



BEACON
design . performance . technology



VIPER

VERSATILITY

DESIGN

The new Viper includes scalable Area and Flood designs capable of complementing contemporary or traditional architecture. Additional features such as multiple mounting options, replaceable power doors and an IP65 rating are standard offerings in this exceptionally versatile fixture.

PERFORMANCE

Each product is available with a variety of lumen outputs and distributions to satisfy a wide range of applications. Viper's scalability allows us to customize the output to meet specific design criteria. The precise beam control of the Viper helps reduce energy consumption and light trespass while providing high uniformity and visual acuity.

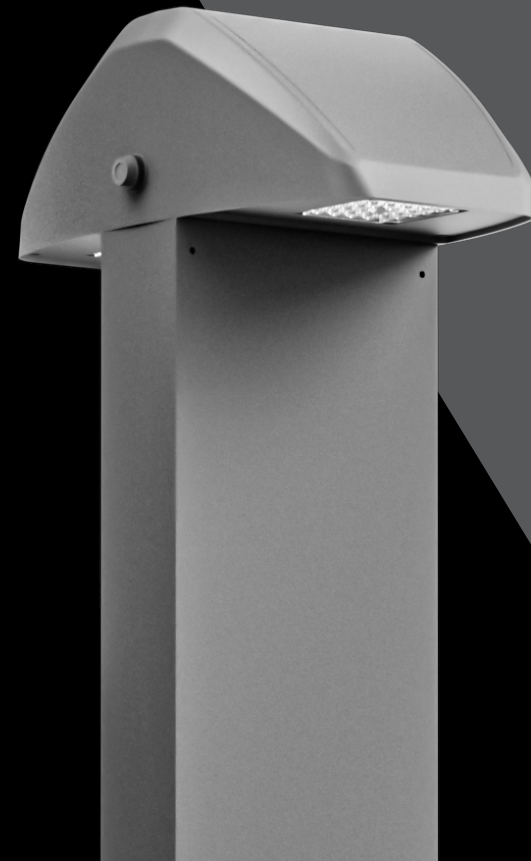
TECHNOLOGY

Simple or dynamic controls are available in every product configuration to give solutions for ever-changing code requirements and additional energy savings.

VIPER WALL



VIPER BOLLARD



VIPER AREA



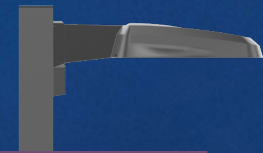
VIPER FLOOD



DESIGN

VIPER

The versatility of the Viper design allows for this fixture to be used in contemporary and traditional applications. With four sizes in both area and flood, the luminaire scales from pedestrian walkways to lighting up the tallest buildings in the skyline.



Viper Area
Size 1 (VP1)
Lumen Range:
5,500-21,000



Viper Area
Size 2 (VP2)
Lumen Range:
21,000-40,000



Viper Area
Size 3 (VP3)
Lumen Range:
40,000-60,000



Viper Area
Size 4 (VP4)
Lumen Range:
60,000-80,000



Viper Flood
Size 1 (VP-F1)
Lumen Range:
5,500-18,000



Viper Flood
Size 2 (VP-F2)
Lumen Range:
18,000-33,000



Viper Flood
Size 3 (VP-F3)
Lumen Range:
36,000-44,000



Viper Flood
Size 4 (VP-F4)
Lumen Range:
48,000-60,000

DESIGN

VIPER

MOUNTING

UNIVERSAL MOUNTING BLOCK

The universal arm mount comes standard with a separate mounting block that is bolted to the pole prior to the fixture for ease of installation. All universal mounting options are compatible with drill patterns from 2.5" to 4.5".

INTERNAL VENTING

The luminaire design incorporates internal fins to improve air flow and thus cool the electrical components and extend the life of the product. All of this is done without compromising the overall form and silhouette of the Viper.

HINGED ACCESS

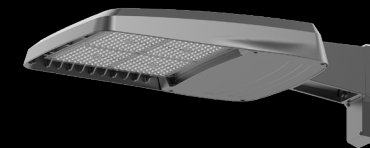
The easily accessible driver compartment houses all electrical components which are mounted to the door for simple replacement if needed. All wiring connections are made with quick disconnects to simplify installation.



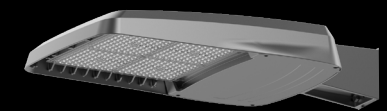
OPTICAL BEZEL

The one-piece square optical bezel allows for in-field rotation of any asymmetric distribution.

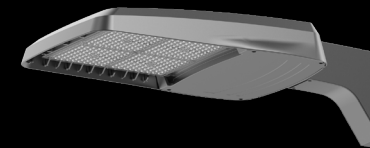
Versatile mounting configurations provide options for every application, simple or decorative, static or rotatable. All mounting options are field interchangeable. Every configuration shown below is available on the Viper Area and rotatable mounting options are available on the Viper Flood.



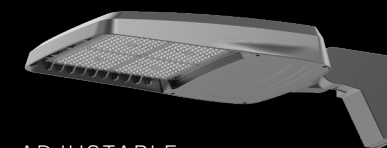
UNIVERSAL ARM MOUNT



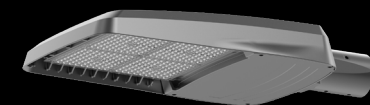
STRAIGHT ARM MOUNT



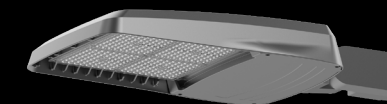
DECORATIVE UPSWEPT ARM



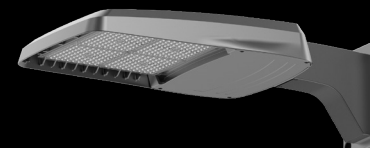
ADJUSTABLE ARM FOR POLE MOUNTING



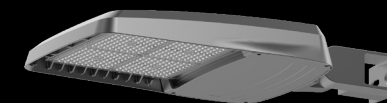
MAST ARM FITTER



KNUCKLE



WALL ARM BRACKET



TRUNNION



1.5G
VIBRATION

IP65



PERFORMANCE

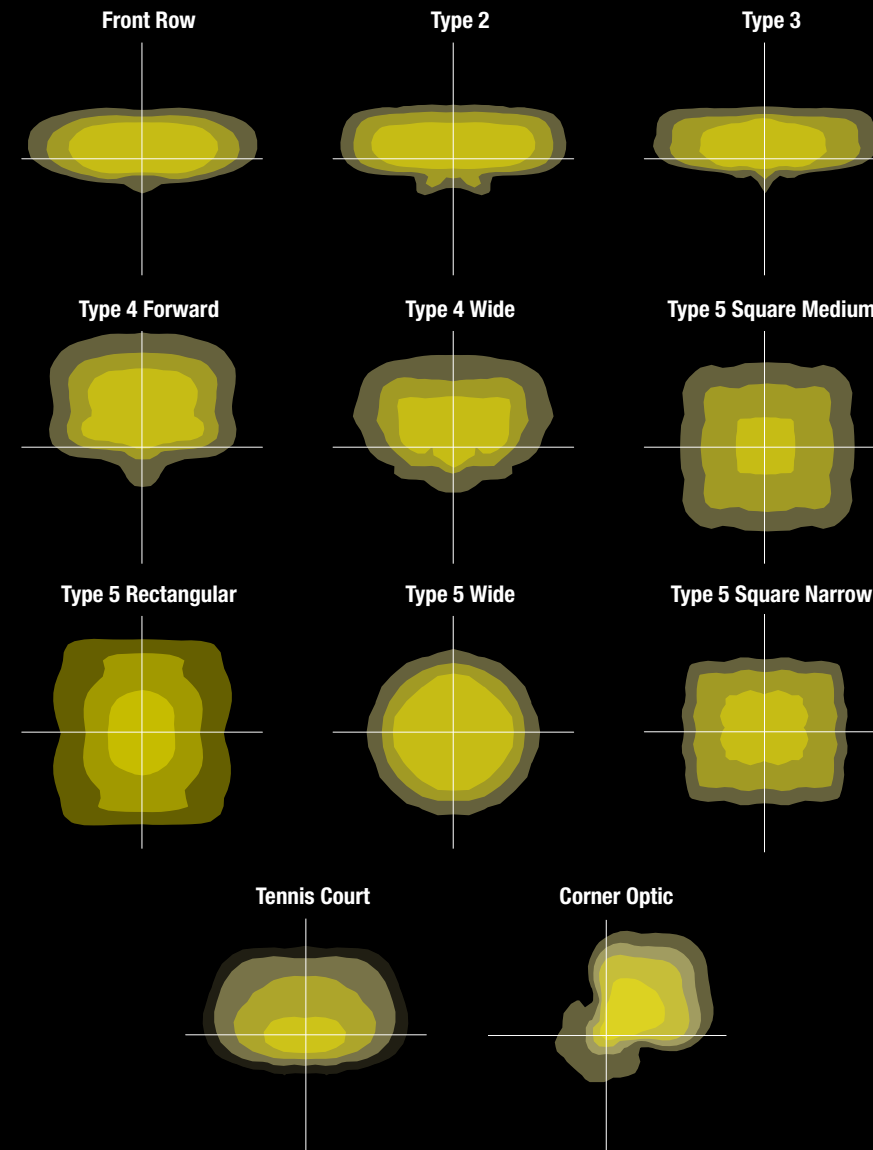
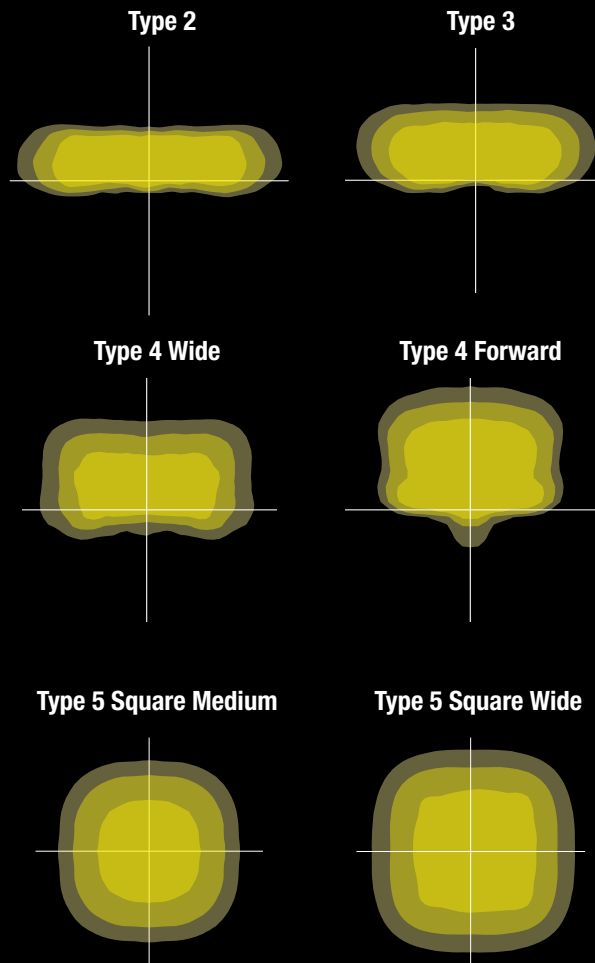
VIPER

AREA MICRO STRIKE OPTICS

Micro Strike optics are one of the optical choices available in the Viper. These optics have been specifically designed to replace HID luminaires with improved uniformity on application. This, combined with the high lumens per watt, makes Micro Strike the perfect choice for the most common applications.

AREA STRIKE OPTICS

Strike optics are another optic choice that allow for maximized pole spacing, minimal backlight and provide specialty distributions for unique application requirements.



BENEFITS

- Key distributions for every day applications
- High efficacy and lumens per watt
- Single piece optic provides more visual comfort
- Phosphor converted amber LED option
- Field rotatable for flexibility in mounting orientations
- Backlight control available to reduce light behind the pole

BENEFITS

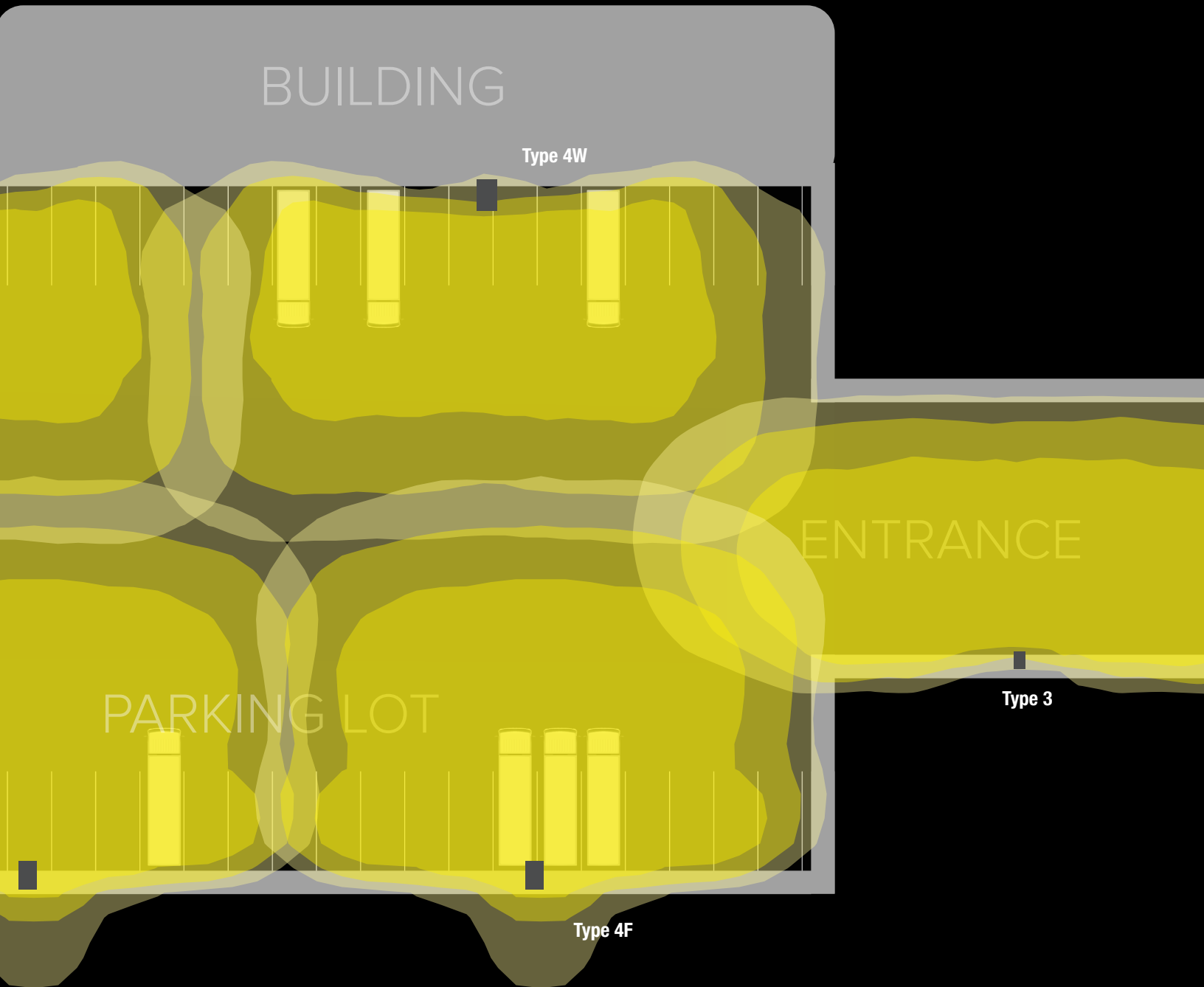
- Specialty Distributions for unique applications or specification requirements
- Maximum Fixture Spacing
- Individual optics provide greater optical control
- True amber LED option
- Field rotatable for flexibility in mounting orientations
- Backlight control available to reduce light behind the pole

MICRO STRIKE

OPTICS STRIKE

PERFORMANCE

AREA MICRO STRIKE OPTICS



VIPER

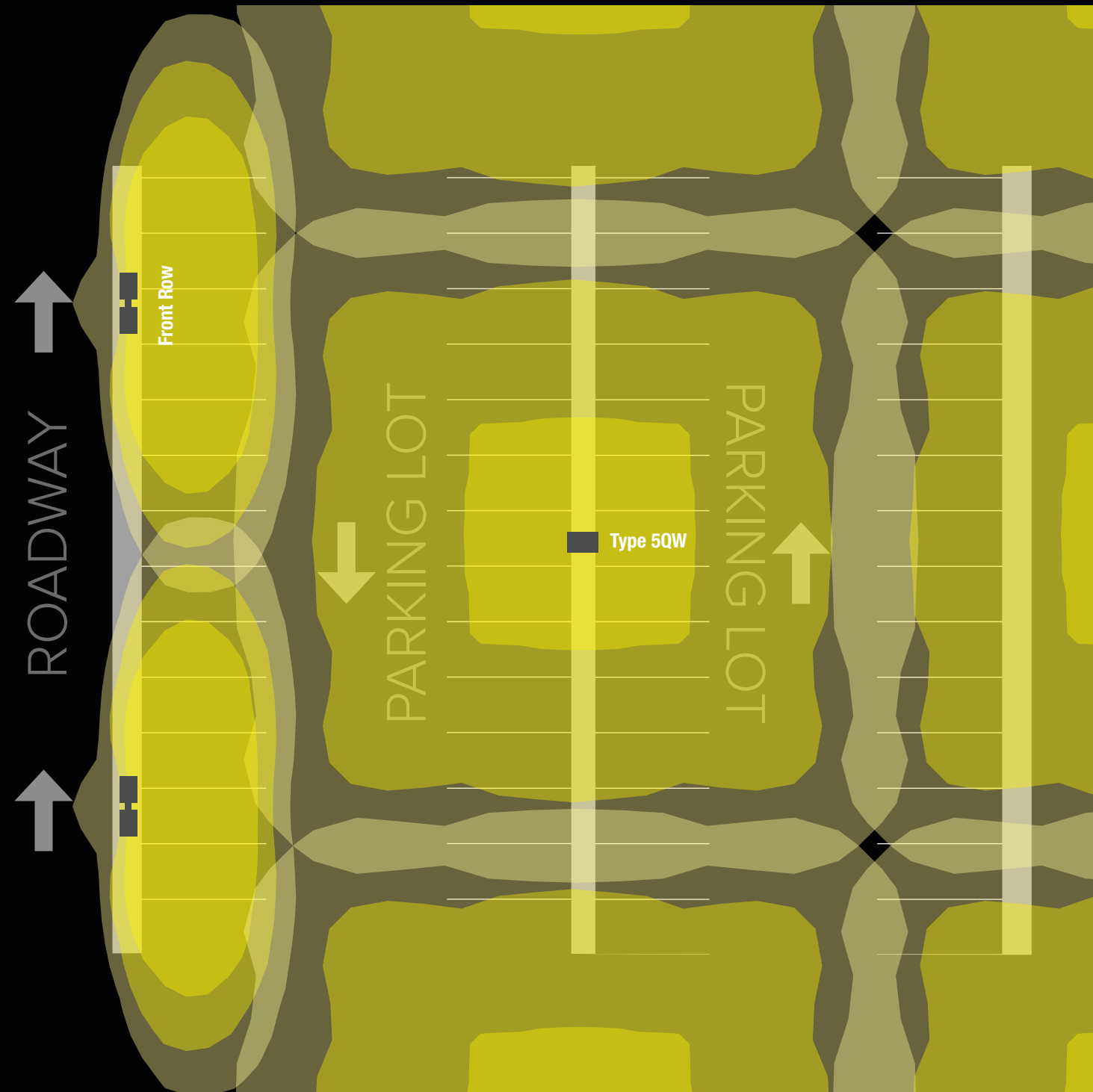


MICRO STRIKE

The Viper's Micro Strike optics provide the most utilized distributions in area lighting applications. The layout shows a distribution center with a Type 3 distribution for the entrance, a Type 4 wide distribution around the building perimeter and a Type 4 Forward Throw to provide sufficient coverage across the lot. Micro Strike optics also provide minimal backlight to enhance street side efficiency and meet target light levels while using less energy.

PERFORMANCE

AREA STRIKE OPTICS



VIPER



OPTICS STRIKE

The Viper's Strike optics provide a large breadth of standard and specialty distributions. The layout shows an auto dealership utilizing the Front Row optic to achieve higher footcandle levels on the first row of vehicles without spilling back light into the roadway. With the rotatable optics, these luminaires can be mounted on either side of the pole and the optics turned towards the lot. Uniformity is also achieved using Type 5 medium distributions through the remainder of the lot. The layout to the left shows two Viper size 2 configurations used per pole but a single Viper size 4 could also be used to achieve the same light levels.

PERFORMANCE

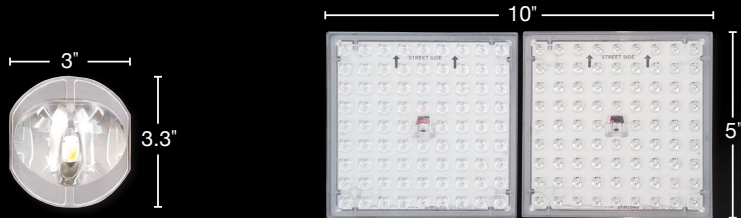
VIPER

VISUAL COMFORT

The Viper's unique optical design combines visual uniformity with the precise distribution of a Total Internal Reflection (TIR) optic. Five times the luminous surface area provides optimal light distribution plus visual comfort.

BACKLIGHT CONTROL

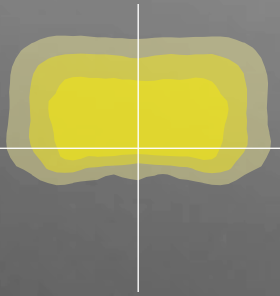
Less than 12% of the light emitted out of Micro Strike and Strike is thrown behind the pole, meaning 88% is utilized on application. That inherently means less energy is wasted on light that is not being used. For even greater backlight control, additional backlight control shields can be used to limit spill down to 5%.



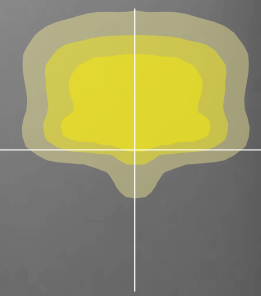
	Competitor Optic (COB)	Micro Strike Optics (TIR)
Approximate Luminous Surface Area	10in ²	50in ²
Approximate Total Lumen Output	10,000	10,000
Lumens per inch ²	1,000	200



TYPICAL AREA/SITE LUMINAIRE
20–30% backlight



VIPER WITH MICRO STRIKE
12% backlight



VIPER WITH STRIKE
9% backlight

PERFORMANCE

VIPER

MICRO STRIKE & STRIKE OPTICS

Both the Micro Strike and Strike optics can also be combined in application to create a blended solution. Use the Micro Strike as the base of the design and sprinkle in the Strike specialty distributions where needed. This gives a unique mix of efficiency and optimized performance. These optics were also designed to have the same appearance when installed so the day-form aesthetic does not need to be sacrificed for optimal performance.



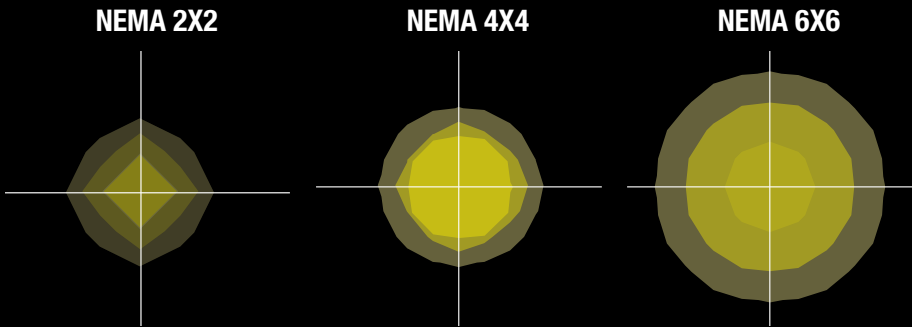
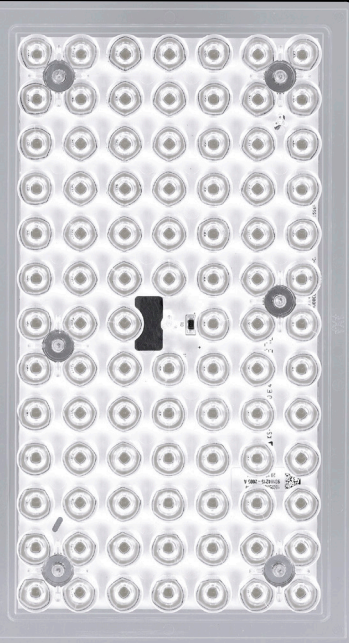
PERFORMANCE

VIPER

FLOOD MICRO STRIKE & STRIKE OPTICS

The Viper Flood also offers Micro Strike and Strike optics to cover a wider variety of application needs using both symmetric and asymmetric distributions. The Viper Flood is also IP65 sealed so it can be aimed in an upward orientation unlike traditional area lights.

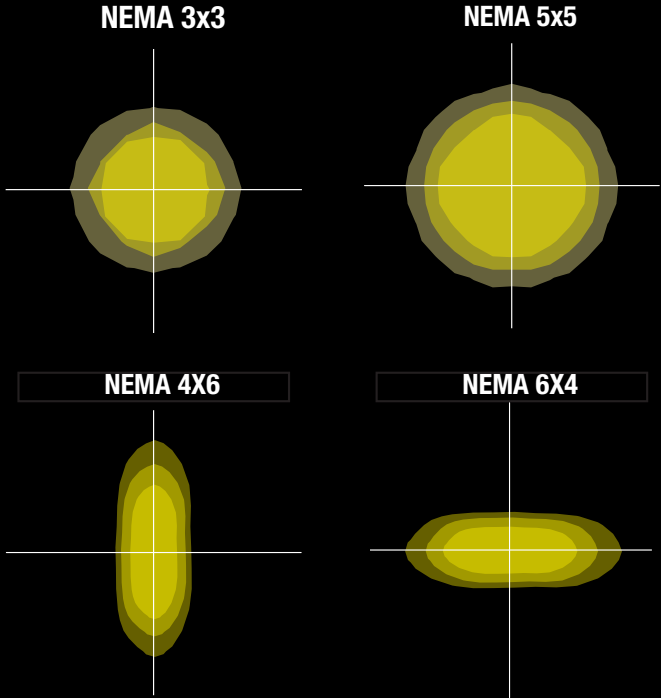
MICRO STRIKE



NEMA 2x2

NEMA 4x4

NEMA 6x6



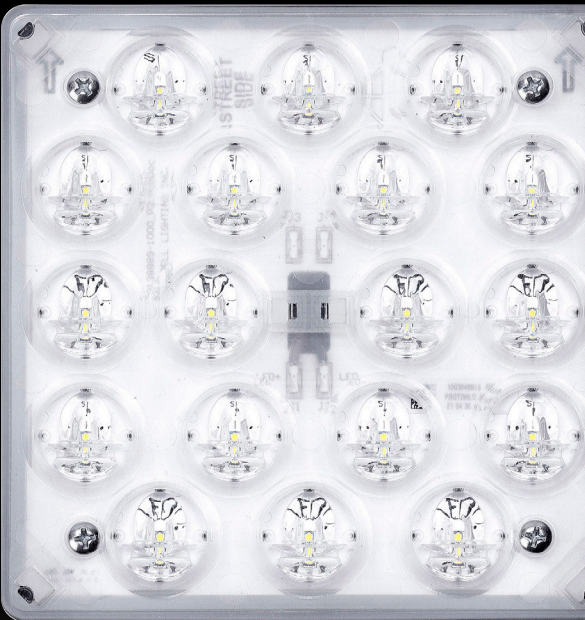
NEMA 3x3

NEMA 5x5

NEMA 4x6

NEMA 6x4

OPTICS STRIKE





A wide array of control options are available in the Viper from stand-alone controls to remote accessible wireless systems that can scale to an entire campus. This technology allows users to choose the solution that will create the most comfortable and safe environment for occupants while still saving energy and complying with ever-changing energy codes.

NX LIGHTING CONTROLS

The NX Lighting Controls platform delivers a seamless lighting control solution. NX is capable of scaling from standalone fixture and room control applications to networked enterprise deployments. NX operates using wired, wireless and hybrid connectivity with native BACnet™ support.

wiSCAPE®

Using the Manage, Monitor and Measure concepts, the wiSCAPE® wireless outdoor lighting control system builds on the energy and maintenance savings of an LED lighting installation by reducing money wasted on “lights out” calls, maintenance crew sweeps, as well as control strategies that exceed today’s code requirements.

Control Option	NX Wireless	NX Wireless with Occupancy	Bluetooth® Occupancy Sensor	AutoDim Scheduling	7-Pin Photocontrol Receptacle	3-Pin Photocontrol Receptacle	wiSCAPE®	wiSCAPE® with Occupancy
Networkable	•	•			•		•	•
Scheduling	•	•		•	•		•	•
Occupancy		•	•		•		•	•
Daylight Harvesting		•	•		•		•	•
On/Off Control	•	•	•	•	•	•	•	•

* Area with occupancy sensor & Flood knuckle with occupancy sensor.

PERFORMANCE

VIPER

Beacon's Viper Family has expanded to include wall products in addition to area and flood luminaires. Complementing contemporary or traditional architecture, the Viper Wall is available in three sizes and a wide range lumen outputs and distributions to satisfy any application.

Viper Wall and Bollard features a dense optical array which provides reduced pixelation and increased visual comfort without compromising performance. It is designed for sustained, long-term performance with advanced thermal management, an elegantly simple heat sink and industry leading surge protection.



WALL

BOLLARD

Size	VPW1	VPW2	VPW3
Lumens	1,000-3,000	2,000-8,500	7,000-20,000
Watts	10-25	15-70	45-155
LPW	100-120	108-133	108-155
CCT	2700K, 3000K, 3500K, 4000K, 5000K, Amber		
Distributions	2, 3, 4F, 4W		
IP Rating	IP65		
Legacy Equivalence	42W-175W	175-250W	175W-400W

INTEGRATED CONTROLS

VIPER

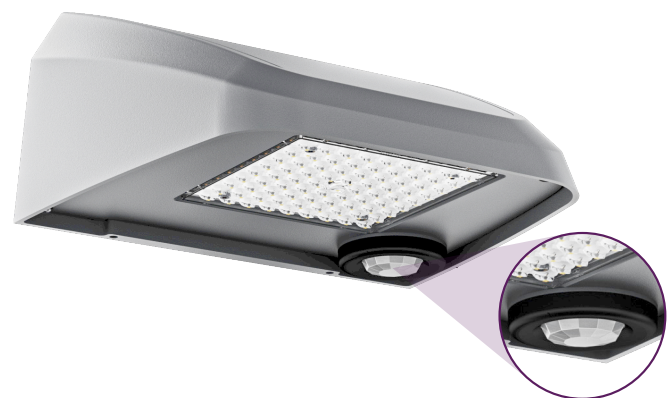
The control solutions outlined below help save energy, extend luminaire life and allow customizable solutions. Sensors control light output based on area utilization and are used for energy savings and local code compliance.



STANDALONE CONTROLS FUNCTIONALITY

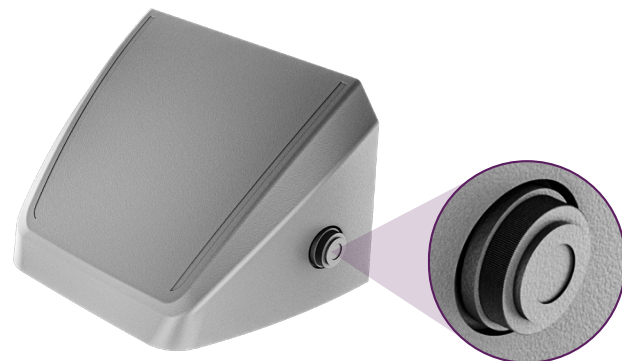
Occupancy Sensor

- Individual fixture control
- Dims product when space is not occupied



Photocontrol

- Individual fixture control
- Turns fixture on when sun sets



INTEGRATED CONTROLS



NX Lighting Controls platform delivers a lighting control solution capable of seamlessly connecting exterior and interior applications.

- Standalone or networked fixture control
- Astronomical time schedules
- BACnet building networking
- Connects with indoor wired, wireless or hybrid networks
- Wireless setup via NX Lighting Controls mobile app
- Occupancy Sensor option dims product when space is not occupied
- Available on Viper VPW2 and VPW3 only



PERFORMANCE

VIPER

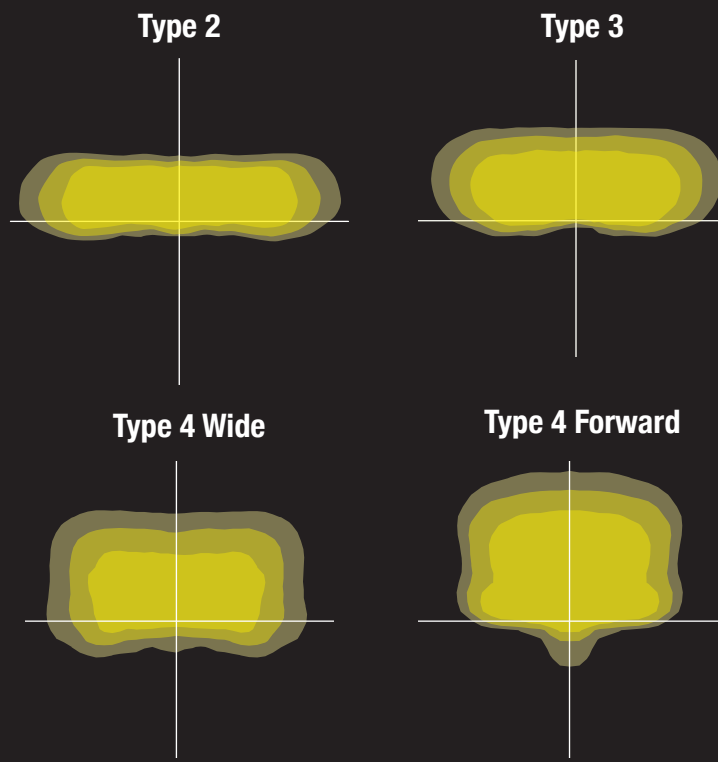
IES comparison

The Viper Wall is available with three distinct distribution patterns to illuminate a variety of applications. Featuring Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass. In the illustration below, the Viper Wall luminaires illuminate the building perimeter and contribute substantial illumination to the parking area and drive lanes adjacent to the building.

MICROSTRIKE

VIPER WALL MICRO STRIKE OPTICS

Micro Strike optics are one of the optical choices available in the Viper. These optics have been specifically designed to replace HID luminaires with improved uniformity on application. This, combined with the high lumens per watt, makes Micro Strike the perfect choice for the most common applications.



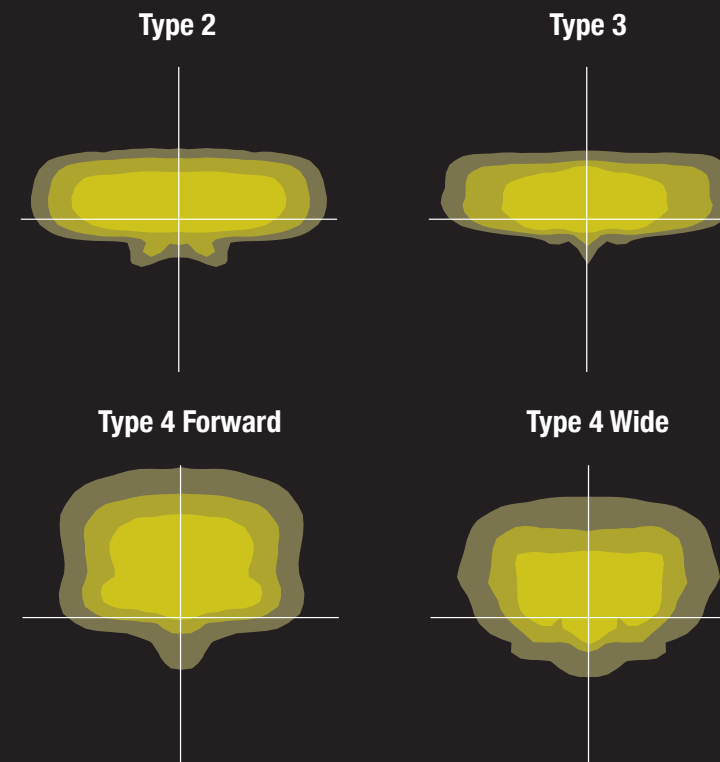
BENEFITS

- Key distributions for every day applications
- High efficacy and lumens per watt
- Single piece optic provides more visual comfort
- Phosphor converted amber LED option
- Backlight control available to reduce light behind the pole

VIPER WALL STRIKE OPTICS

Strike optics are another optic choice that allow for maximized pole spacing, minimal backlight and provide specialty distributions for unique application requirements.

OPTICS STRIKE



BENEFITS

- Specialty Distributions for unique applications or specification requirements
- Maximum Fixture Spacing
- Individual optics provide greater optical control
- True amber LED option
- Backlight control available to reduce light behind the pole

ORDERING GUIDE

AREA MICRO STRIKE OPTICS

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

VP		Optic Platform		Size		Light Engine		CCT/CRI		Distribution		Optic Rotation		Voltage	
Series	Optic Platform	Size	Light Engine	CCT/CRI	Distribution	Optic Rotation	Voltage								
VP Viper	Micro Strike	1 Size 1	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	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 5K9 5000K, 90 CRI	2 Type 2 3 Type 3 4F Type 4 Forward 4W Type 4 Wide 5QM Type 5 Square Medium 5QW Type 5 Square Wide	L Optic rotation left R Optic rotation right	UNV 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V ND No Driver								
		2 Size 2	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												
		3 Size 3	480L-285 40000 lumens 480L-320 44000 lumens 480L-340 48000 lumens 480L-390 52000 lumens 480L-425 55000 lumens 480L-470 60000 lumens												
		4 Size 4	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												

Mounting	Color	Options	Network Control Options
A Arm mount for square pole/flat surface	BLT Black Matte Textured	F Fusing	NXWS16F NX Networked Wireless Enabled Integral NXSM2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,3,4}
A_ Arm mount for round pole ²	BLS Black Gloss Smooth	2PF Dual Power Feed	NXWS40F NX Networked Wireless Enabled Integral NXSM2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,3,4}
ASQU Universal arm mount for square pole	DBT Dark Bronze Matte Textured	2DR Dual Driver	NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor ^{3,4}
A_U Universal arm mount for round pole ²	DBS Dark Bronze Gloss Smooth	TE Tooless Entry	WIR wiSCAPE® In-Fixture Module ^{3,4}
AAU Adjustable arm for pole mounting (universal drill pattern)	GTT Graphite Matte Textured	BC Backlight Control	WIRSC wiSCAPE® Module and Occupancy Sensor ^{3,4}
AA_U Adjustable arm mount for round pole ²	LGS Light Grey Gloss Smooth	TB Terminal Block	Stand Alone Sensors
ADU Decorative upswept Arm (universal drill pattern)	LG T Light Grey Gloss Textured		SCP-8F Remote control programmable line voltage sensor ⁴
AD_U Decorative upswept arm mount for round pole ²	PSS Platinum Silver Smooth		SCP-20F Remote control programmable line voltage sensor ⁴
MAF Mast arm fitter for 2-3/8" OD horizontal arm	WHT White Matte Textured		BTS-14F Bluetooth® Programmable, PIR Occupancy/Daylight Sensor ⁴
K Knuckle	WHS White Gloss Smooth		BTS-40F Bluetooth® Programmable, PIR Occupancy/Daylight Sensor ⁴
T Trunnion	VGT Verde Green Textured		BTSO-12F Bluetooth® Programmable, PIR Occupancy/Daylight Sensor, up to 12' mounting height ⁴
WB Wall Bracket	Color Option		7PR 7-Pin Receptacle ⁴
	CC Custom Color		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
			ADD AutoDim Timer Based Dimming ⁴
			ADT AutoDim Time of Day Dimming ⁴
			Photocontrols
			PC Button Photocontrol ^{4,5}

1 - Items with a grey background can be done as a custom order. Contact brand representative for more information
 2 - Replace "-" with "2" for 2.5"-3.4" OD pole, "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

VIPER

AREA STRIKE OPTICS

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

VP		Optic Platform		Size		Light Engine		CCT/CRI		Distribution		Optic Rotation		Voltage			
Series	Optic Platform	Size	Light Engine	CCT/CRI	Distribution	Optic Rotation	Voltage										
VP Viper	ST Strike	1 Size 1	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	AM Amber 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 5K9 5000K, 90 CRI	FR Auto Front Row 2 Type 2 3 Type 3 3M Type 3 Medium 4F Type 4 Forward 4M Type 4 Medium 4W Type 4 Wide 5QN Type 5 Square Narrow 5QM Type 5 Square Medium 5QW Type 5 Square Wide 5W Type 5 Wide (Round) 5RW Type 5 Rectangular C Corner Optic TC Tennis Court Optic	L Optic rotation left R Optic rotation right	UNV 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V ND No Driver										
		2 Size 2															
		3 Size 3															
		4 Size 4															

Mounting	Color	Options	Network Control Options
A Arm mount for square pole/flat surface	BLT Black Matte Textured	F Fusing	NXWS16F NX Networked Wireless Enabled Integral NXSM2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,4,5}
A_ Arm mount for round pole ³	BLS Black Gloss Smooth	E Battery Backup ^{12,7,8,9}	NXWS40F NX Networked Wireless Enabled Integral NXSM2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,4,5}
ASQU Universal arm mount for square pole	DBT Dark Bronze Matte Textured	2PF Dual Power Feed	NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor ^{4,5}
A_U Universal arm mount for round pole ³	DBS Dark Bronze Gloss Smooth	2DR Dual Driver	WIR wiSCAPE® In-Fixture Module ^{4,5}
AAU Adjustable arm for pole mounting (universal drill pattern)	GTT Graphite Matte Textured	TE Tooless Entry	WIRSC wiSCAPE® Module and Occupancy Sensor ^{4,5}
AA_U Adjustable arm mount for round pole ³	LGS Light Grey Gloss Smooth	BC Backlight Control	Stand Alone Sensors
ADU Decorative upswept Arm (universal drill pattern)	LG T Light Grey Gloss Textured	TB Terminal Block	SCP-8F Remote control programmable line voltage sensor ⁵
AD_U Decorative upswept arm mount for round pole ³	PSS Platinum Silver Smooth		SCP-20F Remote control programmable line voltage sensor ⁵
MAF Mast arm fitter for 2-3/8" OD horizontal arm	WHT White Matte Textured		BTS-14F Bluetooth® Programmable, PIR Occupancy/Daylight Sensor ⁵
K Knuckle	WHS White Gloss Smooth		BTS-40F Bluetooth® Programmable, PIR Occupancy/Daylight Sensor ⁵
T Trunnion	VGT Verde Green Textured		BTSO-12F Bluetooth® Programmable, PIR Occupancy/Daylight Sensor, up to 12' mounting height ⁵
WB Wall Bracket	Color Option		7PR 7-Pin Receptacle ⁵
	CC Custom Color		7PR-SC 7-Pin Receptacle with shorting cap ⁵
			3PR 3-Pin twist lock ⁵
			3PR-SC 3-Pin receptacle with shorting cap ⁵
			3PR-TL 3-Pin PCR with photocontrol ⁵
			Programmed Controls
			ADD AutoDim Timer Based Dimming ⁵
			ADT AutoDim Time of Day Dimming ⁵
			Photocontrols
			PC Button Photocontrol ^{5,6}

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 "2" for 2.5"-3.4" OD pole, "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
 10 - Some voltage restrictions may apply when combined with controls

FLOOD MICRO STRIKE OPTICS

Example: VP-F-2-132L-39-3K8-4x4-UNV-AAU-BLT

CATALOG #						
VP-F	Optic Platform	Size	Light Engine	CCT/CRI	Distribution	Voltage
VP-F Viper Flood	Microstrike	1 Size 1 ⁶	132L-39 5500 lumens 132L-55 7500 lumens 132L-75 10000 lumens 132L-100 12500 lumens 132L-120 15000 lumens 132L-135 18000 lumens	AP AP-Amber Phosphor Converted 27K8 2700K, 80 CRI 3K7 3000K, 70 CRI 3K8 3000K, 80 CRI 35K8 3500K, 80 CRI	2X2 Narrow Spot 4X4 Medium Spot 6X6 Wide Flood	UNV 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V ND No Driver
		2 Size 2	264L-130 18000 lumens 264L-155 21000 lumens 264L-175 24000 lumens 264L-205 27000 lumens 264L-235 30000 lumens 264L-260 33000 lumens 360L-270 36000 lumens 360L-310 40000 lumens 360L-345 44000 lumens	3K9 3000K, 90 CRI 4K7 4000K, 70 CRI 4K8 4000K, 80 CRI 4K9 4000K, 90 CRI 5K7 5000K, 70 CRI 5K8 5000K, 80 CRI 5K9 5000K, 90 CRI		
		3 Size 3	540L-350 48000 lumens 540L-390 52000 lumens 540L-415 55000 lumens 540L-460 60000 lumens ⁷			
		4 Size 4	CLO Custom Lumen Output ¹			

Mounting	Color	Options	Network Control Options
AAU Adjustable Arm	BLT Black Matte Textured	F Fusing	NXWS16F NX Networked Wireless Enabled Integral NXSM2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,3,4,8}
AA_U Adjustable arm mount for round pole ⁹	BLS Black Gloss Smooth	2PF Dual Power Feed ²	NXWS40F NX Networked Wireless Enabled Integral NXSM2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,3,4,8}
K Knuckle	DBT Dark Bronze Matte Textured	2DR Dual Driver	NXW NX Networked Wireless Radio Module NXR2 and Bluetooth Programming, without Sensor ^{3,4,8}
T Trunnion	DBS Dark Bronze Gloss Smooth	TE Tooless Entry	WIR wiSCAPE® In-Fixture Module ^{3,4,8}
	GTT Graphite Matte Textured	BC Backlight Control	Stand Alone Sensors
	LGS Light Grey Gloss Smooth	TB Terminal Block	SCP-8F Remote control programmable line voltage sensor ⁴
	LGT Light Grey Gloss Textured		SCP-20F Remote control programmable line voltage sensor ⁴
	PSS Platinum Silver Smooth		BTS-14F Bluetooth® Programmable, PIR Occupancy/Daylight Sensor ^{4,8}
	WHT White Matte Textured		BTS-40F Bluetooth® Programmable, PIR Occupancy/Daylight Sensor ^{4,8}
	WHS White Gloss Smooth		BTSO-12F Bluetooth® Programmable, PIR Occupancy/Daylight Sensor, up to 12' mounting height ^{4,8}
	VGT Verde Green Textured		Stand Alone Sensors
	LEG Legacy Colors		7PR 7-Pin Receptacle ⁴
	Color Option		7PR-SC 7-Pin Receptacle with shorting cap ⁴
	CC Custom Color		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
			ADD AutoDim Timer Based Dimming ⁴
			ADT AutoDim Time of Day Dimming ⁴
			Photocontrols
			PC Button Photocontrol ^{4,5}

1 – Items with a grey background can be done as a custom order. Contact brand representative for more information
 2 – Not available with trunnion mount
 3 – Networked Controls cannot be combined with other control options and are limited based on mounting orientation
 4 – Not available with 2PF option
 5 – Not available with 480V
 6 – Not available with Dual Driver option

7 – Some voltage restrictions may apply when combined with controls
 8 – Control option not available in 130W or 155W configuration
 9 – Replace “_” with “2” for 2.5”-3.4” OD pole, “3” for 3.5”-4.13” OD pole, “4” for 4.18”-5.25” OD pole, “5” for 5.5”-6.5” OD pole

FLOOD STRIKE OPTICS

Example: VP-F-ST-1-36L-39-3K7-3x3-UNV-AAU-BLT

CATALOG #						
VP-F	Optic Platform	Size	Light Engine	CCT/CRI	Distribution	Voltage
VP-F Viper Flood	ST Strike	1 Size 1	36L-39 ⁷ 5500 lumens 36L-55 ⁷ 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	AM Amber 27K8 2700K, 80 CRI 3K7 3000K, 70 CRI 3K8 3000K, 80 CRI 3K9 3000K, 90 CRI 35K8 3500K, 80 CRI	3X3 Narrow Flood 5X5 Medium Flood 4X6 Vertical Flood 6X4 Horizontal Flood	UNV 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V ND No Driver
		2 Size 2	108L-215 ⁷ 27000 lumens 108L-250 30000 lumens 108L-280 33000 lumens 108L-325 36000 lumens 108L-365 40000 lumens 162L-320 40000 lumens 162L-365 ⁹ 44000 lumens 162L-405 48000 lumens 162L-445 52000 lumens 162L-485 55000 lumens 162L-545 ⁷ 60000 lumens	5K7 5000K, 70 CRI 5K8 5000K, 80 CRI 5K9 5000K, 90 CRI		
		3 Size 3	CLO Custom Lumen Output ¹			
		4 Size 4				

Mounting	Color	Options	Network Control Options
AAU Adjustable Arm	BLT Black Matte Textured	F Fusing	NXWS16F NX Networked Wireless Enabled Integral NXSM2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,3,4}
AA_U Adjustable arm mount for round pole ¹⁰	BLS Black Gloss Smooth	E Battery Backup ^{1,2,6,7,8}	NXWS40F NX Networked Wireless Enabled Integral NXSM2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,3,4}
K Knuckle	DBT Dark Bronze Matte Textured	2PF Dual Power Feed ²	NXW NX Networked Wireless Radio Module NXR2 and Bluetooth Programming, without Sensor ^{3,4}
T Trunnion	DBS Dark Bronze Gloss Smooth	2DR Dual Driver	WIR wiSCAPE® In-Fixture Module ^{3,4}
	GTT Graphite Matte Textured	TE Tooless Entry	Stand Alone Sensors
	LGS Light Grey Gloss Smooth	BC Backlight Control	SCP-8F Remote control programmable line voltage sensor ⁴
	LGT Light Grey Gloss Textured	TB Terminal Block	SCP-20F Remote control programmable line voltage sensor ⁴
	PSS Platinum Silver Smooth		BTS-14F Bluetooth® Programmable, PIR Occupancy/Daylight Sensor ⁴
	WHT White Matte Textured		BTS-40F Bluetooth® Programmable, PIR Occupancy/Daylight Sensor ⁴
	WHS White Gloss Smooth		BTSO-12F Bluetooth® Programmable, PIR Occupancy/Daylight Sensor, up to 12' mounting height ⁴
	VGT Verde Green Textured		Stand Alone Sensors
	LEG Legacy Colors		7PR 7-Pin Receptacle ⁴
	Color Option		7PR-SC 7-Pin Receptacle with shorting cap ⁴
	CC Custom Color		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
			ADD AutoDim Timer Based Dimming ⁴
			ADT AutoDim Time of Day Dimming ⁴
			Photocontrols
			PC Button Photocontrol ^{4,5}

1 – Items with a grey background can be done as a custom order. Contact brand representative for more information
 2 – Not available with trunnion mount
 3 – Networked Controls cannot be combined with other control options and are limited based on mounting orientation
 4 – Not available with 2PF option
 5 – Not available with 480V
 6 – Not available with 347 or 480V

7 – Not available with Dual Driver option
 8 – Only available in Size 1 housing
 9 – Some voltage restrictions may apply when combined with controls
 10 – Replace “_” with “2” for 2.5”-3.4” OD pole, “3” for 3.5”-4.13” OD pole, “4” for 4.18”-5.25” OD pole, “5” for 5.5”-6.5” OD pole

ORDERING GUIDE

WALL STRIKE & MICROSTRIKE OPTICS

Example: VPW1-24L-10-3K7-2-UNV-BLS

Series	# LEDs - Wattage	CCT/CRI	Distribution	Voltage	Color	
VPW1 Viper Wall 1	24L-10	1,000 Lumens	FR Auto Front Row ⁷ 2 IES TYPE 2 3 IES TYPE 3 4F IES TYPE 4 Forward 4W IES TYPE 4W	UNV 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V	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 Matte Textured PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured Color Option CC Custom Color	
	24L-15	2,000 Lumens				
	24L-25	3,000 Lumens				
	VPW2 Viper Wall 2	48L-15				2,000 Lumens
		48L-20				3,000 Lumens
		48L-30				4,000 Lumens
		48L-35				5,000 Lumens
		48L-45				6,000 Lumens
		80L-20				3,000 Lumens
		80L-25				4,000 Lumens
		80L-35				5,000 Lumens
		80L-45				6,000 Lumens
		80L-55				7,000 Lumens
80L-65	8,000 Lumens					
80L-70	8,500 Lumens					
VPW3 Viper Wall 3	18L-25	3,000 Lumens, Strike Optics				
	18L-30	4,000 Lumens, Strike Optics				
	18L-39	4,750 Lumens, Strike Optics				
	18L-50	6,000 Lumens, Strike Optics				
	18L-60	6,500 Lumens, Strike Optics				
	160L-45	7,000 Lumens				
	160L-70	10,000 Lumens				
	160L-95	12,500 Lumens				
	160L-105	15,000 Lumens				
	160L-135	17,500 Lumens				
	160L-155	20,000 Lumens				
	36L-55	7,000 Lumens, Strike Optics				
	36L-80	9,500 Lumens, Strike Optics				
36L-100	11,500 Lumens, Strike Optics					
36L-120	13,000 Lumens, Strike Optics					

Control Options Network ^{3,7,13}	
NXWS12F	NX Networked Wireless Enabled Integral NXSM2-OMNI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ⁴
NXWS16F	NX Networked Wireless Enabled Integral NXSM2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ⁹
NXWS24F	NX Networked Wireless Enabled Integral NXSM2-OMNI-HM PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ⁹
NXWS40F	NX Networked Wireless Enabled Integral NXSM2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ⁹
NXW	NX Networked Wireless Radio Module NXR2 and Bluetooth Programming, without Sensor
WIR	LightGRID+ In-Fixture Module ⁹
WIRSC	LightGRID+ In-Fixture Module with BTS occupancy ⁹
Stand Alone Sensors ^{7,13}	
BTS-14F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor ^{4,9}
BTS-40F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor ^{4,9}
BTSO-12F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor, up to 12' mounting height ⁴
Photocontrol ¹³	
PC	Button Photocontrol 120-277V

Options
F Fusing ^{5,7}
E Battery ^{6,7,8}
EH Battery with Heater ^{6,7,8}
CS Comfort Shield ^{7,9}
SP 10kA Surge Protector
2PF Dual Power Feed ^{2,7,8}
2DR Dual Driver ^{2,7,8}
CD Customer Dimming ²

- Notes:
- 1 Available with Micro Strike Optics only
 - 2 Not available with 480V in Size 1 and Size 2
 - 3 Networked controls cannot be combined with other control options
 - 4 Not available with VPW1 or with 2PF or 2DR options
 - 5 Must specify voltage (VPW1 & VPW2: 120V, 277V or 347V; VPW3: 120V, 208V, 240V, 277V, 347V or 480V)
 - 6 See page 10 for detail Battery configurations
 - 7 Not available in VPW1
 - 8 2PF can't be combined with E or EH; 2DR can't be combined with E or EH in VPW2
 - 9 Not available in VPW1 and VPW2
 - 10 Not available with Micro Strike 24L and 48L. Not available with Strike 18L and 36L
 - 11 Not available with 2PF
 - 12 Not available with Network Control options or Stand Alone Sensors. Can be ordered with PC
 - 13 Not available in 480V in VPW2, Only available in 480V in VPW3 in 80W, 100W, 120W, 135W and 155W
 - 14 NXWS12F and BTSO-12F are the only sensors available in VPW2

VIPER

BOLLARD STRIKE AND MICROSTRIKE OPTICS

Example: VPB-48L-20-4K7-3-UNV-DBT

Series	# LEDs Wattage	CCT/CRI	Distribution	Voltage	Heights
VPB Viper Bollard	24L-10	Single head, 1,000 Lumens; 180-Degree Beam	2 Type 2 3 Type 3 4F Type 4 Front 4W Type 4 Wide	UNV 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V	24 24" High 30 30" High 36 36" High 42 42" High
	24L-15	Single head, 2,000 Lumens; 180-Degree Beam			
	24L-25	Single head, 3,000 Lumens; 180-Degree Beam			
	48L-20	Double head, 2,000 Lumens; 360-Degree Beam			
	48L-30	Double head, 4,000 Lumens; 360-Degree Beam			
	48L-50	Double head, 6,000 Lumens; 360-Degree Beam			
	27K7	2700K, 70 CRI			
	3K7	3000K, 70 CRI			
	4K7	4000K, 70 CRI			
	5K7	5000K, 70 CRI			
3K8	3000K, 80 CRI				
35K8	3500K, 80 CRI				
4K8	4000K, 80 CRI				
5K8	5000K, 80 CRI				
AM	Monochromatic Amber (560m or longer)				

Color	Control Options	Options
BLT Black Matte Textured	PC Button Photocontrol ¹	F Fusing
BLS Black Gloss Smooth		SP 10kA Surge Protector
DBT Dark Bronze Textured		
DBS Dark Bronze Smooth		
GTT Graphite Matte Textured		
LGS Light Grey Gloss Smooth		
LGT Light Grey Matte Textured		
PSS Platinum Silver Smooth		
WHT White Matte Textured		
WHS White Gloss Smooth		
VGT Verde Green Textured		
Color Option		
CC Custom Color		

Lighting Controls – Accessories (Sold Separately)

NX Lighting Controls

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

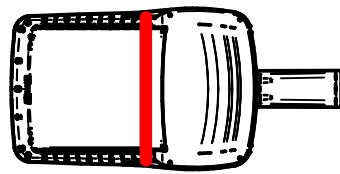
wiSCAPE® Lighting Control

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

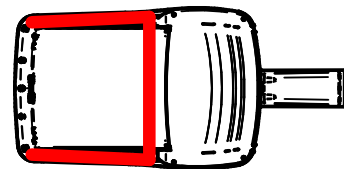
For additional information related to these accessories please our website. Options provided for use with integrated sensor, please view specification sheet ordering information table for details.

HOUSE SIDE SHIELD FIELD INSTALL ACCESSORIES

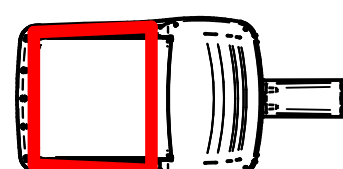
VPR2x HSS-90-B-xx



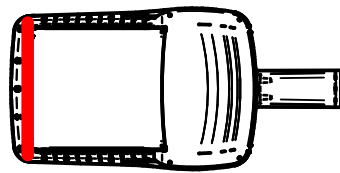
VPR2x HSS-270-BSS-xx



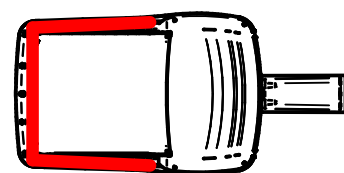
VPR2x HSS-360-xx



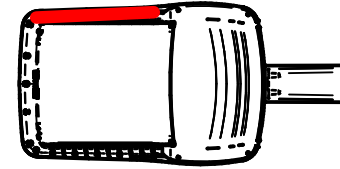
VPR2x HSS-90-F-xx



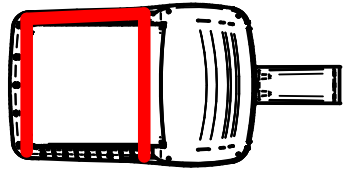
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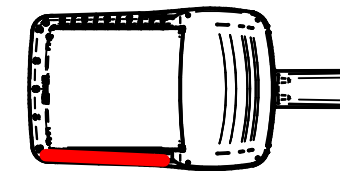
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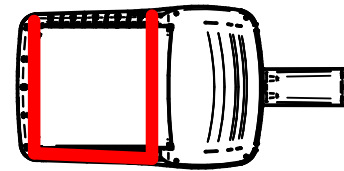
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VPR2x HSS-90-S-xx



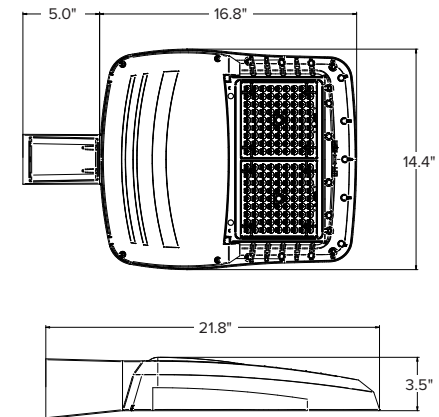
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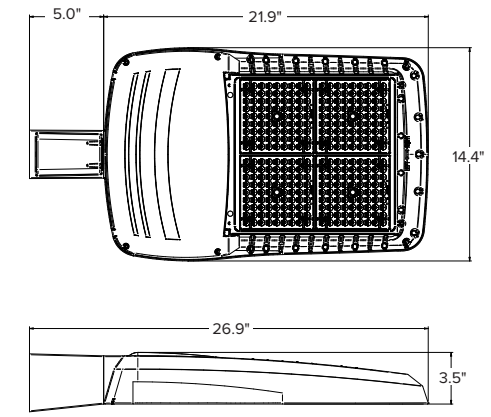
* X in VPR part number can be replaced with Viper Size.

DIMENSIONS

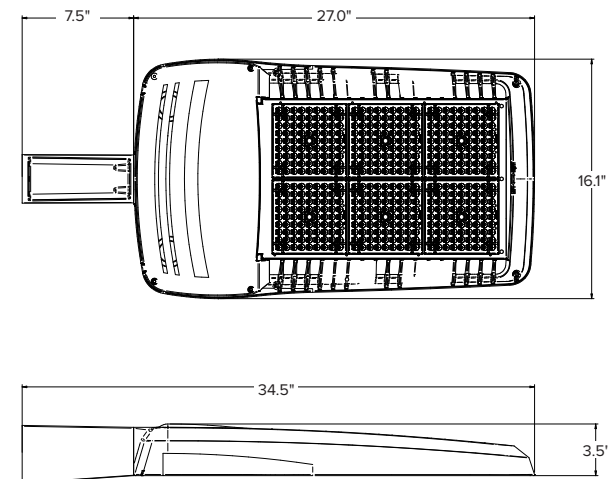
SIZE 1



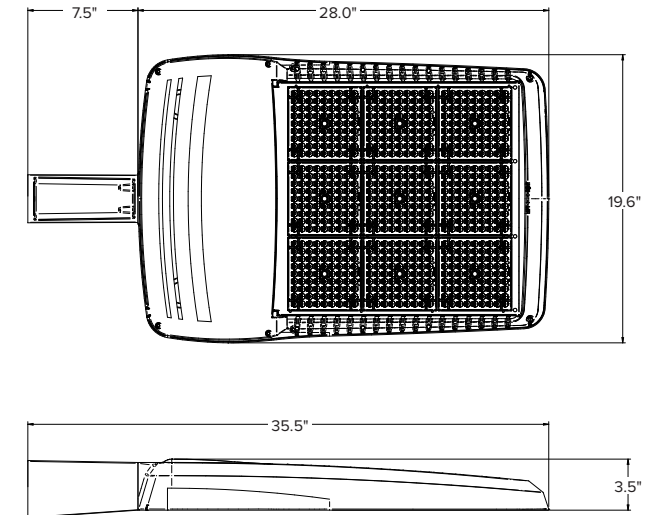
SIZE 2



SIZE 3



SIZE 4



FINISH OPTIONS



BLT – Black Textured
BLS – Black Smooth



PSS – Platinum Silver Smooth



DBT – Dark Bronze Textured
DBS – Dark Bronze Smooth



LGT – Light Gray Textured
LGS – Light Gray Smooth



GTT – Graphite Textured



WHT – White Textured
WHS – White Smooth



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