

KIMLIGHTING

Pavilion[™]
impact

Current 

Breadth

OF PRODUCT

THE
PAVILION
S20 CRASH RATED
IMPACT BOLLARDS

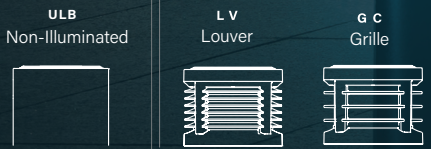
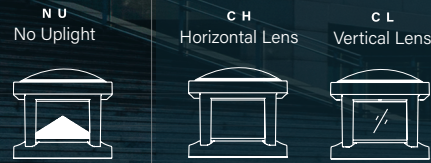
are designed to protect pedestrians and property from the impact of errant or passing vehicles. This is an architectural solution providing safety and security without the look of high security alternatives. The Impact bollard has been tested to the stringent standards set forth by the American Society for Testing and Materials (ASTM). The S20 rating is the standard for parking lot applications.

CROWNED TOP

FLAT TOP

CLEAR LENS

DIFFUSED LENS



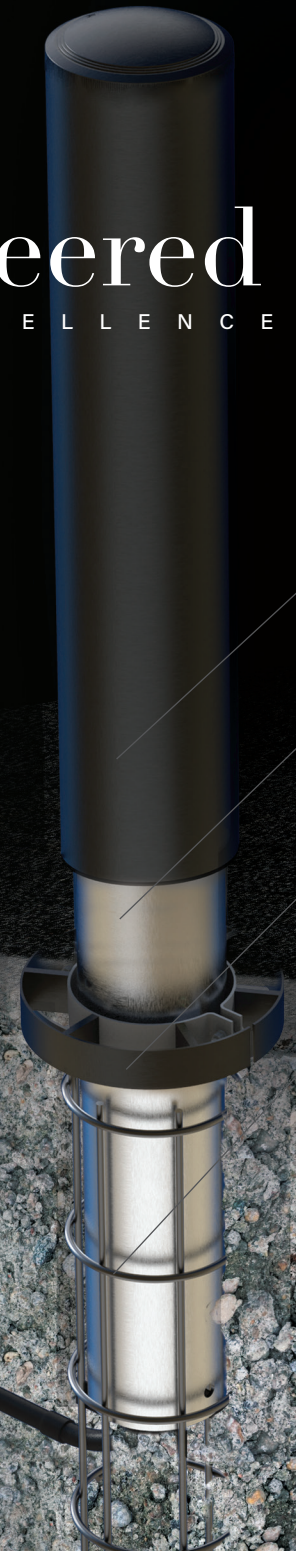
IMPACT RATED

PAVILION

can be configured with louvers, grilles or choice of a clear or a diffused vertical illumination with no glare at normal viewing angles and are optimized to deliver class-leading efficacy.

Engineered

EXCELLENCE



- DECORATIVE PAVILION BOLLARD SLEEVE
- 60" STEEL POST Provides the strength to resist impact
- STRESS BRACKET Centers the post in the hole allowing even distribution of concrete around the post.
- REBAR CAGE Reinforce the concrete

THE PAVILION IMPACT BOLLARD

is being offered in two 44" models: non-illuminated (blind) or illuminated. The illuminated version offers all of the options available with the standard Pavilion: six distributions, seven optical options, crowned or flat top, optional RGBW color ring and control option. A matching 44" standard version is available to match the Impact bollard to blend seamlessly with the rest of the project.

CRASH RATED VS SECURITY

Kim's impact bollard systems are full-scale crash tested by an independent accredited test agency to meet ASTM F3016 and proven safety solutions for stopping a 5,000-lb passenger truck at 10, 20, or 30 mph. These should not be confused with "engineered solutions" where calculations or finite element analyses are performed to estimate the bollard's performance. Full documentation is available showing these bollards have been real-world, dynamically tested to meet the rigorous criteria of ASTM F3016 and will perform as specified.

THE IMPACT BOLLARD

meets the American Society for Testing and Materials (ASTM) S20 rated. The S20 rating from a nominal minimum test velocity of 20 mph with a permissible speed range of 19.0 to 27.4 mph for vehicles weighing up to 5000 pounds. This is the ideal solution for parking lots or walkway applications to protect pedestrians and property from errant vehicle traffic.



Control

OPTIONS

NX LIGHTING CONTROLS

Luminaires enabled with NX wireless radios create an intelligent mesh network with the interior controls. Groups are dimmed via an astronomical time clock and schedules can be updated at any time with the Bluetooth® commissioning app.



MOTION SENSOR

Pavilion's discrete sensor option intelligently detects occupancy for enhanced security, energy savings, and code compliance. Sensor operation reduces power by dimming light levels to 50%. When motion is detected the light level returns to full brightness.

DMX512 / PHAROS®

A new partnership with Pharos® Controls now allows Kim Lighting to offer a full suite of DMX interface controls. See the Pharos® Spec Sheet for more details.



BLUETOOTH® RGBW COLOR CONTROL

Bluetooth® app provides a cost-effective way to set color, add presets, dim the luminaires, or even pull specific colors from a photograph. The RGBW luminous accent option is controlled wirelessly via Current Lighting's Bluetooth® mobile app to cost-effective way to set color, add presets, dim the luminaires, or even pull specific colors from a photograph with Apple and Android devices.

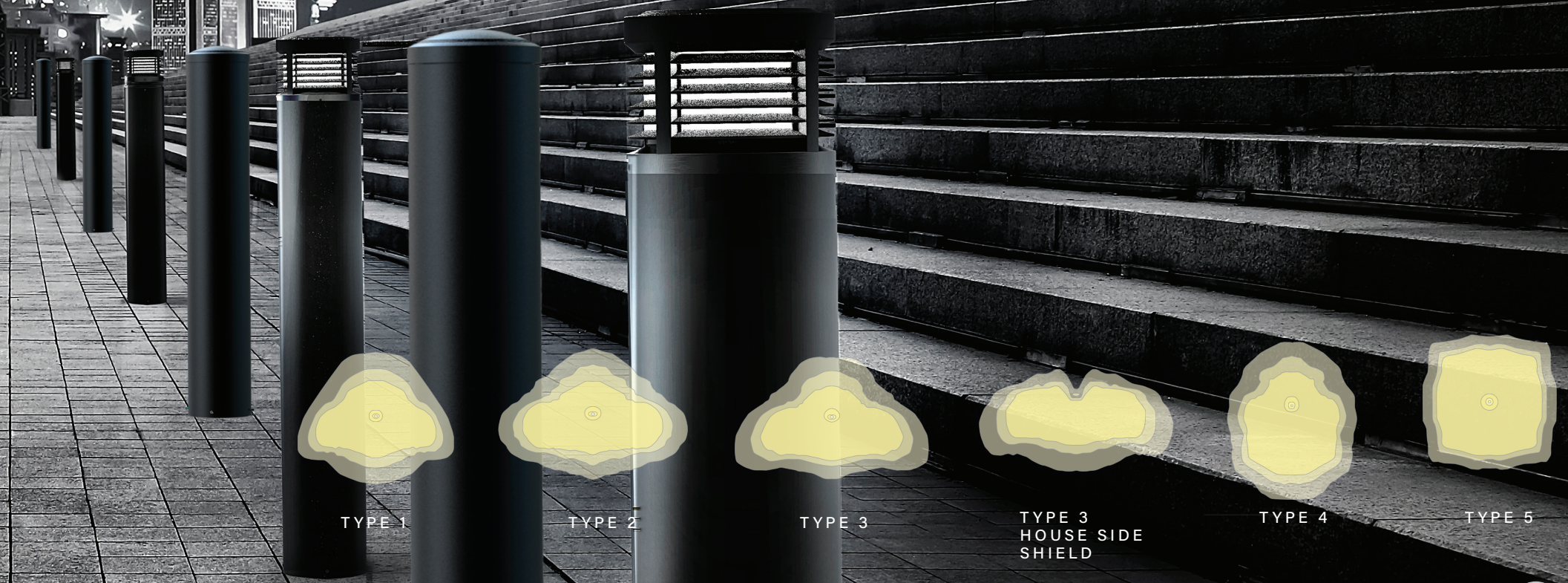


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Distributions

PAVILION is an architectural solution for any project that would like to provide safety to pedestrians and property without the high security look. It can be configured for a wide range of applications: pedestrian walkways, crosswalks, bike paths, parking garages and mall parking lots. Pavilion delivers 5 IES distribution types: I, II, III, III with house side shield, IV, V.



TYPE 1

TYPE 2

TYPE 3

TYPE 3
HOUSE SIDE
SHIELD

TYPE 4

TYPE 5

Ordering

INFORMATION

HOUSING	TOP	OPTICS	DISTRIBUTION	LIGHT ENGINE ¹¹	BODY
PA7R Pavilion 7" Ø Round	FT Flat Top CT Crowned Top ¹	NU No Up-light CH Clear Horizontal Lens CL ² Clear Vertical Lens DL ^{2,3} Diffuse Vertical Lens LV Louvers GC Grille with Clear Vertical Lens GD ³ Grille with Diffuse Vertical Lens ULB ¹⁰ Non-Illuminated Bollard (No distribution, no light engine)	1 Type I 2 Type II 3 Type III 3HS Type III + House side shield 4 Type IV 5 Type V	12L-010-AMB 14W, Monochromatic Amber 12L-010-3K7 14W (1000 nominal lm), 3000K, 70 CRI 12L-010-4K7 14W (1000 nominal lm), 4000K, 70 CRI 12L-010-5K7 14W (1000 nominal lm), 5000K, 70 CRI 12L-010-AMB ⁷ 22W, Monochromatic Amber 12L-020-3K7 22W (2000 nominal lm), 3000K, 70 CRI 12L-020-4K7 22W (2000 nominal lm), 4000K, 70 CRI 12L-020-5K7 22W (2000 nominal lm), 5000K, 70 CRI Consult factory for other CCTs (2700K - 6500K) and CRIs (80, 90 CRI)	44IRB-S20 44" OAH Impact Resistant Base, ASTM F3016 S20 Rated, Aluminum 44IRB-B 44" OAH Impact Resistant Blind Bollard (Non-Illuminated), Aluminum

COLOR	CONTROL OPTIONS	VOLTAGE	OPTIONS
BLS Black Gloss Smooth BLT Black Matte Textured DBS Dark Bronze Gloss Smooth DBT Dark Bronze Matte Textured GTT Graphite Matte Textured 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 CC ⁹ Custom Color	NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor	UNV 120-277V 120 ⁴ 120V 277 ⁴ 277V 347 ⁴ 347V 480 ⁴ 480V	EM ⁵ Battery Backup SF ⁶ Single Fuse DF ⁶ Double Fuse LR ⁹ Luminous Accent

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 Dedicated input voltage, required for MW Motions sensing.
⁵ 0°C min starting temperature, 90+ minute run time, output equivalent to 12L-010-#K7
⁶ SF for 120, 277 and 347 input voltage, DF for 208, 240 and 480 input voltage.
⁷ Wild life friendly
⁸ Consult factory for custom color, marine and corrosive finish options
⁹ Not available in Blind Bollard (Non-Illuminated)
¹⁰ If selecting ULB, must select 44IRB-B and vice versa
¹¹ 5-step MacAdam Ellipse Binning standard. Consult factory for 3-step MacAdam Ellipse Binning.



Current

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All values are design or typical values when measured under laboratory conditions.

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