

VIPER Area/Site

VIPER LUMINAIRE

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 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



CONTROL TECHNOLOGY



SERVICE PROGRAMS



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

- 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 2
- All 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

INSTALLATION (CONTINUED)

- Knuckle arm fitter option available for 2-3/8" OD tenon
- For products with EPA less than 1 mounted to a pole greater than 20ft, a vibration damper is recommended

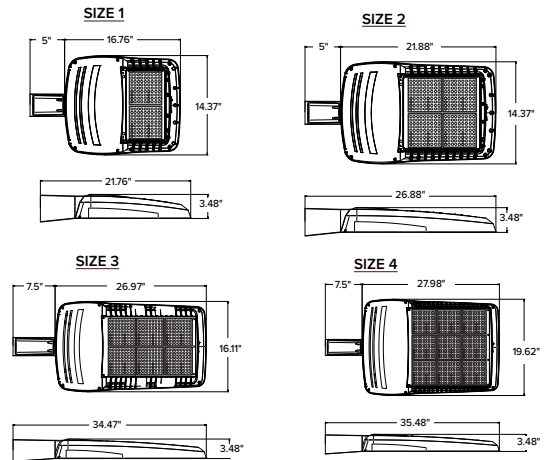
ELECTRICAL

- 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)
- 0-10V Dimming Drivers are standard. Select CD option to have dimming leads extended outside the luminaire. Must specify if wiring leads are to be greater than the 6" standard.

OPTICS
STRIKE



	EPA				Config.
	VP1 (Size 1)	VP2 (Size 2)	VP3 (Size 3)	VP4 (Size 4)	
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	

CONTROLS (CONTINUED)

- 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

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 with Strike optics
- 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>).
- FCC CFR Title 47 Part 15, Class A

WARRANTY

- 5 year warranty



VIPER Area/Site

VIPER LUMINAIRE

DATE:	LOCATION:
TYPE: F5	PROJECT: TOYOTA N. AUSTIN
CATALOG #:	AP-ST-1-36L-120-5K7-5QW-UNV-A-__-WIR

STRIKE OPTIC – ORDERING GUIDE

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

CATALOG # AP-ST-1-36L-120-5K7-5QW-UNV-A-__-WIR

VP	ST	1	36L-120	5K7	5QW	UNV
Series	Optic Platform	Size	Light Engine	CCT/CRI	Distribution	Optic Rotation
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	27K8 2700K, 80 CRI 3K7 3000K, 70 CRI 3K8 3000K, 80 CRI 3K9 3000K, 90 CRI 35K8 3500K, 80 CRI	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	BLANK No Rotation L Optic rotation left R Optic rotation right
		2 Size 2	72L-115 15000 lumens 72L-145 18000 lumens 72L-180 21000 lumens 72L-210 24000 lumens 72L-240 27000 lumens	4K7 4000K, 70 CRI 4K8 4000K, 80 CRI 4K9 4000K, 90 CRI 5K7 5000K, 70 CRI 5K8 5000K, 80 CRI		UNV 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V
		3 Size 3	108L-215 ⁸ 27000 lumens 108L-250 30000 lumens 108L-280 33000 lumens 108L-325 36000 lumens 108L-365 40000 lumens			
		4 Size 4	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			

A	Color	Options	WIR
Mounting			Network Control Options
A Arm mount for square pole/flat surface	BLT Black Matte Textured	F Fusing	NXWS16F NX Networked Wireless Enabled Integral NXSMP2-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 ^{1,2,7,8,9}	NXWS40F NX Networked Wireless Enabled Integral NXSMP2-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 LightGRID+ In-Fixture Module ^{4,5}
AAU Adjustable arm for pole mounting (universal drill pattern)	GTT Graphite Matte Textured	TE Tooless Entry	WIRSC LightGRID+ 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)	LGT Light Grey Gloss Textured	TB Terminal Block	BTS-14F Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
AD_U Decorative upswept arm mount for round pole ³	PSS Platinum Silver Smooth	CD Customer Dimming	BTS-40F Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming® Photocell and 360° Lens
MAF Mast arm fitter for 2-3/8" OD horizontal arm	WHT White Matte Textured		BTSO-12F Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
K Knuckle	WHS White Gloss Smooth		7PR 7-Pin Receptacle ⁴
T Trunnion	VGT Verde Green Textured		7PR-SC 7-Pin Receptacle with shorting cap ⁴
WB Wall Bracket, horizontal tenon with MAF	Color Option		7PR-TL 7-Pin PCR with photocontrol
WM Wall mount bracket with decorative upswept arm	CC Custom Color		3PR 3-Pin twist lock ⁴
WA Wall mount bracket with adjustable arm			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 ¹²
			ADT AutoDim Time of Day Dimming ¹²

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 2.75”-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.

12 – Please refer to page 8 for AutoDim ordering guide

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TYPE: F5	PROJECT: TOYOTA N. AUSTIN
CATALOG #:	AP-ST-1-36L-120-5K7-5QW-UNV-A-__-WIR

ORDERING GUIDE (CONT'D)

CATALOG #

Accessory Type		Size	Option		Color		
SHD	House Side 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		
☐	NXOFM2-1R1D-UNV	On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with NX Radio and Bluetooth® Radio, 120–480VAC
LightGRID+ Lighting Control		
☐	WIR-RME-GSP	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.		

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CATALOG #: AP-ST-1-36L-120-5K7-5QW-UNV-A-__-WIR

OUTDOOR LIGHTING CONTROLS OPTIONS CONTROLS FUNCTIONALITY LIGHTGRID+

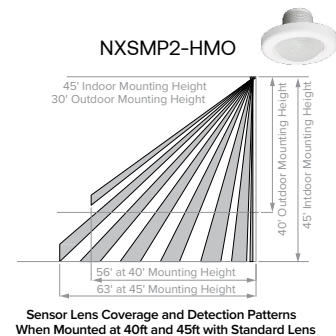
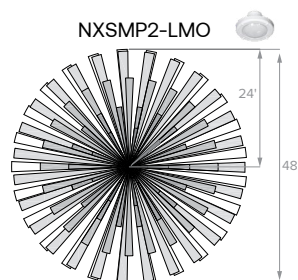
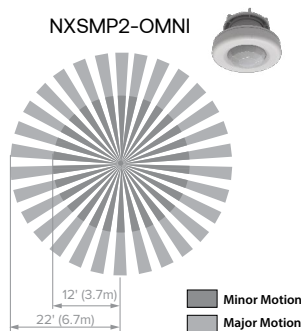
Control Option Ordering Logic & Description		Control Option Functionality									Control Option Components	
		Networkable	Grouping	Scheduling	Occupancy/ Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height		
NX Wireless	NXOFM2-1R1D-UNV	✓	✓	✓	Paired with external control	✓	✓	✓	✓	-		NXOFM-1R1D-UV
	NXW	✓	✓	✓	-	-	✓	✓	✓	-		NXRM2-H
	NXWS12F	✓	✓	✓	✓	✓	✓	✓	✓	12ft		NXSMP2-OMNI-O
	NXWS16F	✓	✓	✓	✓	✓	✓	✓	✓	16ft		NXSMP2-LMO
	NXWS40F	✓	✓	✓	✓	✓	✓	✓	✓	40ft		NXSMP2-HMO
LightGRID+	WIR	✓	-	✓	-	-	✓	✓	Gateway	-		WIR
	WIR-RME-GPS	✓	-	✓	-	-	✓	✓	Gateway	-		WIR-RME-L
	WIRSC	✓	✓	✓	✓	✓	✓	✓	Gateway	14ft - 40ft		BTMSP
Independent	BTSO-12F	-	-	-	✓	✓	✓	✓	✓	12ft		BTSMO-OMNI-O
	BTS-14F	-	-	-	✓	✓	✓	✓	✓	14ft		BTSMO-LMO
	BTS-40F	-	-	-	✓	✓	✓	✓	✓	40ft		BTSMO-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



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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 luminaires 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&q=US



Apple App



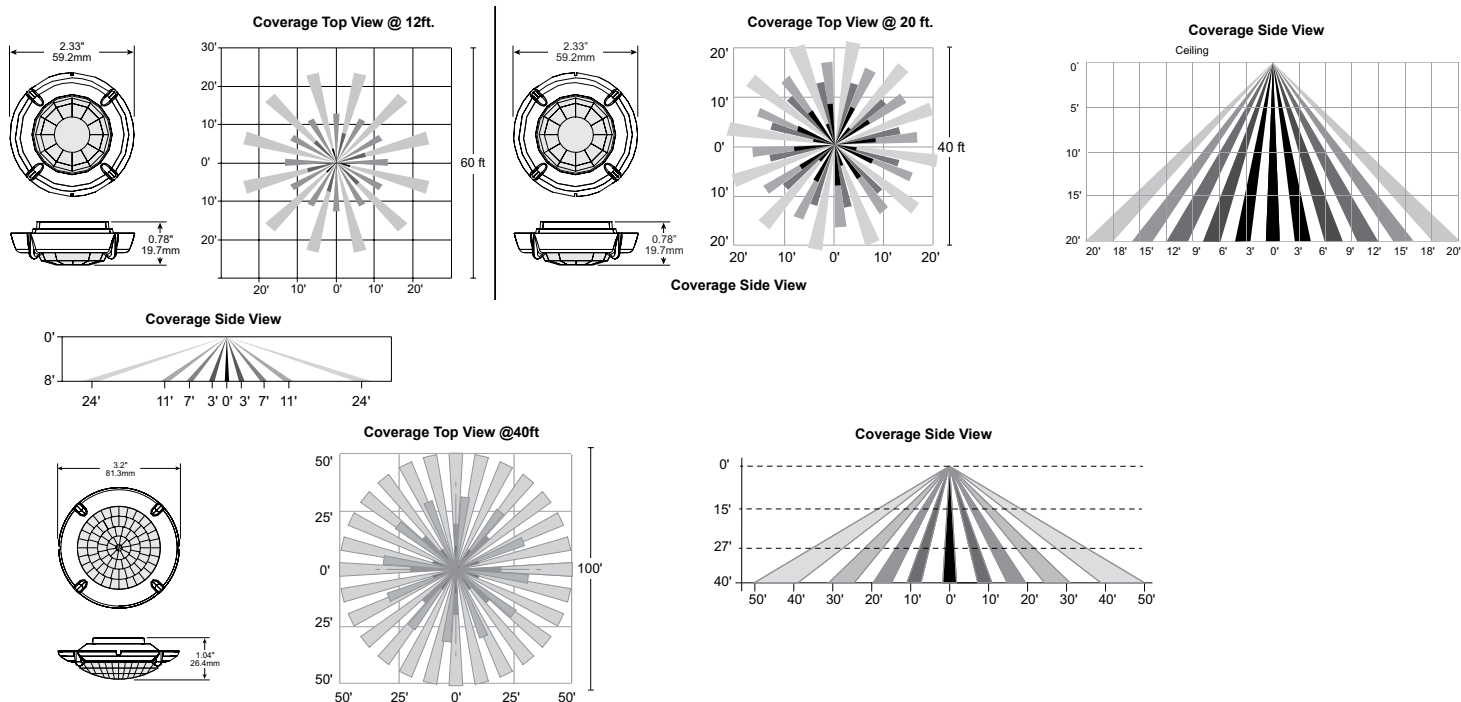
Google Play

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
	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



VIPER Area/Site

VIPER LUMINAIRE

DATE:	LOCATION:
TYPE: F5	PROJECT: TOYOTA N. AUSTIN
CATALOG #: AP-ST-1-36L-120-5K7-5QW-UNV-A-__-WIR	

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

ORDERING GUIDE

Auto Dim Code	Timer Base (ADD) Auto-Dim Options		Auto Dim Cod	Time of Day (ADT) Auto-Dim Options	Code	Auto-Dim Brightness	Code	Auto-Dim Return Options	Code	Auto-Dim Brightness
D1	Delay 1 hour	OR	T0	Delay Midnight	0	100% Brightness	R1	Delay 1 hour or 1 AM	0	100% Brightness
D2	Delay 2 hours		T1	Delay 1 AM	1	10% Brightness	R2	Delay 2 hours or 2 AM	1	10% Brightness
D3	Delay 3 hours		T2	Delay 2 AM	2	20% Brightness	R3	Delay 3 hours or 3 AM	2	20% Brightness
D4	Delay 4 hours		T3	Delay 3 AM	3	30% Brightness	R4	Delay 4 hours or 4 AM	3	30% Brightness
D5	Delay 5 hours		T4	Delay 10 PM	4	40% Brightness	R5	Delay 5 hours or 5 AM	4	40% Brightness
D6	Delay 6 hours		T5	Delay 11 PM	5	50% Brightness	R6	Delay 6 hours or 6 AM	5	50% Brightness
D7	Delay 7 hours		T6	Delay 6 PM	6	60% Brightness	R7	Delay 7 hours or 7 AM	6	60% Brightness
D8	Delay 8 hours		T7	Delay 7 PM	7	70% Brightness	R8	Delay 8 hours or 8 AM	7	70% Brightness
D9	Delay 9 hours		T8	Delay 8 PM	8	80% Brightness	R9	Delay 9 hours or 9 AM	8	80% Brightness
D0	Delay 0 hours		T9	Delay 9 PM	9	90% Brightness	R0	Delay 0 hours or 12 AM	9	90% Brightness

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	Strike Lumen Multiplier			
0°C	32°F	1.03	CCT	70 CRI	80 CRI	90 CRI
10°C	50°F	1.01	2700K	0.9	0.81	0.62
20°C	68°F	1.00	3000K	0.933	0.853	0.659
25°C	77°F	1.00	3500K	0.959	0.894	0.711
30°C	86°F	0.99	4000K	1	0.9	0.732
40°C	104°F	0.98	5000K	1	0.9	0.732
			Monochromatic Amber Multiplier			
			Amber	See Amber Spec Sheet		

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DATE:	LOCATION:
TYPE: F5	PROJECT: TOYOTA N. AUSTIN
CATALOG #:	

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

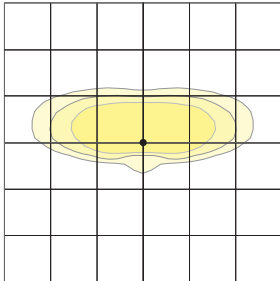
VIPER Area/Site

VIPER LUMINAIRE

OPTIC STRIKE PHOTOMETRY

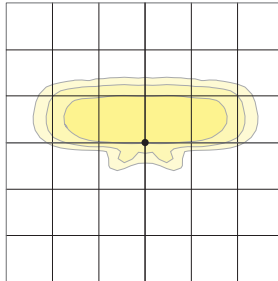
The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

Type FR – Front Row/Auto Optic



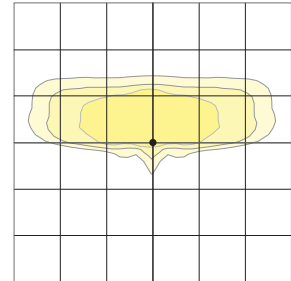
Mounting Height: 20 ft
Scale: 1 inch = 20 ft

Type 2



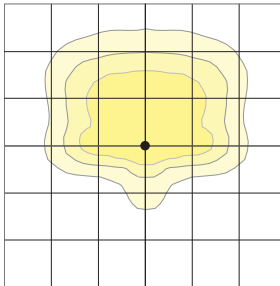
Mounting Height: 20 ft
Scale: 1 inch = 20 ft

Type 3



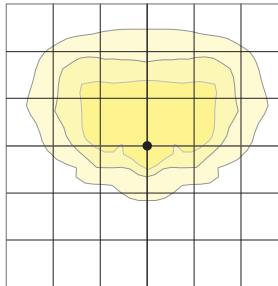
Mounting Height: 20 ft
Scale: 1 inch = 20 ft

Type 4 Forward



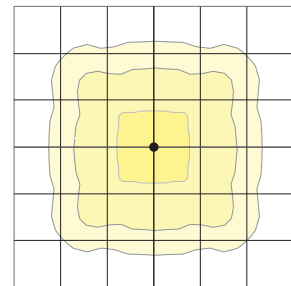
Mounting Height: 20 ft
Scale: 1 inch = 20 ft

Type 4 Wide



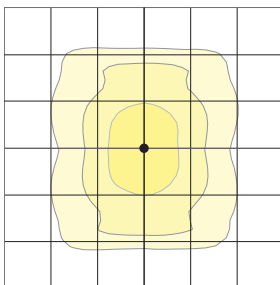
Mounting Height: 20 ft
Scale: 1 inch = 20 ft

Type 5QM



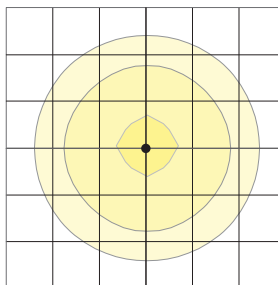
Mounting Height: 20 ft
Scale: 1 inch = 20 ft

Type 5RW (rectangular)



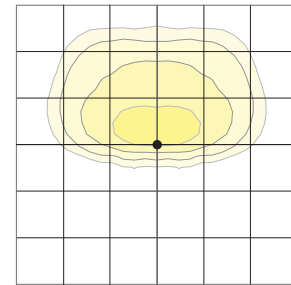
Mounting Height: 20 ft
Scale: 1 inch = 20 ft

Type 5W (round wide)



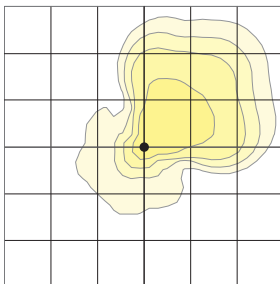
Mounting Height: 20 ft
Scale: 1 inch = 20 ft

Type TC



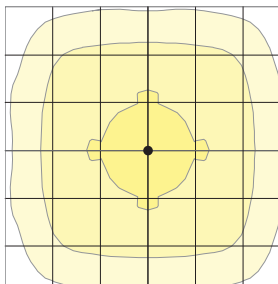
Mounting Height: 20 ft
Scale: 1 inch = 20 ft

Type Corner



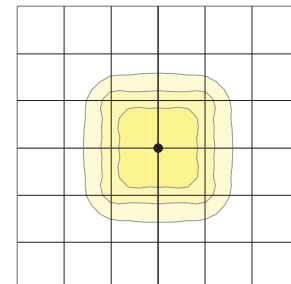
Mounting Height: 20 ft
Scale: 1 inch = 20 ft

Type 5QW



Mounting Height: 20 ft
Scale: 1 inch = 20 ft

Type 5QN

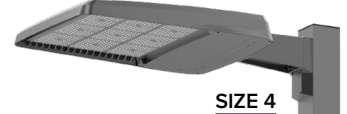


Mounting Height: 20 ft
Scale: 1 inch = 20 ft

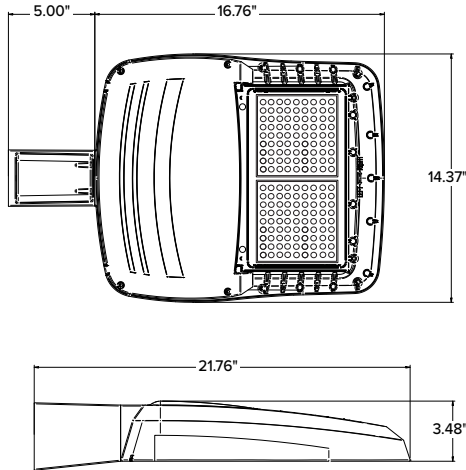
VIPER Area/Site

VIPER LUMINAIRE

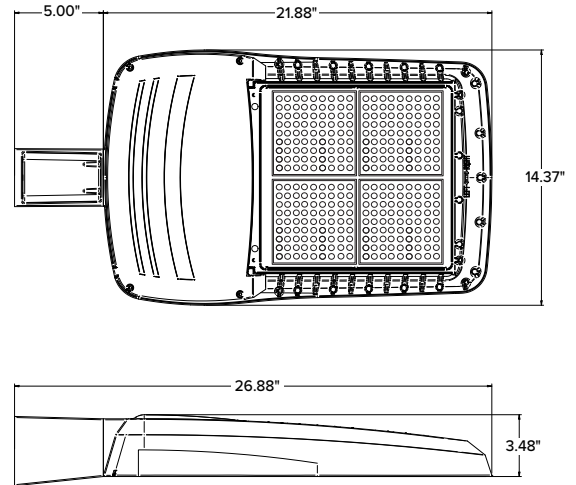
DIMENSIONS



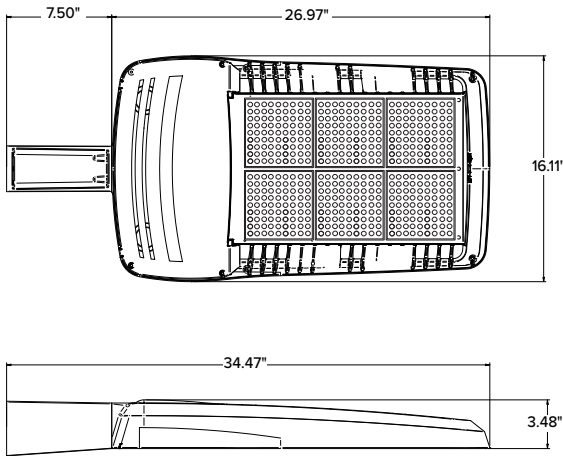
SIZE 1



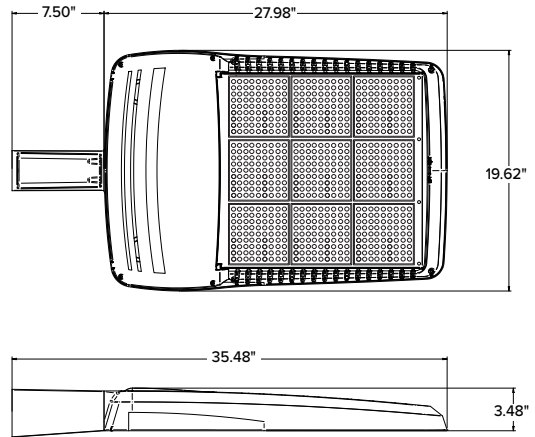
SIZE 2



SIZE 3



SIZE 4



	EPA				Config.
	VP1 (Size 1)	VP2 (Size 2)	VP3 (Size 3)	VP4 (Size 4)	
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	

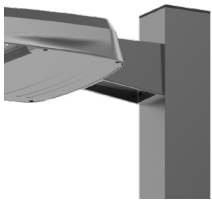
	Weight	
	lbs	kgs
VP1 (Size 1)	13.7	6.2
VP2 (Size 2)	16.0	7.26
VP3 (Size 3)	25.9	11.7
VP4 (Size 4)	30.8	13.9

VIPER Area/Site

VIPER LUMINAIRE

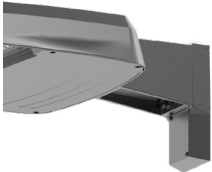
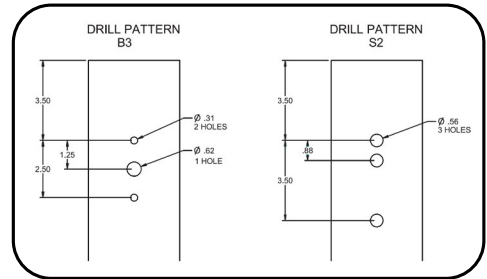
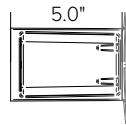
DATE: _____ LOCATION: _____
 TYPE: F5 PROJECT: TOYOTA N. AUSTIN
 CATALOG #: AP-ST-1-36L-120-5K7-5QW-UNV-A-__-WIR

MOUNTING



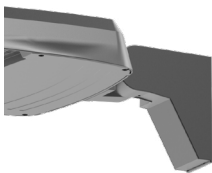
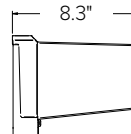
A-STRAIGHT ARM MOUNT

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)



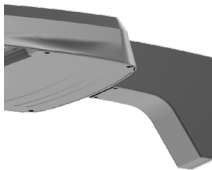
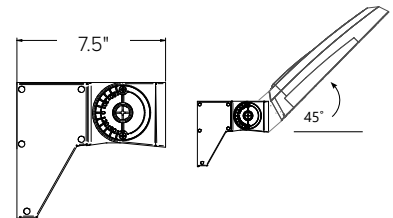
ASQU-UNIVERSAL ARM MOUNT

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)



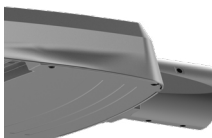
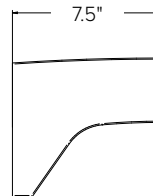
AAU-ADJUSTABLE ARM FOR POLE MOUNTING

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.



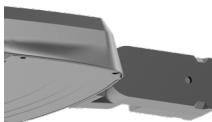
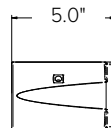
ADU-DECORATIVE UPSWEPT ARM

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).



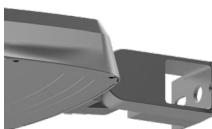
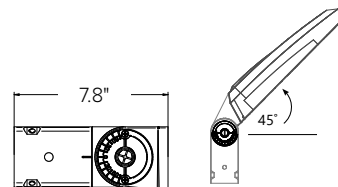
MAF-MAST ARM FITTER

Fits 2-3/8" OD horizontal tenons.



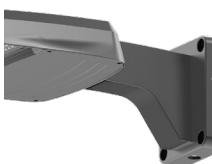
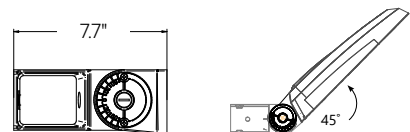
K-KNUCKLE

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.



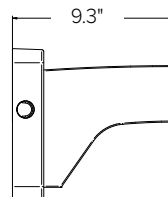
T-TRUNNION

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.



VIPER Area/Site

VIPER LUMINAIRE

DATE:	LOCATION:
TYPE: F5	PROJECT: TOYOTA N. AUSTIN
CATALOG #:	AP-ST-1-36L-120-5K7-5QW-UNV-A-__-WIR

ADDITIONAL INFORMATION (CONTINUED)

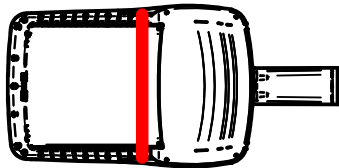
HOUSE SIDE SHIELD FIELD INSTALL ACCESSORIES

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.

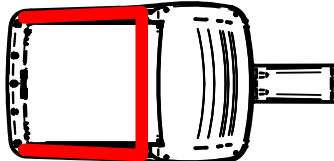


Viper size 3 shown with:
 VP-2-SHLD-HSS-360-XX

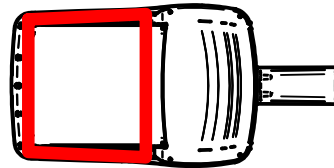
VP-2-SHLD-HSS-90-B-XX



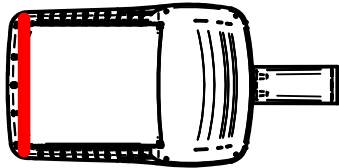
VP-2-SHLD-HSS-270-BSS-XX



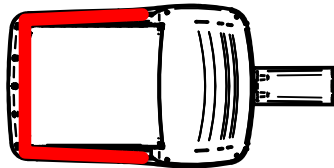
VP-2-SHLD-HSS-360-XX



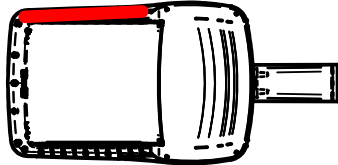
VP-2-SHLD-HSS-90-F-XX



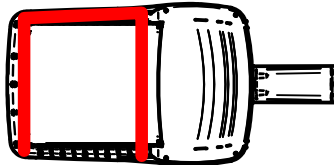
VP-2-SHLD-HSS-270-FSS-XX



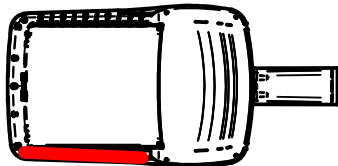
VP-2-SHLD-HSS-90-S-XX



VP-2-SHLD-HSS-270-FSB-XX



VP-2-SHLD-HSS-90-S-XX



VP-2-SHLD-HSS-270-FSB-XX

