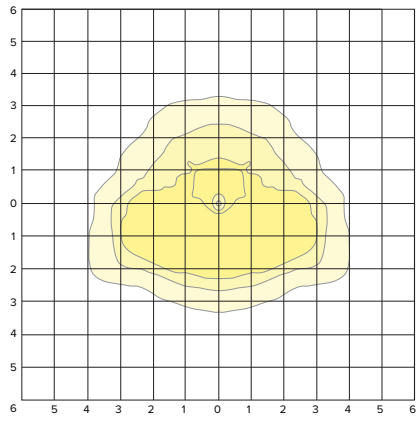
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**1114**
Watts	**21.7**
Efficacy	**51.0**
IES Type	**II**
BUG Rating	**B1-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	513	69.8%
Downward House Side	221	30.1%
Downward Total	735	66%
Upward Street Side	234	62%
Upward House Side	146	38%
Upward Total	380	34%
Total Flux	1114	100%

ISOFOOT CANDLE PLOT



PA7R-GC3HS-12L-020-4K7

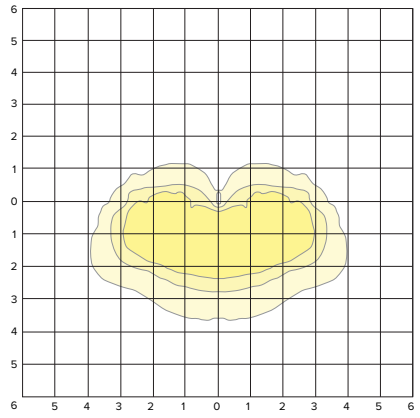
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**930**
Watts	**21.59**
Efficacy	**43.0**
IES Type	**III**
BUG Rating	**B0-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	533	87.1%
Downward House Side	79	12.8%
Downward Total	612	66%
Upward Street Side	265	83%
Upward House Side	54	17%
Upward Total	319	34%
Total Flux	931	100%

ISOFOOT CANDLE PLOT



© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

PA7R IMPACT RATED

BOLLARD

PHOTOMETRY

PA7R-GC4-12L-020-4K7

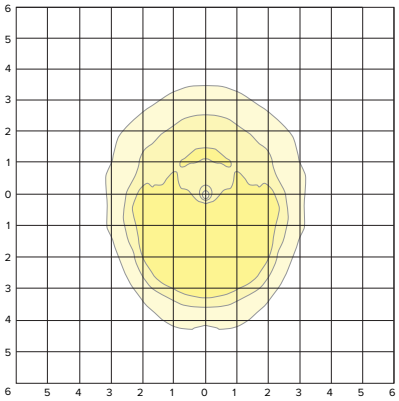
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**1207**
Watts	**21.59**
Efficacy	**56.0**
IES Type	**IV**
BUG Rating	**B0-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	591	74.2%
Downward House Side	205	25.8%
Downward Total	796	66%
Upward Street Side	267	65%
Upward House Side	146	35%
Upward Total	412	34%
Total Flux	1208	100%

ISOFOOT CANDLE PLOT



PA7R-GC5-12L-020-4K7

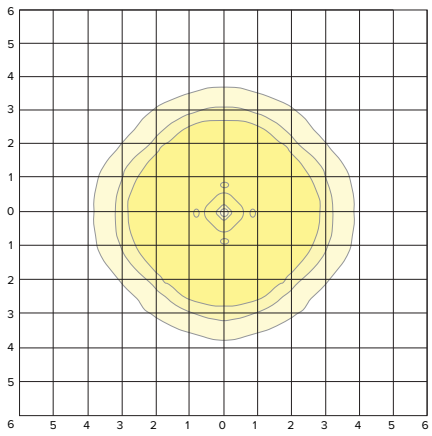
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**1128**
Watts	**21.59**
Efficacy	**52.0**
IES Type	**VS**
BUG Rating	**B1-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	382	50.0%
Downward House Side	382	50.0%
Downward Total	764	68%
Upward Street Side	183	50%
Upward House Side	183	50%
Upward Total	365	32%
Total Flux	1129	100%

ISOFOOT CANDLE PLOT



PA7R-GD1-12L-020-4K7

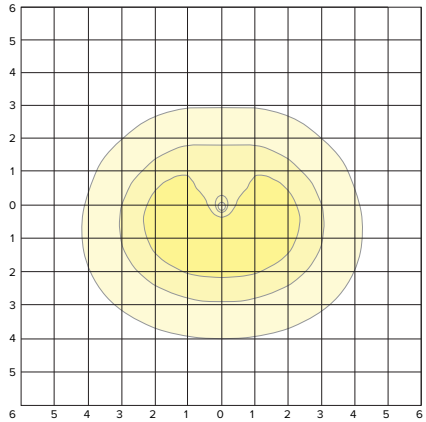
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**1127**
Watts	**21.71**
Efficacy	**51.9**
IES Type	**IV**
BUG Rating	**B1-U3-G2**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	407	62.8%
Downward House Side	241	37.2%
Downward Total	648	57%
Upward Street Side	287	60%
Upward House Side	193	40%
Upward Total	479	43%
Total Flux	1127	100%

ISOFOOT CANDLE PLOT



© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

PA7R IMPACT RATED

BOLLARD

PHOTOMETRY

PA7R-GD5-12L-020-4K7

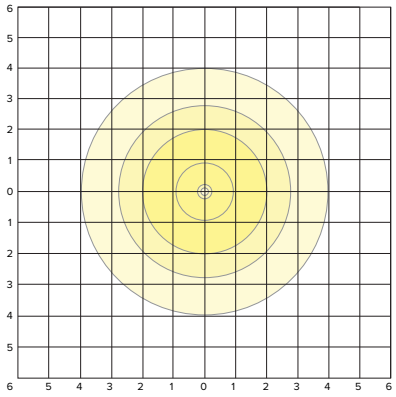
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**1037**
Watts	**21.6**
Efficacy	**48.0**
IES Type	**VS**
BUG Rating	**B1-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	309	50.0%
Downward House Side	309	50.0%
Downward Total	618	60%
Upward Street Side	210	50%
Upward House Side	210	50%
Upward Total	420	40%
Total Flux	1038	100%

ISOFOOT CANDLE PLOT



PA7R-LV1-12L-020-4K7

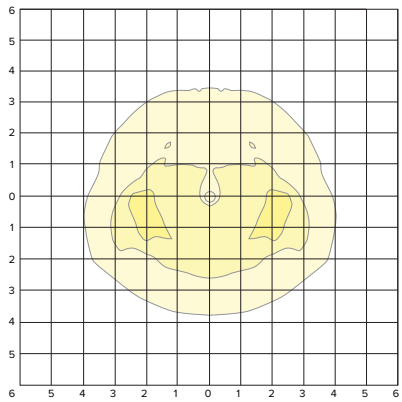
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**811**
Watts	**21.73**
Efficacy	**37.0**
IES Type	**II**
BUG Rating	**B1-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	303	57.7%
Downward House Side	222	42.2%
Downward Total	526	65%
Upward Street Side	160	56%
Upward House Side	126	44%
Upward Total	286	35%
Total Flux	812	100%

ISOFOOT CANDLE PLOT



PA7R-LV2-12L-020-4K7

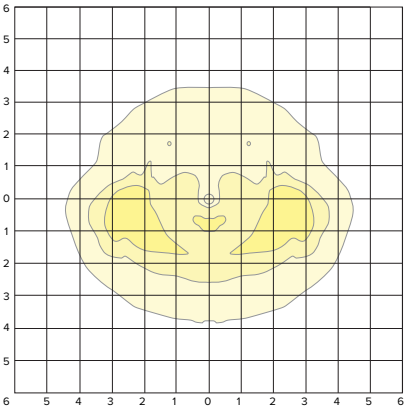
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**885**
Watts	**21.68**
Efficacy	**41.0**
IES Type	**II**
BUG Rating	**B1-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	378	61.9%
Downward House Side	233	38.1%
Downward Total	611	69%
Upward Street Side	158	58%
Upward House Side	116	42%
Upward Total	274	31%
Total Flux	885	100%

ISOFOOT CANDLE PLOT



© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

PA7R IMPACT RATED

BOLLARD

PHOTOMETRY

PA7R-LV3-12L-020-4K7

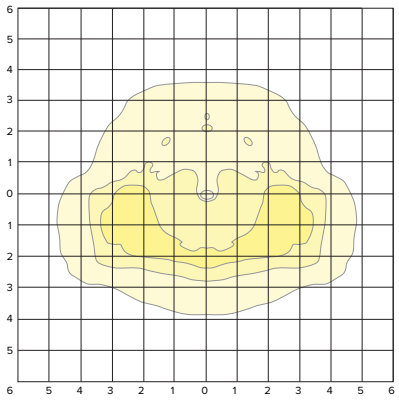
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**912**
Watts	**21.69**
Efficacy	**42.0**
IES Type	**III**
BUG Rating	**B1-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	414	63.7%
Downward House Side	233	35.8%
Downward Total	650	71%
Upward Street Side	154	59%
Upward House Side	109	41%
Upward Total	263	29%
Total Flux	913	100%

ISOFOOT CANDLE PLOT



PA7R-LV3HS-12L-020-4K7

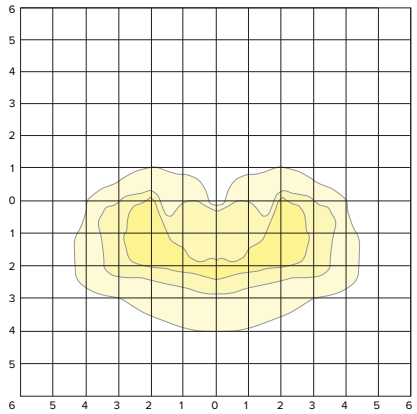
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**658**
Watts	**21.69**
Efficacy	**30.0**
IES Type	**III**
BUG Rating	**B0-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	383	82.5%
Downward House Side	81	17.5%
Downward Total	464	71%
Upward Street Side	155	80%
Upward House Side	39	20%
Upward Total	194	29%
Total Flux	658	100%

ISOFOOT CANDLE PLOT



PA7R-LV4-12L-020-4K7

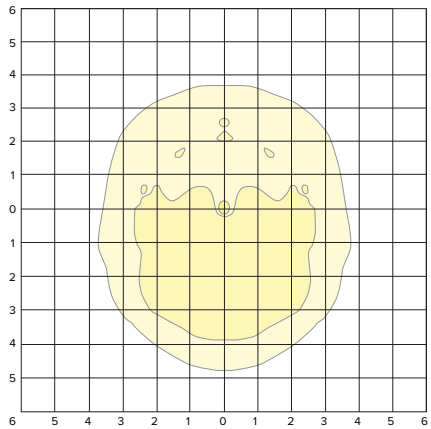
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**956**
Watts	**21.69**
Efficacy	**44.0**
IES Type	**IV**
BUG Rating	**B1-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	454	67.5%
Downward House Side	219	32.5%
Downward Total	673	70%
Upward Street Side	176	62%
Upward House Side	107	38%
Upward Total	283	30%
Total Flux	956	100%

ISOFOOT CANDLE PLOT



© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

PA7R IMPACT RATED

BOLLARD

PHOTOMETRY

PA7R-LV5-12L-020-4K7

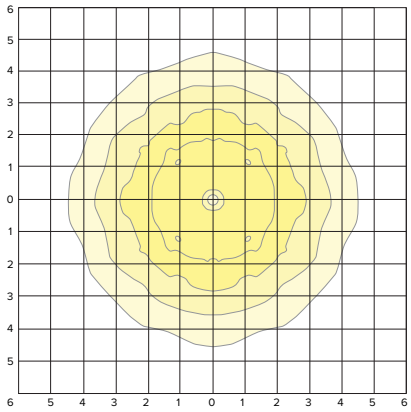
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**966**
Watts	**21.7**
Efficacy	**45.0**
IES Type	**VS**
BUG Rating	**B1-U3-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	354	50.0%
Downward House Side	354	50.0%
Downward Total	708	73%
Upward Street Side	129	50%
Upward House Side	129	50%
Upward Total	259	27%
Total Flux	967	100%

ISOFOOT CANDLE PLOT



PA7R-NU1-12L-020-4K7

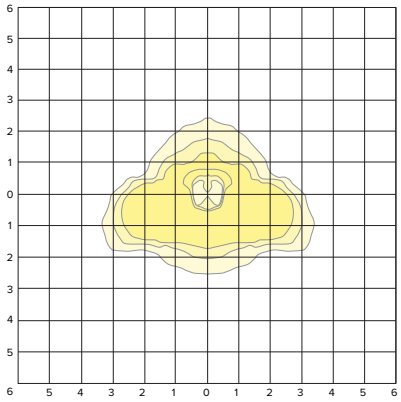
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**1136**
Watts	**21.75**
Efficacy	**52.0**
IES Type	**I**
BUG Rating	**B0-U0-G0**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	986	86.7%
Downward House Side	151	13.3%
Downward Total	1137	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	1137	100%

ISOFOOT CANDLE PLOT



PA7R-NU2-12L-020-4K7

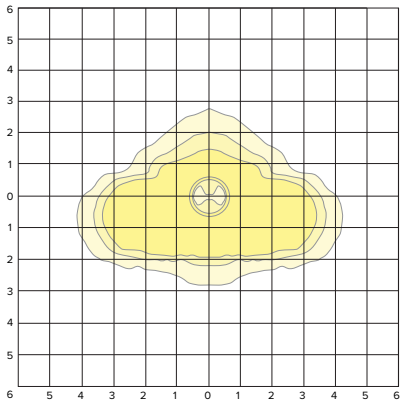
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**1305**
Watts	**21.74**
Efficacy	**60.0**
IES Type	**II**
BUG Rating	**B0-U0-G0**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1073	82.2%
Downward House Side	233	17.8%
Downward Total	1306	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	1306	100%

ISOFOOT CANDLE PLOT



© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

PA7R IMPACT RATED

BOLLARD

PHOTOMETRY

PA7R-NU3-12L-020-4K7

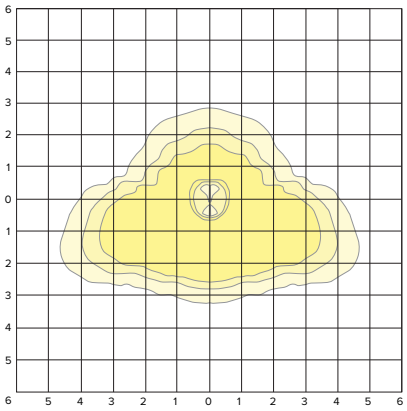
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**1228**
Watts	**21.76**
Efficacy	**56.0**
IES Type	**III**
BUG Rating	**B0-U0-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1035	84.3%
Downward House Side	194	15.8%
Downward Total	1228	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	1228	100%

ISOFOOT CANDLE PLOT



PA7R-NU3HS-12L-020-4K7

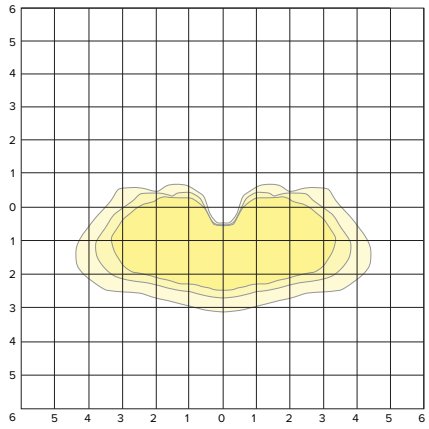
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**1037**
Watts	**21.74**
Efficacy	**48.0**
IES Type	**III**
BUG Rating	**B0-U0-G0**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	987	95.1%
Downward House Side	51	4.9%
Downward Total	1038	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	1038	100%

ISOFOOT CANDLE PLOT



PA7R-NU4-12L-020-4K7

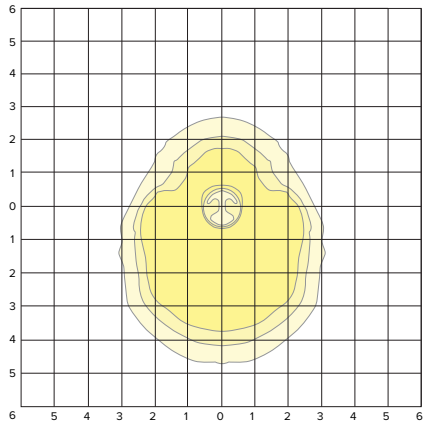
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**1482**
Watts	**21.67**
Efficacy	**68.0**
IES Type	**IV**
BUG Rating	**B0-U0-G1**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1318	88.9%
Downward House Side	164	11.1%
Downward Total	1483	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	1483	100%

ISOFOOT CANDLE PLOT



© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

PA7R IMPACT RATED

BOLLARD

PHOTOMETRY(CONTINUED)

PA7R-NU5-12L-020-4K7

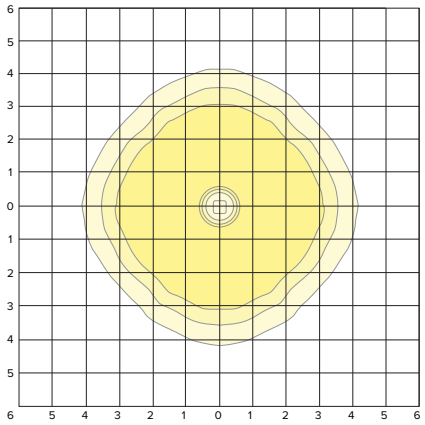
LUMINAIRE DATA

Description	**4000K, 70CRI**
Delivered Lumens	**1377**
Watts	**21.68**
Efficacy	**63.0**
IES Type	**VS**
BUG Rating	**B1-U0-G0**
Mounting Height	**3.5 ft**
Grid Scale	**6 ft**

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	689	50.0%
Downward House Side	689	50.0%
Downward Total	1377	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	1377	100%

ISOFOOT CANDLE PLOT



© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

KIM LIGHTING®

DATE: LOCATION:

TYPE: PROJECT:

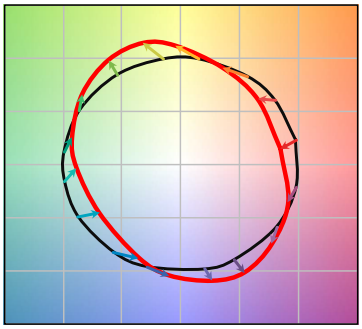
CATALOG #:

PA7R IMPACT RATED

BOLLARD

TM-30 DATA

COLOR VECTOR GRAPHIC

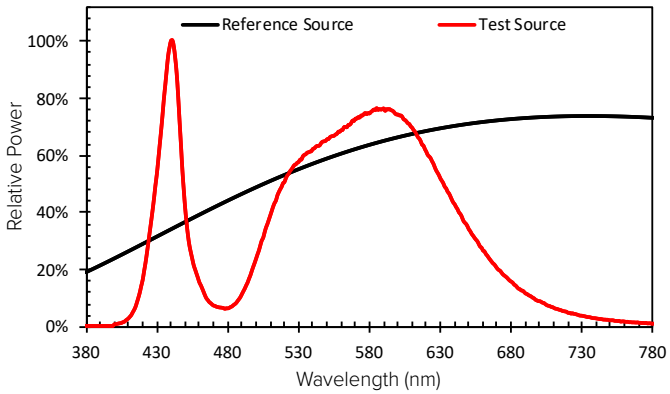


Reference Illuminant — Test Source

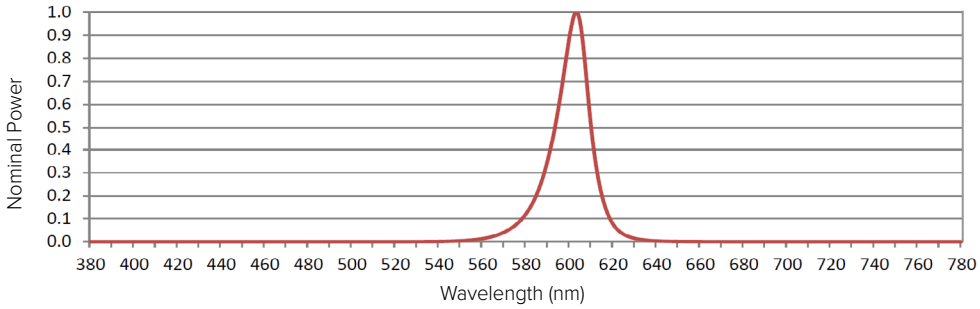
TEST SOURCE

R_f	68
R_g	99
CCT(K)	3947
D_{UV}	0.0004
x	0.3831
y	0.3793
CIE R_a	72

SPECTRAL POWER DISTRIBUTION COMPARISON



AMBER SPECTRAL POWER DISTRIBUTION



ELECTRICAL DATA

Electrical													Dimming				
# LED	System Watts	Drive Current	Line Voltage		Amps AC						Min. Power Factor	Max THD (%)	Dimming Range	Source current out of 0-10V		Absolute voltage range on 0-10V (+)	
			VAC	Hz	120	208	240	277	347	480				Min	Max	Min	Max
12	22	550mA	120-480	50/60	0.18	0.11	0.09	0.08	0.06	0.05	>0.9	20	10% to 100%	0mA	1mA	0V	10V
	14	350mA			0.12	0.07	0.06	0.05	0.04	0.03							

TM-21 Lifetime Calculation - Projected Lumen Maintenance (25°C / 77°C) & (40°C / 104°C)						
Hours	0	25,000	36,000	50,000	100,000	Reported L70
Projected Lumen Maintenance	100%	98%	97%	95%	90%	60khrs

CRI Lumen Multiplier 80 and 90 CRI		
CCT	80 CRI	90 CRI
2700K	0.859	0.655
3000K	0.9119	0.7033
3500K	0.906	0.732
4000K	0.8941	0.734
5000K	0.879	0.7712
Scailing factor of 5000K 70CRI lumen packages		

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

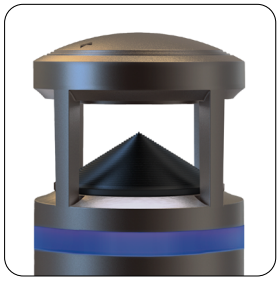
PA7R IMPACT RATED

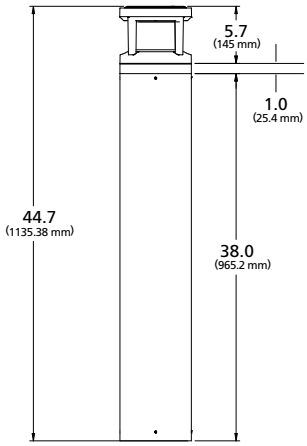
BOLLARD

ADDITIONAL INFORMATION

LUMINOUS ACCENT:

- The Luminous Accent option adds an additional 1" / 25.4mm to the overall fixture height and may be controlled via wired DMX RDM or Bluetooth wireless. The Luminous Accent shall be IK08.

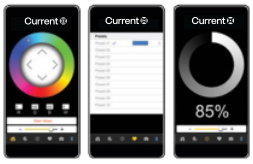




HUBBELL LIGHTING RGBW REMOTE APP

- The Hubbell Lighting RGBW Remote application may be downloaded free of charge from the Apple App Store or Google Play.
- Color selection and adjustment.
- Camera function for color matching.
- Intensity slider for dimming/ramping up.
- Save and rename up to 10 presets.
- Group and rename fixtures.
- Fixture is password protected, refer to instructions to set unique password.



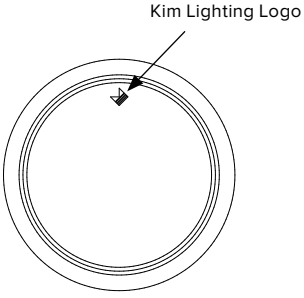


MOUNTING

ALUMINUM BODY

- Once attached to base mounting plate, fixture may be rotated 20° in either direction and secured with set screws at base of the bollard body. KIM Lighting logo indicates 'street side' output. Once installed on the impact post, fixture may be rotated 360 degrees and secured with set screw

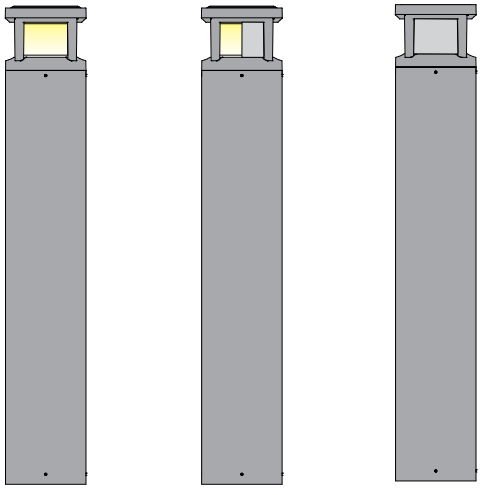
Street Side



Top View

SHIELDING

- HS configurations feature factory installed 180° shield(s) that may also be installed in the field for any Optic configuration.



HS Front View HS Side View HS Back View

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

EXO
OUTDOOR LIGHTING

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

LNC2

SMALL LED LITEPAK

FEATURES

- 60% more lumens and increased performance than smaller LNC models
- 3000K, 4000K and 5000K as well as Phosphor Converted Amber
- Type II, III and IV distributions available for a variety of application needs
- Quick-mount adapter allows easy installation/maintance
- 347V and 480V versions for industrial applications and Canada
- Full cut-off, neighbor friendly
- Optional photocontrol for additional energy savings



C SP US IP65 DLC LISTED DLC LISTED PREMIUM

SERVICE PROGRAMS

QS10

CONTROL TECHNOLOGY

NX LIGHTING CONTROLS

SPECIFICATIONS

CONSTRUCTION

- Rugged die-cast aluminum housing protects components and provides an architectural appearance
- Casting thermally conducts LED heat to optimize performance and long life
- Powder paint finish provides durability in outdoor environments. Tested to meet 1000 hour salt spray rating.
- Construction tested to ASTM B117 for 1,000 hours of salt spray.

OPTICS

- Zero uplight distributions using individual acrylic Micro Strike Optics
- LED optics provide IES type III and IV distributions. Optional (CS) acrylic diffuser available for reduced glare
- L96 at 60,000hrs (Projected per IESNA TM-21-11), see table on page 3 for all values

INSTALLATION

- Quick-mount adapter provides easy installation to wall or to recessed junction boxes (4" square junction box)
- Designed for direct j-box mount.
- Optional 1/2" conduit hubs available (standard for control options and battery versions)

ELECTRICAL

- 120V-277V universal voltage 50/60Hz 0-10V dimming drivers
- 347V and 480V dimmable driver option available in 25W and 35W configurations
- Minimum operating temperature is -40˚C/-40˚F
- Drivers have greater than .90 power factor and less than 20% Total Harmonic Distortion
- Driver RoHS and IP66
- 10kA surge protector available as an option
- 3000K CCT nominal, 4000K CCT nominal, 5000K CCT nominal (70 CRI)

CONTROLS

- Universal button photocontrol for use with 120-277V configurations
- Occupancy sensor options available for complete on/off and dimming control
- NX Lighting Controls™ available that feature dimming and occupancy sensor
- Integral Battery Backup provides emergency lighting for the required 90 minute path of egress. Uses 15 watts of power for about 2000 lumens
- Dual Driver option provides 2 drivers within luminaire but only one set of leads exiting the luminaire, where Dual Power Feed provides two drivers which can be wired independently as two sets of leads are extended from the luminaire. Both options can not be included in one fixture.

CERTIFICATIONS

- Listed to UL1598 and CSAC22.2#250.0-24 for wet locations
- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Not all product variations on this page are DLC Qualified. Refer to http://www.designlights.org/ for the most up-to-date list.
- Fixture is IP65 rated

WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	1000-5600
Wattage Range	10-45
Efficacy Range (LPW)	108-124
Weights lbs. (kg)	9.6 (24.5)

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

EXO OUTDOOR LIGHTING

LNC2

SMALL LED LITEPAK

DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

ORDERING GUIDE

= Service Program Limit of 15 luminaires QS10

Example: LNC2-48L-25-3K7-3-UNV-DBT-PC

CATALOG #

ORDERING INFORMATION

Series		Light Engine		CCT/CRI		Distribution		Voltage	
LNC2	Small LitePak LNC2	**48L-10**	1000 lumens	**3K7**	3000K, 70 CRI	**3**	Type 3	**UNV**	120-277V
		48L-15	2000 lumens	**4K7**	4000K, 70 CRI	**4W**	Type 4 Wide	**120**	120V
		48L-20	2500 lumens	**5K7**	5000K, 70 CRI			**208**	208V
		48L-25	3500 lumens	**AP**	Amber Phosphor Converted [11]			**240**	240V
		48L-35	4500 lumens					**277**	277V
		48L-45	5600 lumens					**347**	347V [7]
								480	480V [7]

Mounting		Finish		Control Options		Additional Options	
Leave blank for down		**BLT**	Black Matte Textured	**PC**	Photocontrol [4]	**F**	Fusing (specify voltage)
NV	Inverted [3]	**BLS**	Black Gloss Smooth	**BTSO12F**	"Bluetooth Programmable, PIR Occupancy/Daylight Sensor, up to 12' mounting height [5, 8]	**EH**	Battery Backup Unit with Heater (-30˚C) [6, 9]
		DBT	Dark Bronze Matte Textured			**E**	Battery Backup Unit (0˚C) [6, 9]
		DBS	Dark Brone Gloss Smooth	**SCP_F**	Programmable Occupancy Sensor to Control Options Section [9, 10, 12]	**CS**	Comfort Shield (N/A with Prismatic Refractor)
		GTT	Graphite Matte Textured			**2DR**	Dual Driver [1, 2]
		LGS	Light Grey Gloss Smooth			**2PF**	Dual Power Feed [1, 2]
		PSS	Platinum Silver Smooth			**CH**	Surface Conduit Hubs [5]
		WHT	White Matte Textured			**SP**	10kA Surge Protector
		WHS	White Gloss Smooth				
		VGT	Verde Green Textured				
		Color Option					
		CC	Custom Color				

NOTES

1 Available in 25, 35 & 45W
2 Options cannot be combined with controls or PC option
3 Not available with occupancy sensor, battery backup
4 PC comes in standard housing
5 BTS and CH options come in medium back box
6 E and EH come in large back box
7 347V & 480V only available in 25 and 35W
8 Only available in 45 Watt
9 Not available in 347/480 Volt
10 Select 8 ft or 20 ft mounting height
11 Can be ordered as ETO
12 Not available with E or EH

REPLACEMENT PARTS (MADE TO ORDER) /ACCESSORIES

	Catalog Number	Description
☐	**WP-BB-XXX***	Accessory for conduit entry
☐	**LNC2-CS**	Frosted acrylic comfort shield/lens reduces glare and improves uniformity with only 15% lumen reduction

Notes:

* Replace XXX with paint color

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

EXO
OUTDOOR LIGHTING

LNC2

SMALL LED LITEPAK

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

ORDERING GUIDE – STOCK

STOCK ORDERING INFORMATION

Catalog Number	Lumens	Wattage	LED Count	CCT/CRI	Voltage	Distribution	Photocell	Finish
LNC2-25-4K-3-PC	2793	25	48L	4000K/70	120-277V	3	Yes	Dark Bronze Matte Textured
LNC2-35-4K-3-PC	3910	35	48L	4000K/70	120-277V	3	Yes	Dark Bronze Matte Textured

PERFORMANCE DATA

Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)			4K (4000K NOMINAL 70 CRI)			3K (3000K NOMINAL 80 CRI)		
			Lumens	LPW	B-U-G	Lumens	LPW	B-U-G	Lumens	LPW	B-U-G
10W	10.6W	Type 3	1213	121	B0-U0-G0	1117	112	B0-U0-G0	1081	108	B0-U0-G0
		Type 4	1244	124	B0-U0-G0	1144	114	B0-U0-G0	1109	111	B0-U0-G0
15W	14.5W	Type 3	1820	121	B0-U0-G0	1676	112	B0-U0-G1	1622	108	B0-U0-G1
		Type 4	1868	125	B0-U0-G1	1718	115	B0-U0-G1	1663	111	B0-U0-G1
20W	20W	Type 3	2427	121	B0-U0-G1	2234	112	B0-U0-G1	2163	108	B0-U0-G1
		Type 4	2487	124	B0-U0-G1	2292	115	B0-U0-G1	2218	111	B0-U0-G1
25W	28W	Type 3	3033	121	B1-U0-G1	2793	112	B0-U0-G1	2703	108	B0-U0-G1
		Type 4	3112	124	B0-U0-G1	2862	114	B0-U0-G1	2772	111	B0-U0-G1
35W	36.4W	Type 3	4247	121	B1-U0-G1	3910	112	B1-U0-G1	3785	108	B0-U0-G1
		Type 4	4355	124	B1-U0-G2	4011	115	B1-U0-G1	3881	111	B1-U0-G1
45W	45.1W	Type 3	5466	118	B1-U0-G1	5031	112	B1-U0-G1	4871	106	B1-U0-G2
		Type 4	5604	117	B1-U0-G2	5159	108	B1-U0-G2	4995	104	B1-U0-G2

PROJECTED LUMEN MAINTENANCE

STANDARD 9, 12 AND 18L VERSIONS

Ambient Temperature	OPERATING HOURS					
	0	25,000	50,000	TM-21-11* L96 60,000	100,000	L70 (Hours)
25°C / 77°F	1	0.97	0.95	0.94	0.91	408,000
40°C / 104°F	0.99	0.96	0.94	0.93	0.89	356,000

LUMINAIRE AMBIENT TEMP FACTOR

AMB TEMP		LUMEN MULTIPLIER
0C	32F	1.03
10C	50F	1.01
20C	68F	1
25C	77F	1
30C	86F	0.99
40C	104F	0.98

Micro Strike Lumen Multiplier			
CCT	70 CRI	80 CRI	90 CRI
2700K	–	0.841	–
3000K	0.977	0.861	0.647
3500K	–	0.900	–
4000K	1	0.926	0.699
5000K	1	0.937	0.791
Monochromatic Amber Multiplier			
Amber	0.710		

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

EXO OUTDOOR LIGHTING

LNC2

SMALL LED LITEPAK

DATE: LOCATION:

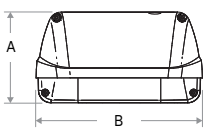
TYPE: PROJECT:

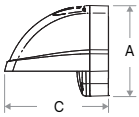
CATALOG #:

ELECTRICAL DATA

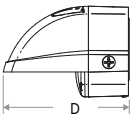
System Watts	Input Voltage	Current (AMPS)	System Power (W)
10W	120	0.09	10.6
	277	0.038	
	347	0.031	
	480	0.022	
15W	120	0.12	14.5
	277	0.07	
	347	0.04	
	480	0.03	
20W	120	0.169	20
	277	0.072	
	347	0.058	
	480	0.042	
25W	120	0.235	28
	277	0.101	
	347	0.081	
	480	0.058	
35W	120	0.305	36.4
	277	0.131	
	347	0.105	
	480	0.076	
45W	120	0.378	45.1
	277	0.163	
	347	0.13	
	480	0.094	

DIMENSIONS

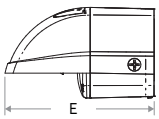




SCP HOSUING



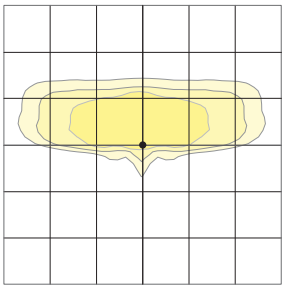
EH - BATTERY BACKUP HOUSING



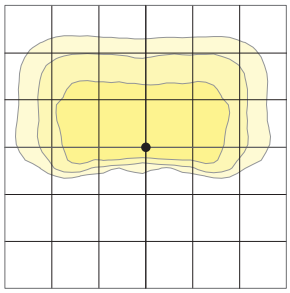
A	B	C	D	E
5.54" (141 mm)	10.16" (258 mm)	6.33" (161 mm)	7.64" (194 mm)	9.10" (231 mm)

DISTRIBUTIONS

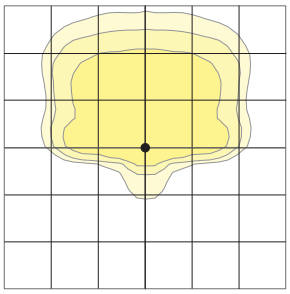
Type 3



Type 4 Wide



Type FT



© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

EXO
OUTDOOR LIGHTING

LNC2
SMALL LED LITEPAK

DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

OUTDOOR LIGHTING CONTROLS OPTIONS

CONTROLS FUNCTIONALITY

	Control Option Ordering Logic & Description		Control Option Functionality									Control Option Components	
			Networkable	Grouping	Scheduling	Occupancy/ Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height		
Independent	BTSO-12F	Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	–	–	–	✓	✓	✓	✓	✓	12ft		BTSMP-OMNI-O

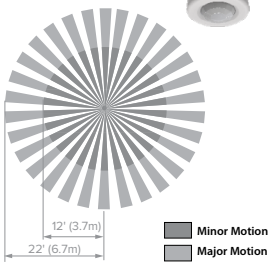
DEFAULT SETTINGS

NX Wireless	**Occupancy Sensor**	Enabled
	Occupancy Sensor Sensitivity	7
	Occupancy Sensor Timeout	15 Minutes
	Occupied Dim Level	100%
	Unoccupied Dim Level	0%
	Daylight Sensor	Disabled
	Bluetooth	Enabled
	2.4GHz Wireless Mesh	On
	"Passcode Factory Passcode: HubbN3T!"	Enabled

Stand Alone	**Occupancy Sensor**	Enabled
	Occupancy Sensor Sensitivity	7
	Occupancy Sensor Timeout	8 Minutes
	Occupied Dim Level	100%
	Unoccupied Dim Level	50%
	Daylight Sensor	Disabled

NX WIRELESS COVERAGE PATTERNS

NXSMP2-OMNI 



NX LIGHTING CONTROLS FREE APP

CONTROLS TECH SUPPORT 800-888-8006 (7:00 AM - 7:00 PM)



The NX Lighting Controls App is free to use mobile application for programming both NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enable luminiares and program NX system settings.

Apple App: https://apps.apple.com/us/app/nx-lighting-controls/id962112904

Google Play: https://play.google.com/store/apps/details?id=io.cordova.NXBTR&hl=en_US&gl=US

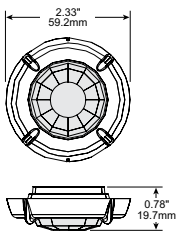
Apple App Google Play

OUTDOOR LIGHTING CONTROLS OPTIONS

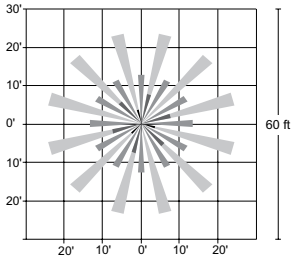
CONTROLS FUNCTIONALITY

	Control Option Ordering Logic & Description		Control Option Functionality									Control Option Components	
			Networkable	Grouping	Scheduling	Occupancy/ Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height		
Independent	SCP_F	Sensor Control Programmable, 8F or 40F	–	–	–	✓	✓	✓	✓	–	8ft or 40ft	SCP_F	

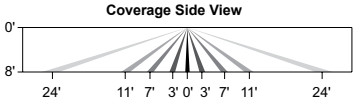
COVERAGE PATTERNS FOR SCP



Coverage Top View @ 12ft.



Coverage Side View



© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

EXO
OUTDOOR LIGHTING

LNC2

SMALL LED LITEPAK

DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

ADDITIONAL INFORMATION

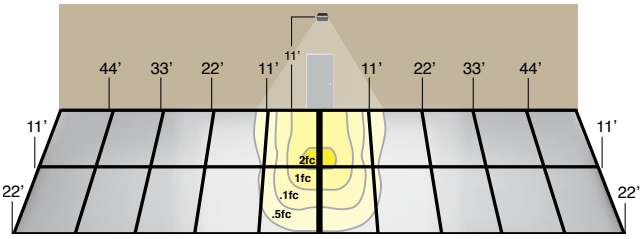
SHIPPING INFORMATION

Catalog Number	G.W(kg)/ CTN	Carton Dimensions		
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)
LNC2	14.3 (6.5)	14.5 (37)	11.4 (29)	8.4 (21.5)

CONTROL TABLE

Control Option	Sensor	Network-able	Scheduling	Occupancy	Daylight Harvesting	On/Off Control	Programming	Pair with Sensor	Sensor Mounting Height
PC	–	–	–	–	–	✔	–	–	–
BTSO12F	BTSMP-OMNI	–	–	✔	✔	with auxilary driver	–	–	12 ft
SCP_F	–	–	–	✔	–	✔	✔	–	–

LNC2 - BATTERY BACK UP



11' Mounting Height

Provides Life Safety Code average illuminance of 1.0 fc. Assumes open space with no obstructions and mounting height of 11'.

Diagrams for illustration purposes only, please consult factory for application layout.

Battery backup units consume 6 watts when charging a dead battery and 2 watts during maintenance charging. EH (units with a heater) consume up to an additional 8 watts when charging if the battery temp is lower than 10°C

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice.
All values are design or typical values when measured under laboratory conditions.

BEACON
design . performance . technology

GEOPAK Series 2

SIZE 2 - TRP2/QSP2/RDI2

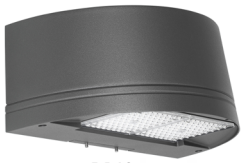
DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

FEATURES

- Mid sized architectural wallpacks in three stylish shapes
- Capable of replacing up to 400w HID luminaires
- Type 2, 3, 4F and 4W distributions for a wide variety of applications
- Integral battery backup options
- Control capabilities offer additional energy savings options
- Zero uplight distributions



TRP2



RDI2



QSP2

SPECIFICATIONS

CONSTRUCTION

- Die-cast aluminum housing and door
- Seven powder coat standard finishes, plus custom color options
- Meets ASTM B117 with 1,000 hours of salt spray exposure

OPTICS

- LEDs deliver up to 15,000 lumens
- Up to 155 lumens per watt (LPW)
- Different lenses offer a variety of distribution patterns - Type 2, 3, 4F & 4W
- CCT: 3000K, 4000K, and 5000K
- CRI: 70 and 80

INSTALLATION

- Quick-mount adapter with gasket seal provides easy installation to wall or to recessed junction box (4" square junction box). Fixture attaches by two Allen-head hidden fasteners for tamper resistance
- Back box accessory available for surface conduit application

ELECTRICAL

- Optional Dual Drivers & Dual Power Feed
- 120-277, 347 and 480 voltage, 50/60Hz
- Power factor > 90%
- THD (Total Harmonic Distortion) <20%

ELECTRICAL (CONTINUED)

- Ambient operating temperature -40°C to 40°C
- Optional: 20kA surge protection device (series); Automatically takes fixture off-line when device is consumed
- Integral Battery Backup provides emergency lighting with 13W of power for the required 90 minutes for path of egress
- Independent dedicated driver and LED array for battery/emergency mode operation

CONTROLS

- Drivers are 0-10V dimming standard
- Universal button photocontrol for dusk to dawn energy savings
- Photocell and occupancy sensor options available for complete on/off and dimming control
- Dual Driver option provides 2 drivers within luminaire but only one set of leads exiting the luminaire, where Dual Power Feed provides two drivers which can be wired independently as two sets of leads are extended from the luminaire. Both options can not be included in one same fixture.

CERTIFICATIONS

- IP65 rated housing
- Zero uplight (U0), dark sky, neighbor friendly
- Drivers IP66 and RoHS compliant
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11). See Buy American Solutions.

WARRANTY

- 5 year limited warranty

KEY DATA	
Lumen Range	3,500–15,000
Wattage Range	24–126
Efficacy Range (LPW)	95–154
Weights lbs. (kg)	16–18 (7.3–8.2)

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

BEACON
design . performance . technology

GEOPAK Series 2

SIZE 2 - TRP2/QSP2/RDI2

DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

ORDERING GUIDE

Example: TRP2–36L-25–3K7–2–UNV–DBT

CATALOG #

ORDERING INFORMATION

Series	
TRP2	Trapezoid
RDI2	Radius
QSP2	Quartersphere

# LEDs - Wattage	
36L-25	4,200 Lumens (Strike)
36L-39	5,700 Lumens (Strike)
36L-55	7,700 Lumens (Strike)
36L-85	10,300 Lumens (Strike)
36L-105	12,300 Lumens (Strike)
36L-120	13,100 Lumens (Strike)
160L-25	3,600 Lumens (Micro Strike)
160L-35	5,500 Lumens (Micro Strike)
160L-50	7,700 Lumens (Micro Strike)
160L-75	9,700 Lumens (Micro Strike)
160L-100	12,000 Lumens (Micro Strike)
160L-115	14,600 Lumens (Micro Strike)

CCT/CRI	
27K8	2700K, 70 CRI
3K7	3000K, 70 CRI
3K8	3000K, 80 CRI
4K7	4000K, 70 CRI
4K8	4000K, 80 CRI
5K7	5000K, 70 CRI
5K8	5000K, 80 CRI

Distribution	
2	TYPE 2
3	TYPE 3
4W	TYPE 4W
4F	TYPE 4 Forward

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

Color	
BLT	Black Matte Textured
BLS	Black Gloss Smooth
DBT	Dark Bronze Matte Textured
DBS	Dark Bronze Gloss Smooth
GTT	Graphite Matte Textured
LGS	Light Grey Gloss Smooth
PSS	Platinum Silver Smooth
WHT	White Matte Textured
WHS	White Gloss Smooth
VGT	Verde Green Textured
Color Option	
CC	Custom Color

Control Options	
PC	Button Photocontrol
NXW	NX Wireless Radio (No Sensor)
NXWS	NX Wireless Sensor w/BT
BTSO	Bluetooth Sensor OMNI
CD	Customer Dimming
Mount Height	
-12F	Up to 12ft mount height

Options	
SF [1]	Single fuse & fuse holder
DF [1]	Double fuse & fuse holder
E [2, 3, 4]	Battery pack (0°C)
EH [2, 3, 4]	Battery pack (-20°C) with heater
2DR [5]	Dual Drivers
2PF [2, 5]	Dual power feeds
SP	Surge Protector

Notes:

1 Must specify voltage

2 Battery option not compatible with 2 power feeds

3 E and EH options available for 160L-25, 160L-35, 160L-50, 36L-25, 36L-39, and 36L-55

4 E and EH available for UNV, 120, 208, 240, 277V

5 Option only available with 36L-85, 36L-105, 36L-120, 160L-75, 160L-100, and 160L-115.

ACCESSORIES (ORDERED SEPARATELY)

	Catalog Number	Description
☐	**WP-BB-DBT**	Backbox with four 1/2" threaded conduit holes painted Dark Bronze Texture

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

BEACON
design . performance . technology

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

GEOPAK Series 2

SIZE 2 - TRP2/QSP2/RDI2

PERFORMANCE DATA (MICRO STRIKE)

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
160L	25	24.4	2	3734	153	1	0	1	3663	150	1	0	1	3557	146	1	0	1
			3	3744	154	1	0	1	3672	151	1	0	1	3565	146	1	0	1
			4F	3721	153	1	0	1	3651	150	1	0	1	3544	145	1	0	1
			4W	3704	152	1	0	1	3633	149	1	0	1	3528	145	1	0	1
	35	37.7	2	5602	149	1	0	2	5495	146	1	0	2	5335	142	1	0	2
			3	5616	149	1	0	2	5509	146	1	0	2	5348	142	1	0	2
			4F	5582	148	1	0	2	5476	145	1	0	2	5316	141	1	0	2
			4W	5556	147	2	0	2	5450	145	1	0	2	5291	140	1	0	2
	50	56.2	2	7880	140	1	0	2	7730	138	1	0	2	7504	134	1	0	2
			3	7899	141	1	0	2	7749	138	1	0	2	7523	134	1	0	2
			4F	7852	140	1	0	2	7703	137	1	0	2	7478	133	1	0	2
			4W	7815	139	1	0	2	7666	136	1	0	2	7443	132	1	0	2
	75	71.9	2	9971	139	2	0	2	9781	136	2	0	2	9496	132	1	0	2
			3	9996	139	2	0	2	9805	136	2	0	2	9520	132	1	0	2
			4F	9936	138	1	0	2	9747	136	2	0	2	9463	132	1	0	2
			4W	9890	138	1	0	2	9701	135	2	0	2	9419	131	1	0	2
	100	95.7	2	12361	129	2	0	2	12126	127	2	0	2	11772	123	2	0	2
			3	12392	129	2	0	2	12156	127	2	0	2	11802	123	2	0	2
			4F	12318	129	2	0	2	12083	126	2	0	2	11731	123	2	0	2
			4W	12260	128	2	0	2	12027	126	2	0	2	11676	122	2	0	2
	115	116.6	2	14990	129	2	0	2	14705	126	2	0	2	14277	122	2	0	2
			3	15088	129	3	0	2	14801	127	3	0	3	14370	123	3	0	3
			4F	14970	128	2	0	3	14685	126	2	0	3	14257	122	2	0	2
			4W	14981	128	2	0	3	14695	126	3	0	3	14267	122	2	0	3

MULTIPLIER (MICRO STRIKE)

Micro Strike Lumen Multiplier			
CCT	70CRI	80CRI	90CRI
2700K	-	0.869	-
3000K	0.945	0.832	0.626
3500K	-	0.900	-
4000K	1.027	0.951	0.718
5000K	1.000	0.937	0.791
Monochromatic Amber Multiplier			
Amber	0.719		

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

GEOPAK Series 2

SIZE 2 - TRP2/QSP2/RDI2

PERFORMANCE DATA (STRIKE)

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
36L	25	32.1	2	4131	130	1	0	1	4208	132	1	0	1	3861	121	1	0	1
			3	4150	130	1	0	2	4227	132	1	0	2	3878	121	1	0	1
			4F	4163	130	1	0	1	4241	132	1	0	1	3891	122	1	0	1
			4W	4156	130	1	0	2	4233	132	1	0	2	3884	121	1	0	2
	39	45.1	2	5618	125	1	0	1	5723	127	1	0	1	5251	116	1	0	1
			3	5644	125	1	0	2	5749	127	1	0	2	5274	117	1	0	2
			4F	5662	126	1	0	2	5768	128	1	0	2	5291	117	1	0	2
			4W	5652	125	1	0	2	5757	128	1	0	2	5282	117	1	0	2
	55	63.1	2	7458	118	1	0	2	7659	121	1	0	2	6970	110	1	0	2
			3	7552	120	1	0	2	7694	122	1	0	2	7058	112	1	0	2
			4F	7577	120	1	0	2	7718	122	1	0	2	7081	112	1	0	2
			4W	7564	120	1	0	3	7705	122	1	0	3	7069	112	1	0	3
	85	88.0	2	10121	115	2	0	2	10311	117	2	0	2	9459	107	2	0	2
			3	10167	116	1	0	3	10357	118	1	0	3	9502	108	1	0	3
			4F	10200	116	1	0	2	10390	118	1	0	2	9532	108	1	0	2
			4W	10182	116	1	0	3	10372	118	1	0	3	9516	108	1	0	3
	105	111.7	2	12022	108	2	0	2	12247	110	2	0	2	11235	101	2	0	2
			3	12075	108	2	0	3	12301	110	2	0	3	11285	101	2	0	3
			4F	12115	108	1	0	3	12341	110	1	0	3	11322	101	1	0	2
			4W	12093	108	2	0	3	12319	110	2	0	3	11302	101	1	0	3
	120	126.2	2	12889	102	2	0	2	13130	104	2	0	2	12046	95	2	0	2
			3	12947	103	2	0	3	13189	105	2	0	3	12100	96	2	0	3
			4F	12989	103	1	0	3	13232	105	1	0	3	12139	96	1	0	3
			4W	12966	103	2	0	3	13208	105	2	0	3	12118	96	1	0	3

MULTIPLIER (STRIKE)

Strike Lumen Multiplier			
CCT	70CRI	80CRI	90CRI
2700K	0.900	0.810	0.62
3000K	0.933	0.853	0.659
3500K	0.959	0.894	0.711
4000K	1.000	0.900	0.732
5000K	1.000	0.900	0.732
Monochromatic Amber Multiplier			
Amber	0.255		

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

GEOPAK Series 2

SIZE 2 - TRP2/QSP2/RDI2

PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	TM-21-11 36,000	50,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.97	0.96	0.95	0.91	408,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.89	356,000

For Microstrike LEDs

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98
50°C	122°F	0.97

Use these factors to determine relative lumen output for average ambient temperatures from 0-40 °C (32-104 °F).

ELECTRICAL DATA

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
160L	25	120	0.20	24.4
		208	0.12	
		240	0.10	
		277	0.09	
		347	0.07	
		480	0.05	
	35	120	0.31	37.7
		208	0.18	
		240	0.16	
		277	0.14	
		347	0.11	
		480	0.08	
	50	120	0.47	56.2
		208	0.27	
		240	0.23	
		277	0.20	
		347	0.16	
		480	0.12	
	75	120	0.60	72.0
		208	0.35	
		240	0.30	
		277	0.26	
		347	0.21	
		480	0.15	
	100	120	0.80	95.7
		208	0.46	
		240	0.40	
		277	0.35	
		347	0.28	
		480	0.20	
	115	120	0.97	116.6
		208	0.56	
		240	0.49	
		277	0.42	
		347	0.34	
		480	0.24	

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
36L	25	120	0.27	32.1
		208	0.15	
		240	0.13	
		277	0.12	
		347	0.09	
		480	0.07	
	39	120	0.38	45.1
		208	0.22	
		240	0.19	
		277	0.16	
		347	0.13	
		480	0.09	
	55	120	0.53	63.1
		208	0.30	
		240	0.26	
		277	0.23	
		347	0.18	
		480	0.13	
	85	120	0.73	88.0
		208	0.42	
		240	0.37	
		277	0.32	
		347	0.25	
		480	0.18	
	105	120	0.93	111.7
		208	0.54	
		240	0.47	
		277	0.40	
		347	0.32	
		480	0.23	
	120	120	1.05	126.2
		208	0.61	
		240	0.53	
		277	0.46	
		347	0.36	
		480	0.26	

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

GEOPAK Series 2

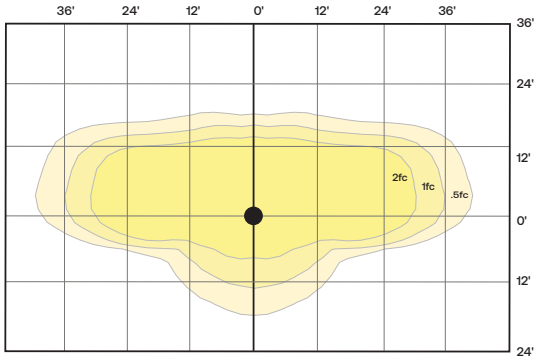
SIZE 2 - TRP2/QSP2/RDI2

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

PHOTOMETRY

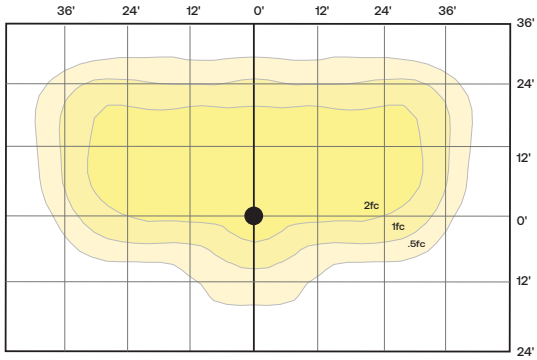
The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

TRP2-50W-4K7-T2



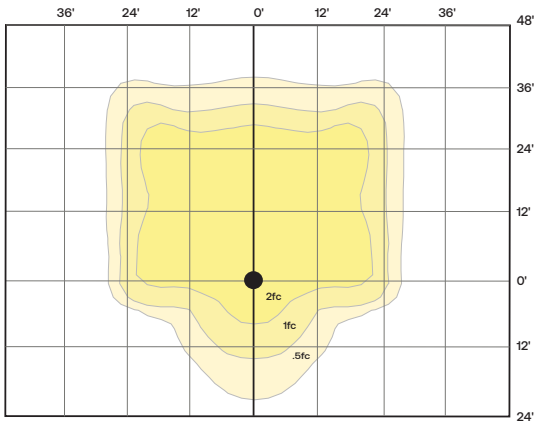
Mounting Height: 12'

TRP2-50W-4K7-T3



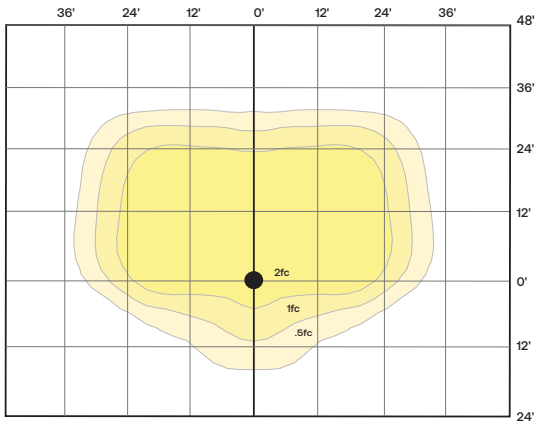
Mounting Height: 12'

TRP2-50W-4K7-T4F



Mounting Height: 12'

TRP2-50W-4K7-T4W



Mounting Height: 12'

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

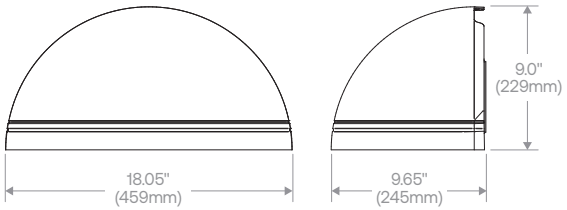
BEACON
design . performance . technology

GEOPAK Series 2

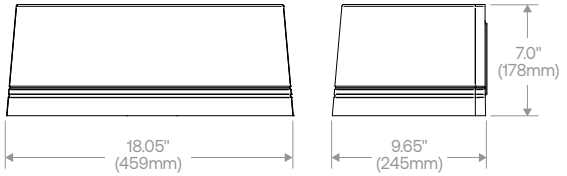
SIZE 2 - TRP2/QSP2/RDI2

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

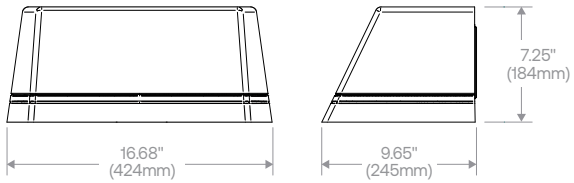
DIMENSIONS



QSP2
Weight:
15 lbs (6.8 kg)



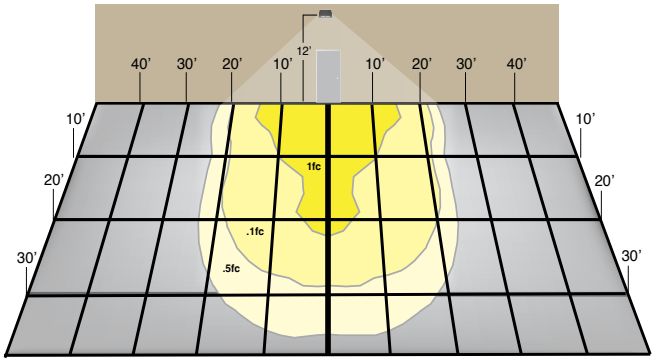
RDI2
Weight:
16 lbs (7.3 kg)



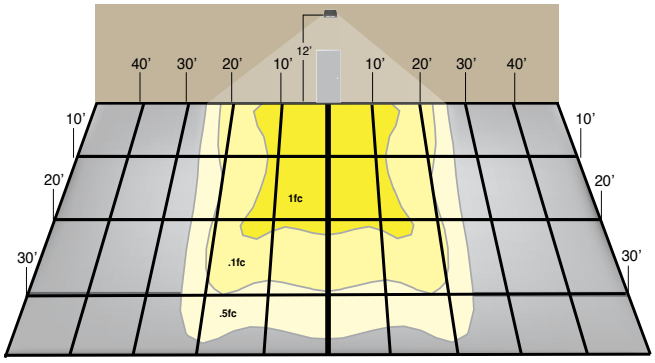
TRP2
Weight:
16 lbs (7.3 kg)

ADDITIONAL INFORMATION

PHOTOMETRICS - BATTERY BACK UP



36L - 12' Mounting Height



160L - 12' Mounting Height

Provides Life Safety Code average illuminance of 1.0 fc. Assumes open space with no obstructions and mounting height of 12'.
Diagrams for illustration purposes only, please consult factory for application layout.

CONTROL OPTIONS



Programmable occupancy sensor offers greater control and energy savings with adjustable delay and dimming levels (Factory default is 10%)

© 2024 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.