

VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

FEATURES

- Low profile LED wall luminaire with a variety of IES distributions for lighting applications such as retail, commercial and industrial building mount
- Featuring Strike and Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues
- Visual Comfort - Option for Size 2 and Size 3
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™, and LightGRID+.
- Battery Backup options available for emergency code compliance
- Quick-mount adapter allows easy installation/maintenance
- 347V and 480V versions for industrial applications and Canada



CONTROL TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Die-cast housing with hidden vertical heat fins that are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish
- Powder paint finish provides durability in outdoor environments. Tested to meet 1000 hour salt spray rating

OPTICS

- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance
- 2700K, 3000K, 3500K, 4000K and 5000K CCTs
- Zero uplight distributions
- LED optics provide IES type II, III and IV distributions.

INSTALLATION

- Quick-mount adapter provides easy installation to wall or to recessed junction boxes (4" square junction box)
- Designed for direct j-box mount.

ELECTRICAL

- 120V-277V universal voltage 50/60Hz 0-10V dimming drivers
- 347V input is available in most wattage, 480V is available for 55W and above.
- Ambient operating temperature -40°C to 40°C
- Driver RoHS and IP66
- 10kV Surge Protector optional
- Drivers have greater than .90 power factor and less than 20% Total Harmonic Distortion
- 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.
- Dimming drivers are standard. Select CD (Customer Dimming) for the dimming wires to be extended outside the fixture.

CONTROLS

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- Button photocontrol is suitable for 120-277V operation
- NX Distributed Intelligence™ available with in fixture wireless control module, features dimming and occupancy sensor

CONTROLS CONTINUED

- Integral Battery Backup provides emergency lighting for the required 90 minute path of egress
- Battery Backup suitable for operating temperatures -20°C to 40°C.
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application.
- LightGRID+ available with in fixture wireless control module, features dimming and occupancy sensor.

CERTIFICATIONS

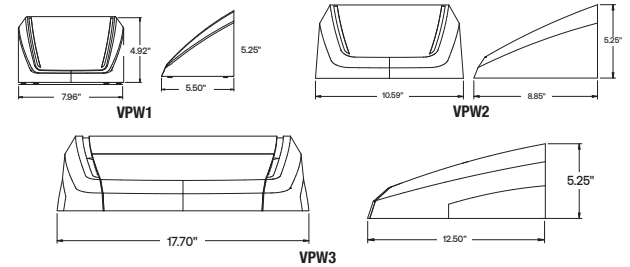
- Certified to UL 1598 and CSA 22.2#250.0-24
- IP65 rated housing
- Emergency battery backup options are California Energy Commission (CEC) Title 20 Compliant
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225- 11). See Buy America(n) Solutions (link to <https://http://www.currentlighting.com/resources/americasolutions>).
- DarkSky approved with 3000K CCT or warmer

WARRANTY

- 5 year limited warranty

DATE:	LOCATION:
TYPE: WP	PROJECT:
CATALOG #:	

MICRO STRIKE | OPTICS STRIKE



	Weight
VPW1	4.1 lbs / 1.86 kg
VPW2	7.15 lbs / 3.24 kg
VPW3	17.1 lbs / 7.80 kg

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ORDERING GUIDE

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

CATALOG #

Series	Optic Platform	Size	# LEDs - Wattage	CCT/CRI	Distribution	Voltage	Color		
VPW Viper Wall	(blank) Microstrike ST Strike	1	24L-10	1,000 Lumens	27K8	2700K, 80 CRI ¹⁶	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	3K7	3000K, 70 CRI ¹⁶			
			24L-25	3,000 Lumens	4K7	4000K, 70 CRI			
			2	48L-15	2,000 Lumens	5K7			5000K, 70 CRI
				48L-20	3,000 Lumens	3K8			3000K, 80 CRI
				48L-30	4,000 Lumens	35K8			3500K, 80 CRI
		48L-35		5,000 Lumens	4K8	4000K, 80 CRI			
		48L-45		6,000 Lumens	5K8	5000K, 80 CRI			
		80L-20		3,000 Lumens	AP	Phosphor Converted Amber ¹			
		3	80L-25	4,000 Lumens	FR Auto Front Row ^{2,15} 2 IES TYPE 2 3 IES TYPE 3 4F IES TYPE 4 Forward 4W IES TYPE 4W	18L-25			3,000 Lumens, Strike Optics
			80L-35	5,000 Lumens		18L-30			4,000 Lumens, Strike Optics
			80L-45	6,000 Lumens		18L-39			4,750 Lumens, Strike Optics
			80L-55	7,000 Lumens		18L-50			6,000 Lumens, Strike Optics
			80L-65	8,000 Lumens		18L-60			6,500 Lumens, Strike Optics
			80L-70	8,500 Lumens		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 ^{3,7,11,13}	
NXWS12F	NX Networked Wireless Enabled Integral NXSM2-OMNI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ¹⁴
NXWS16F	NX Networked Wireless Enabled Integral NXSM2-LMO 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 NXRM2 and Bluetooth Programming, without Sensor
WIR	LightGRID+ In-Fixture Module ⁹
WIRSC	LightGRID+ In-Fixture Module with BTS occupancy ⁹
Stand Alone Sensors ^{7,11,13}	
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 ¹⁴
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 ^{7,10}
SP	10kA Surge Protector
2PF	Dual Power Feed ^{2,7,8,17}
2DR	Dual Driver ^{2,7,8,17}
CD	Customer Dimming ¹²
DTS	Dimming Transfer Switch ⁷

Notes:

- Available with Micro Strike Optics only
- Not available with 480V in Size 1 and Size 2
- Networked controls cannot be combined with other control options
- Not available with VPW1 or with 2PF or 2DR options
- Must specify voltage (VPW1 & VPW2: 120V, 277V or 347V; VPW3: 120V, 208V, 240V, 277V, 347V or 480V)
- See page 10 for detail Battery configurations
- Not available in VPW1
- 2PF can't be combined with E or EH; 2DR can't be combined with E or EH in VPW2
- Not available in VPW1 and VPW2
- Not available with Micro Strike 24L and 48L. Not available with Strike 18L and 36L
- Not available with 2PF
- Not available with Network Control options or Stand Alone Sensors. Can be ordered with PC
- Not available in 480V in VPW2; Only available in 480V in VPW3 in 80W, 100W, 120W, 135W and 155W
- NXWS12F and BTSO-12F are the only sensors available in VPW2
- Available with Strike Optics only (18L or 36L)
- DarkSky approved with 3000K CCT or warmer
- Not available in Size 2 80L

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ACCESSORIES AND REPLACEMENT PARTS - MADE TO ORDER

Catalog Number	Description
<input type="checkbox"/> WP-BB-XXX	Back Box Accessory for conduit entry ¹
<input type="checkbox"/> CS	Comfort Shield ²








Notes:

- replace "xxx" with color option
- Not available with Micro Strike 24L and 48L or Strike 18L and 36L

CONTROLS FUNCTIONALITY

OUTDOOR LIGHTING CONTROLS OPTIONS



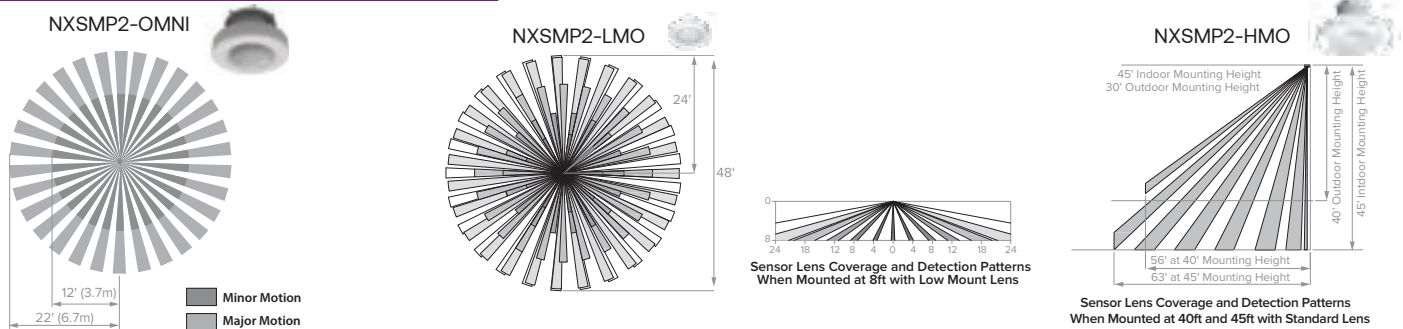
Control Option Ordering Logic & Description	Control Option Functionality										Control Option Components
	Networkable	Grouping	Scheduling	Occupancy/Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height		
NX Wireless NXW NX Networked Wireless Radio Module NXR2 and Bluetooth Programming, without Sensor	✓	✓	✓	-	-	✓	✓	✓	✓	-	 NXRM2-H
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
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	Off
*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	0% (Off)
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&gl=US



Apple App

Google Play

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

PROJECTED LUMEN MAINTENANCE

Ambient Temp.	OPERATING HOURS		
	0	25,000	TM-21-22 60,000
25°C / 77°F	1.00	0.91	0.83
40°C / 104°F	0.99	0.90	0.82

Lumen maintenance values calculated per TM-21 using six times the LM-80 test time for the LED and in-situ thermal testing of the luminaire.

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

MULTIPLIER

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		

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		

PERFORMANCE DATA: MICROSTRIKE

Description	# of LEDs	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
					Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
VPW1	24L	10	6.6	2	1068	141	0	0	0	1068	141	0	0	0	989	131	0	0	0
				3	1076	142	0	0	1	1076	142	0	0	1	997	131	0	0	1
				4F	1052	139	0	0	1	1052	139	0	0	1	974	129	0	0	1
				4W	1041	137	0	0	1	1041	137	0	0	1	964	127	0	0	1
		2	1993	129	1	0	0	1993	129	1	0	0	1845	119	1	0	0		
		3	2008	130	1	0	1	2008	130	1	0	1	1859	120	0	0	1		
	2	3055	125	1	0	1	3055	125	1	0	1	2828	116	1	0	1			
	3	3078	126	1	0	1	3078	126	1	0	1	2850	117	1	0	1			
	4F	3010	123	1	0	1	3010	123	1	0	1	2787	114	1	0	1			
	4W	2978	122	1	0	1	2978	122	1	0	1	2757	113	1	0	1			



DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

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VPW1/VPW2/VPW3 LED WALLPACK

PERFORMANCE DATA: MICROSTRIKE CONT'D

Description	# of LEDs	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
					Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
48L	15	13.1	2	2139	145	1	0	1	2139	145	1	0	1	1981	134	1	0	1	
			3	2163	146	1	0	1	2163	146	1	0	1	2003	135	1	0	1	
			4F	2097	143	0	0	1	2097	143	0	0	1	1942	132	0	0	1	
			4W	2101	143	1	0	1	2101	143	1	0	1	1946	132	0	0	1	
	20	20.5	2	2973	141	1	0	1	2973	141	1	0	1	2753	130	1	0	1	
			3	3007	142	1	0	1	3007	142	1	0	1	2784	132	1	0	1	
			4F	2915	138	1	0	1	2915	138	1	0	1	2699	128	1	0	1	
			4W	2921	138	1	0	1	2921	138	1	0	1	2705	128	1	0	1	
	30	28.8	2	4000	137	1	0	1	4000	137	1	0	1	3704	126	1	0	1	
			3	4045	138	1	0	1	4045	138	1	0	1	3745	128	1	0	1	
			4F	3922	134	1	0	1	3922	134	1	0	1	3631	124	1	0	1	
			4W	3930	134	1	0	2	3930	134	1	0	2	3638	124	1	0	1	
	35	37.3	2	4997	134	1	0	1	4997	134	1	0	1	4627	124	1	0	1	
			3	5053	135	1	0	2	5053	135	1	0	2	4679	125	1	0	1	
			4F	4899	131	1	0	1	4899	131	1	0	1	4536	122	1	0	1	
			4W	4909	132	1	0	2	4909	132	1	0	2	4545	122	1	0	2	
	45	45.9	2	5990	127	1	0	1	5990	127	1	0	1	5546	118	1	0	1	
			3	6057	128	1	0	2	6057	128	1	0	2	5608	119	1	0	2	
			4F	5872	124	1	0	2	5872	124	1	0	2	5437	115	1	0	1	
			4W	5884	125	1	0	2	5884	125	1	0	2	5448	115	1	0	2	
	VPW2	20	19.4	2	3485	161	1	0	1	3485	161	1	0	1	3200	147	1	0	1
				3	3516	162	1	0	1	3516	162	1	0	1	3229	149	1	0	1
				4F	3485	161	1	0	1	3485	161	1	0	1	3200	147	1	0	1
				4W	3535	163	1	0	1	3535	163	1	0	1	3246	150	1	0	1
		25	26.7	2	4443	154	1	0	1	4443	154	1	0	1	4080	141	1	0	1
				3	4483	155	1	0	1	4483	155	1	0	1	4117	142	1	0	1
				4F	4443	154	1	0	1	4443	154	1	0	1	4080	141	1	0	1
				4W	4507	156	1	0	1	4507	156	1	0	1	4139	143	1	0	1
35		34.2	2	5438	147	1	0	1	5438	147	1	0	1	4994	135	1	0	1	
			3	5488	148	1	0	1	5488	148	1	0	1	5039	136	1	0	1	
			4F	5438	147	1	0	1	5438	147	1	0	1	4994	135	1	0	1	
			4W	5516	149	1	0	2	5516	149	1	0	2	5066	137	1	0	1	
45		41.7	2	6369	145	1	0	1	6369	145	1	0	1	5848	133	1	0	1	
			3	6427	146	2	0	2	6427	146	2	0	2	5901	134	1	0	1	
			4F	6369	145	1	0	1	6369	145	1	0	1	5848	133	1	0	1	
			4W	6460	147	1	0	2	6460	147	1	0	2	5933	135	1	0	2	
55		50.6	2	7209	137	2	0	2	7209	137	2	0	2	6620	126	1	0	1	
			3	7275	139	2	0	2	7275	139	2	0	2	6680	127	2	0	2	
			4F	7209	137	1	0	1	7209	137	1	0	1	6620	126	1	0	1	
			4W	7313	139	1	0	2	7313	139	1	0	2	6715	128	1	0	2	
65		58.3	2	7781	130	2	0	2	7781	130	2	0	2	7145	119	2	0	2	
			3	7852	131	2	0	2	7852	131	2	0	2	7210	120	2	0	2	
			4F	7781	130	2	0	1	7781	130	2	0	1	7145	119	1	0	1	
			4W	7893	132	1	0	2	7893	132	1	0	2	7248	121	1	0	2	
70		63.5	2	8367	128	2	0	2	8367	128	2	0	2	7683	117	2	0	2	
			3	8443	129	2	0	2	8443	129	2	0	2	7753	119	2	0	2	
			4F	8367	128	2	0	1	8367	128	2	0	1	7683	117	2	0	1	
			4W	8487	130	1	0	2	8487	130	1	0	2	7794	119	1	0	2	

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PERFORMANCE DATA: MICROSTRIKE CONT'D

Description	# of LEDs	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
					Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
VPW3	160L	45	46.2	2	7623	148	1	0	2	7623	148	1	0	2	7000	136	1	0	1
				3	7626	148	2	0	2	7626	148	2	0	2	7003	136	2	0	2
				4F	7590	147	2	0	1	7590	147	2	0	1	6970	135	1	0	1
				4W	7715	150	1	0	2	7715	150	1	0	2	7084	138	1	0	2
		70	68.3	2	10322	139	2	0	2	10322	139	2	0	2	9478	128	2	0	2
				3	10326	140	2	0	2	10326	140	2	0	2	9482	128	2	0	2
				4F	10277	139	2	0	2	10277	139	2	0	2	9437	128	2	0	2
				4W	10446	141	2	0	2	10446	141	2	0	2	9592	130	1	0	2
		95	91	2	12929	132	2	0	2	12929	132	2	0	2	11872	121	2	0	2
				3	12934	132	3	0	3	12934	132	3	0	3	11877	121	3	0	3
				4F	12873	131	2	0	2	12873	131	2	0	2	11821	120	2	0	2
				4W	13084	133	2	0	3	13084	133	2	0	3	12015	122	2	0	3
		105	106.3	2	15055	138	2	0	2	15055	138	2	0	2	13825	127	2	0	2
				3	15062	138	3	0	3	15062	138	3	0	3	13831	127	3	0	3
				4F	14991	138	2	0	2	14991	138	2	0	2	13766	127	2	0	2
				4W	15236	140	2	0	3	15236	140	2	0	3	13991	129	2	0	3
		135	134.8	2	17533	127	3	0	3	17533	127	3	0	3	16100	116	3	0	3
				3	17541	127	3	0	3	17541	127	3	0	3	16107	116	3	0	3
				4F	17457	126	2	0	2	17457	126	2	0	2	16031	116	2	0	2
				4W	17744	128	2	0	4	17744	128	2	0	4	16294	118	2	0	3
155	158.3	2	20066	123	3	0	3	20066	123	3	0	3	18426	113	3	0	3		
		3	20075	123	3	0	3	20075	123	3	0	3	18434	113	3	0	3		
		4F	19980	123	3	0	3	19980	123	3	0	3	18347	113	2	0	2		
		4W	20307	125	2	0	4	20307	125	2	0	4	18648	115	2	0	4		

PERFORMANCE DATA: STRIKE

Description	# of LEDs	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
					Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
VPW2	18L	25	22.6	2	3314	147	1	0	1	3298	146	1	0	G1	3171	140	1	0	1
				3	3356	148	1	0	1	3340	148	1	0	G1	3212	142	1	0	1
				4F	3367	149	0	0	1	3351	148	0	0	G1	3222	143	0	0	1
				4W	3361	149	1	0	2	3345	148	1	0	G2	3216	142	1	0	2
		30	31.3	2	4124	132	1	0	1	4104	131	1	0	G1	3946	126	1	0	1
				3	4176	133	1	0	2	4156	133	1	0	G2	3996	128	1	0	1
				4F	4189	134	1	0	1	4169	133	1	0	G1	4009	128	1	0	1
				4W	4182	134	1	0	2	4162	133	1	0	G2	4002	128	1	0	2
		39	38.8	2	4894	126	1	0	1	4870	126	1	0	G1	4683	121	1	0	1
				3	4956	128	1	0	2	4932	127	1	0	G2	4742	122	1	0	2
				4F	4972	128	1	0	2	4948	128	1	0	G2	4758	123	1	0	2
				4W	4963	128	1	0	2	4939	127	1	0	G2	4749	122	1	0	2
		50	52.6	2	6325	120	1	0	1	6295	120	1	0	G1	6052	115	1	0	1
				3	6405	122	1	0	2	6374	121	1	0	G2	6129	117	1	0	2
				4F	6426	122	1	0	2	6395	122	1	0	G2	6149	117	1	0	2
				4W	6414	122	1	0	3	6384	121	1	0	G3	6138	117	1	0	3
		60	60.4	2	6865	114	1	0	2	6832	113	1	0	G2	6569	109	1	0	2
				3	6952	115	1	0	2	6919	115	1	0	G2	6652	110	1	0	2
				4F	6974	115	1	0	2	6941	115	1	0	G2	6674	110	1	0	2
				4W	6962	115	1	0	3	6929	115	1	0	G3	6662	110	1	0	3

VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

PERFORMANCE DATA: STRIKE CONT'D

Description	# of LEDs	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
					Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
VPW3	36L	55	63.1	2	7284	135	1	0	2	7249	134	1	0	G2	6970	129	1	0	2
				3	7376	137	1	0	2	7341	136	1	0	G2	7058	131	1	0	2
				4F	7400	137	1	0	2	7364	137	1	0	G2	7081	131	1	0	2
				4W	7387	137	1	0	3	7351	136	1	0	G3	7069	131	1	0	3
		2	9788	126	2	0	2	9741	126	2	0	G2	9366	121	2	0	2		
		3	9912	128	1	0	3	9864	127	1	0	G3	9485	122	1	0	3		
		4F	9944	128	1	0	2	9896	128	1	0	G2	9516	123	1	0	2		
		4W	9926	128	1	0	3	9879	127	1	0	G3	9499	122	1	0	3		
		2	12650	128	2	0	2	12589	127	2	0	G2	12105	122	2	0	2		
		3	12810	130	2	0	3	12748	129	2	0	G3	12258	124	2	0	3		
		4F	12851	130	1	0	3	12790	129	1	0	G3	12298	124	1	0	3		
		4W	12829	130	2	0	3	12767	129	2	0	G3	12276	124	2	0	3		
	2	13730	114	2	0	2	13664	113	2	0	G2	13138	109	2	0	2			
	3	13904	115	2	0	3	13837	114	2	0	G3	13305	110	2	0	3			
	4F	13949	115	1	0	3	13882	115	1	0	G3	13348	110	1	0	3			
	4W	13924	115	2	0	4	13857	115	2	0	G4	13324	110	2	0	3			

ELECTRICAL DATA: STRIKE

# OF LEDs	18L				
NOMINAL WATTAGE	25	30	39	50	60
SYSTEM POWER (W)	22.6	31.3	38.8	52.6	60.4
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	0.21	0.26	0.32	0.44	0.50
208	0.12	0.15	0.19	0.25	0.29
240	0.10	0.13	0.16	0.22	0.25
277	0.09	0.11	0.14	0.19	0.22
347	0.07	0.09	0.11	0.15	0.17
480	0.05	0.07	0.08	0.11	0.13

# OF LEDs	36L			
NOMINAL WATTAGE	55	80	100	120
SYSTEM POWER (W)	53.9	77.6	98.9	120.9
INPUT VOLTAGE (V)	CURRENT (Amps)			
120	0.45	0.65	0.82	1.01
208	0.26	0.37	0.48	0.58
240	0.22	0.32	0.41	0.50
277	0.19	0.28	0.36	0.44
347	0.16	0.22	0.29	0.35
480	0.11	0.16	0.21	0.25

VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

ELECTRICAL DATA: MICROSTRIKE

# OF LEDS	24L		
NOMINAL WATTAGE	10	15	25
SYSTEM POWER (W)	6.6	14.0	23.0
INPUT VOLTAGE (V)	CURRENT (Amps)		
120	0.06	0.12	0.19
208	0.03	0.07	0.11
240	0.03	0.06	0.10
277	0.02	0.05	0.08
347	0.02	0.04	0.07
480	0.01	0.03	0.05

# OF LEDS	48L				
NOMINAL WATTAGE	15	20	30	35	45
SYSTEM POWER (W)	13.1	20.5	28.8	37.3	45.9
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	0.11	0.17	0.24	0.31	0.38
208	0.06	0.10	0.14	0.18	0.22
240	0.05	0.09	0.12	0.16	0.19
277	0.05	0.07	0.10	0.13	0.17
347	0.04	0.06	0.08	0.11	0.13
480	0.03	0.04	0.06	0.08	0.10

# OF LEDS	80L						
NOMINAL WATTAGE	20	25	35	45	55	65	70
SYSTEM POWER (W)	19.4	26.7	34.2	41.7	50.6	58.3	63.5
INPUT VOLTAGE (V)	CURRENT (Amps)						
120	0.16	0.22	0.29	0.35	0.42	0.49	0.53
208	0.10	0.13	0.18	0.22	0.27	0.28	0.31
240	0.08	0.12	0.15	0.19	0.24	0.24	0.26
277	0.07	0.10	0.13	0.17	0.21	0.21	0.23
347	0.06	0.08	0.11	0.13	0.16	0.17	0.18
480	0.04	0.06	0.08	0.10	0.12	0.12	0.13

# OF LEDS	160L					
NOMINAL WATTAGE	45	70	95	105	135	155
SYSTEM POWER (W)	46.2	68.3	91	106.3	134.8	158.3
INPUT VOLTAGE (V)	CURRENT (Amps)					
120	0.39	0.57	0.76	0.89	1.12	1.32
208	0.22	0.33	0.44	0.51	0.65	0.76
240	0.19	0.28	0.38	0.44	0.56	0.66
277	0.17	0.25	0.33	0.38	0.49	0.57
347	0.13	0.20	0.26	0.31	0.39	0.46
480	0.10	0.14	0.19	0.22	0.28	0.33

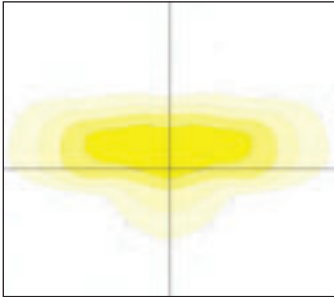
VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

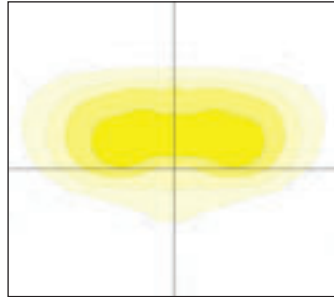
PHOTOMETRY

Mounting Height: 10ft

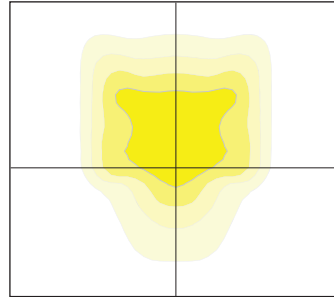
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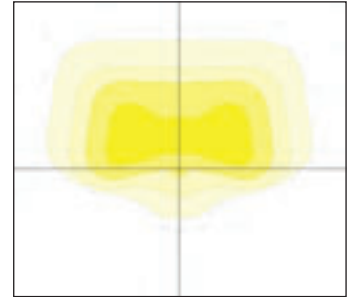
Type 3



Type 4F

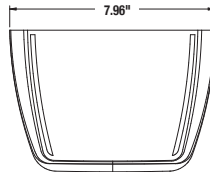
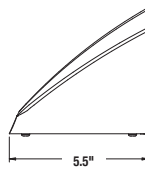
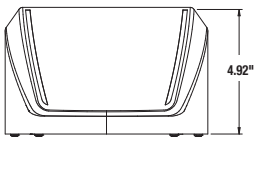


Type 4W

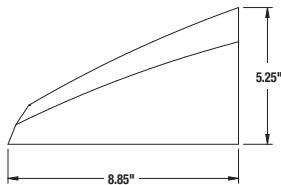
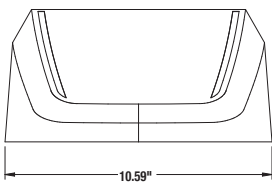


DIMENSIONS

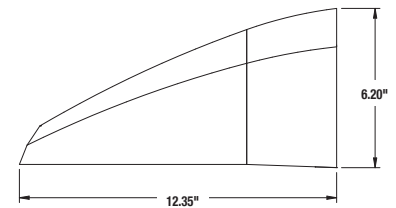
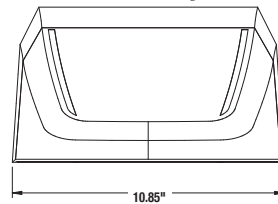
VPW1



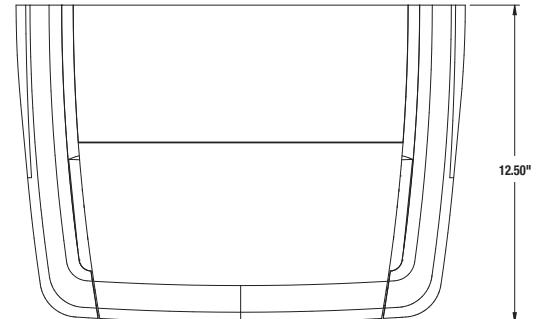
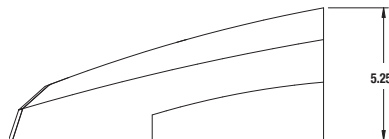
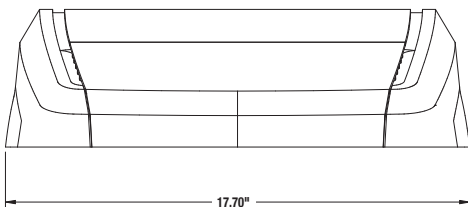
VPW2



VPW2 with Battery Back Box



VPW3



VIPER Wall

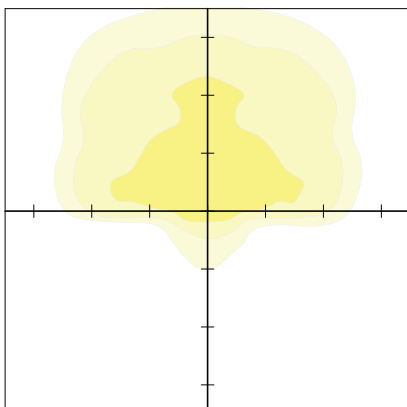
VPW1/VPW2/VPW3 LED WALLPACK

BATTERY OPTIONS & HOUSING SIZES

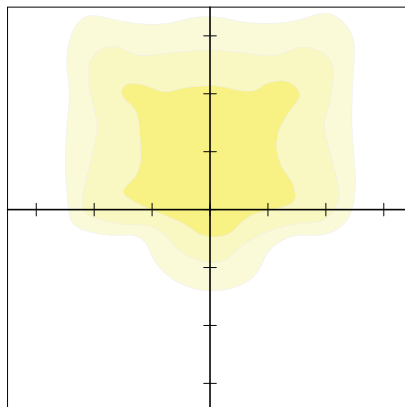
Size	Optics	# LEDs	Fixture Wattage	Battery (E)		Battery with Heater (EH)	
				E (10W)	Housing	EH (13W)	Housing
VPW1	Micro Strike	24L	10W	N/A	Not Available	N/A	Not Available
			15W				
			25W				
VPW2	Micro Strike	48L	15W	Y	Standard Housing	Y	Includes Integrated Back Box
			20W	Y	Standard Housing	Y	Includes Integrated Back Box
			30W	N/A	Not Available	Y	Includes Integrated Back Box
			35W	N/A	Not Available	Y	Includes Integrated Back Box
			45W	N/A	Not Available	Y	Includes Integrated Back Box
	Micro Strike	80L	20W	N/A	Not Available	Y	Includes Integrated Back Box
			25W			Y	Includes Integrated Back Box
			35W			Y	Includes Integrated Back Box
			45W			Y	Includes Integrated Back Box
			55W			Y	Includes Integrated Back Box
			65W			Y	Includes Integrated Back Box
			70W			Y	Includes Integrated Back Box
	Strike	18L	25W	N/A	Not Available	Y	Includes Integrated Back Box
			30W			Y	Includes Integrated Back Box
			39W			Y	Includes Integrated Back Box
50W			Y			Includes Integrated Back Box	
VPW3	Micro Strike	160L	45W	N/A	Not Available	Yes	Standard Housing
			70W			Yes	Standard Housing
			95W			Yes	Standard Housing
			105W			N/A	Not Available
			135W			N/A	Not Available
			155W			N/A	Not Available
	Strike	36L	55W	N/A	Not Available	Yes	Standard Housing
			80W			Yes	Standard Housing
			100W			Yes	Standard Housing
			120W			N/A	Not Available

PHOTOMETRY - BATTERY

18L BATTERY PHOTOMETRY



80L BATTERY PHOTOMETRY



Mounting Height: 12ft
Scale: 10ft

LFR-4RD

LITEFRAME 4" ROUND DOWNLIGHT

LITEFRAME[™] 2.0



FEATURES

- 4" LED downlight delivering 1000–6000 lumens
- Direct Install from below ceiling for New Construction or Remodel applications
- Optional housing accessories available
- Five beam distributions
- 2700K–5000K, 80+ and 90+ CRI (2 SDCM)
- Dimming protocols include 0–10V, Phase (Forward/Reverse), DALI, DMX, and Lutron EcoSystem
- NX Lighting Controls wired and wireless controls capability available

SERVICE PROGRAMS



CONTROLS TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Standard Fixture Module designed for Non-IC, Direct Install construction
- Optional Non-IC frame or IC housing available with pre-installed bar hangers
- Die cast aluminum fixture module support ring with spring steel clips for secure mounting to ceiling
- Driver J-Box can be installed and accessed from below the ceiling as direct install or easily snap on to optional housing frame/enclosure
- Light Engine connections use plenum rated (CMP) cable

OPTICS

- High purity spun aluminum reflector, self-flanged
- 57° visual cutoff to source image and 31° cutoff to source
- Specular or Semi-Specular anodized or White painted cone reflector finish/colors
- Painted flange options in White or Black
- Optional clear lens trim for wet location applications
- Wide Angle and Soft Focus lens filter/clip accessories available

ELECTRICAL

- Chip-on-board LED with 2 SDCM
- Multiple CCTs, 80+ or 90+ CRI
- Long LED life: L90 at >50,000 hours (TM-21)

ELECTRICAL (CONTINUED)

- Universal voltage 120–277V driver, 347V optional
- UL Class 2, inherent short circuit and overload protection
- Flicker-free dimming options in a wide range of protocols from 1% to <0.1% performance
- 0–10V, Phase (Forward/Reverse), DALI, DMX, and Lutron EcoSystem options
- NX Lighting Controls provides options for standalone and networked functionality with wired or wireless connectivity for NX system deployments
- Integral and remote emergency battery options available

INSTALLATION

- Accommodates ceiling thickness from 0.50" to 2.50"
- Fixture Module including driver fully accessible from above or below the ceiling
- 10L Fixture Modules are inherently protected IC without the use of IC housing enclosure. (IC housing is still recommended when using loose-fill or spray foam insulation types.)

CERTIFICATIONS

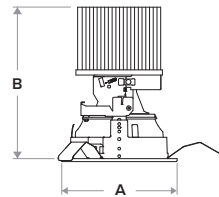
- cCSAus certified to UL 1598
- For ≥50L: Marked spacing required 36" fixture center to center; 18" fixture center to building member; 0.5" above fixture

CERTIFICATIONS (CONTINUED)

- Suitable for wet locations, covered ceiling when used with CL lens trim; all other configurations, suitable for damp locations
- CL Lens option: IP65 rated (room side) when properly installed per installation instructions
- EM/EMR: Certified under UL 924 standard for emergency lighting and power equipment
- EM/EMR: Emergency battery packs are California Energy Commission (CEC) Title 20 Compliant
- Approved for 8 (4 in/4 out) No. 12AWG conductors rated for 90°C through wiring

WARRANTY

- 5 year warranty



Typical Dimensions and Weights			
Lumen Package	"A" Diameter Inches (mm)	"B" Height Inches (mm)	Weight lbs (kg)
10L - 30L	5.37 (136)	5.45 (138)	4 (1.8)
35L - 60L	5.37 (136)	7.03 (179)	4.3 (1.9)

See DIMENSIONS section for complete details

KEY DATA	
Lumen Range	1000–6000
Wattage Range	8–54
Efficacy Range (LPW)	105–135
Reported Life (Hours)	L90 / >50,000
Input Current (mA)	66–450 (120V)

*Based on Specular, 35K, 80 CRI

LFR-4RD

LITEFRAME 4" ROUND DOWNLIGHT

DATE: _____ LOCATION: _____
 TYPE: DL PROJECT: _____
 CATALOG #: _____

Gray Shading = Service Program **STOCK** **QS10**
 Limit of 150 Luminaries

ORDERING GUIDE

Example: LFR-4RD-M-10L35K8-WD-DM1 / LFR-4RD-T-S / LFR-4RD-H

CATALOG # _____

FIXTURE MODULE

LFR-4RD-M	Lumen Output		CCT		CRI	Distribution	Driver Options	Control Options	Voltage	Module Options
Ap/Shp/Funct										
LFR-4RD-M 4" Round Downlight Fixture Module for Direct Install	10L	1000	27K	2700K	8 80+	VNR Very Narrow (17°/0.3 SC)	DM1 0–10V Dimming to 1%	NX Lighting Controls	<i>Standard</i> 120–277V	CP Chicago Plenum ^{5,6}
	15L	1500	30K	3000K	9 90+	NR Narrow (26°/0.4 SC)	DM01 0–10V Dimming to < 1% ²	<u>Networked Wireless</u>	34 347V ⁴	EM 6W Emergency Battery Pack (CEC Title 20 Compliant) with integral test switch and indicator light ⁶
	20L	2000	35K	3500K		MD Medium (34°/0.6 SC)	PDM Phase (Forward/ Reverse) Dimming to 1% ²	NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor ³		EMR 6W Emergency Battery Pack (CEC Title 20 Compliant) with remote test switch and indicator light ⁶
(Non-IC frame or IC housing available under Housing Options below)	25L	2500	40K	4000K		WD Wide (49°/0.7 SC)	DMX DMX with RDM dimming to < 0.1% ²	<u>Networked Wired</u>		
	30L	3000	50K	5000K		XW Extra Wide (65°/1.0 SC) ¹²	DALI DALI Dimming to 1% ²	NXE NX Wired Dual RJ45 SmartPORTS, without Sensor ³		DTS Device Transfer Switch with Dimming Bypass ^{6,7}
	35L	3500					EDM Lutron Hi-Lume EcoSystem Dimming to 1% ²			
	40L	4000								
	50L	5000 ¹								
	60L	6000 ¹								

TRIM (Ships separately)

LFR-4RD-T	Distribution	Reflector Finish/Color	Flange Color Options	Lens Options	Lower Trim Options
Aperture/Shape/Function					
LFR-4RD-T 4" Round Downlight Trim Assembly	<i>Standard</i> NR, MD, WD, XW VNR Very Narrow	S Specular ¹² SS Semi-Specular WC Painted White Cone and Flange	<i>Standard matches reflector color</i> WT White Flange ⁸ BT Black Flange	<i>Standard no lens</i> CL Clear Lens (Wet listed) ⁹	EM Pre-punched reflector for EM integral test switch and indicator ⁹ FM Flush Mount Mud-In Ring ¹³

HOUSING OPTIONS (Ships separately)

Aperture/Shape/Function
<input type="checkbox"/> LFR-4RD-H 4" Housing Frame, New Construction, Non-IC
<input type="checkbox"/> LFR-4RD-H-IC 4" Housing Enclosure, New Construction, IC Rated ^{10,11}

Notes:

- 50L and 60L require marked spacing. See line art for more details.
- DM01, PDM, DMX, DALI available up to 50L. EDM available 15L–40L.
- NX requires DM1 driver option.
- 347V requires DM1 driver option; available 10L–40L; not available with Controls, DTS, EM, EMR.
- CP not available with PDM, DMX, or Controls.
- Module options not available in combination.
- DTS available with DM1, DM01, or DALI.
- WT not needed for WC.
- CL lens and EM trim options not available in combination.
- IC available up to 35L; 10L Fixture Modules are inherently protected IC without the use of IC housing enclosure. (IC housing is still recommended when using loose-fill or spray foam insulation types.)
- IC Housing not for use in combination with Controls or with Module Options CP, EM, EMR, DTS.
- XW distribution is not available for Specular (S) reflector finish.
- Flush Mount Flange (FM) requires FMR accessory (sold separately).
- Specify slope angle 5°–35° in 5° increments. Not available with EM or FM options.

Accessories

- SFL4** Soft Focus Lens and Clip, 4" Round
- WAL4** Wide Angle 80° Lens and Clip, 4" Round
- LiteGear** LiteGear® Inverter, 125VA–250VA
- LPS Series** LightPower Micro-Inverter, 20VA–55VA
- LF-FMR4-R** Flush Mount Mud-in Ring, 4" ¹³
- LF-MOR4-R-WH** Metal Oversized Ring, 4" Round, White (8.3" outside diameter)
- LFR-SCA4-___** Sloped Ceiling Adapter, 4" White¹⁴

LFR-4RD



LITEFRAME 4" ROUND DOWNLIGHT

DATE: _____ LOCATION: _____

TYPE: DL PROJECT: _____

CATALOG #: _____

NX LIGHTING CONTROLS

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		
NX Wireless	NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor	✓	✓	✓	-	-	✓	✓	✓		NXRM2-H
NX Wired	NXE	NX Wired Dual RJ45 SmartPORTS, without Sensor	✓	✓	✓	-	-	✓	✓	✓ ¹		NXDSP

¹ Requires NXBTC, order separately.

NX LIGHTING CONTROLS APP



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



Android



Apple iOS

LFR-4RD

LITEFRAME 4" ROUND DOWNLIGHT

PERFORMANCE DATA TABLE

Performance data shown is 3500K 80+CRI with Specular reflector except Extra Wide distribution which is Semi-Specular.

Lumen Package	Nominal Lumens	Distribution	Delivered Lumens	Watts	LPW
10L	1000	Very Narrow	979	7.6	129
		Narrow	1023	7.6	135
		Medium	997	7.6	131
		Wide	995	7.6	131
		Extra Wide	947	7.6	125
15L	1500	Very Narrow	1471	11.8	125
		Narrow	1536	11.8	130
		Medium	1498	11.8	127
		Wide	1494	11.8	127
		Extra Wide	1422	11.8	121
20L	2000	Very Narrow	1937	15.2	127
		Narrow	1982	15.3	130
		Medium	1933	15.3	127
		Wide	1928	15.3	126
		Extra Wide	1835	15.2	121
25L	2500	Very Narrow	2465	20.9	118
		Narrow	2574	20.9	123
		Medium	2510	20.9	120
		Wide	2504	20.9	120
		Extra Wide	2384	20.9	114
30L	3000	Very Narrow	2938	26.0	113
		Narrow	3068	26.0	118
		Medium	2992	26.0	115
		Wide	2985	26.0	115
		Extra Wide	2842	26.0	109
35L	3500	Very Narrow	3571	29.4	121
		Narrow	3729	29.4	127
		Medium	3637	29.4	124
		Wide	3628	29.4	123
		Extra Wide	3454	29.4	117
40L	4000	Very Narrow	3982	32.9	121
		Narrow	4157	32.9	126
		Medium	4055	32.9	123
		Wide	4045	32.9	123
		Extra Wide	3851	32.9	117
50L	5000	Very Narrow	4844	42.0	115
		Narrow	5058	42.0	120
		Medium	4933	42.0	117
		Wide	4921	42.0	117
		Extra Wide	4684	42.0	112
60L	6000	Very Narrow	5778	53.4	108
		Narrow	6033	53.4	113
		Medium	5884	53.4	110
		Wide	5870	53.4	110
		Extra Wide	5588	53.4	105

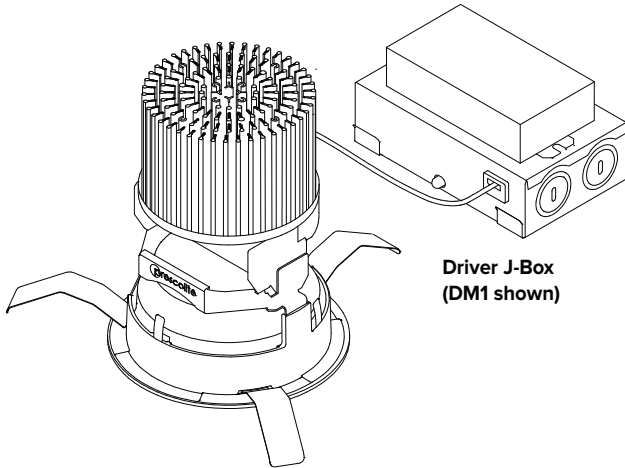
LFR-4RD

LITEFRAME 4" ROUND DOWNLIGHT

DIMENSIONS

LFR-4RD-M

Fixture Module consists of Light Engine and Driver J-Box assemblies.
Overall dimensions for each are dependent upon configuration selected.
See the following pages for details.



**Light Engine
with Trim assembly installed**

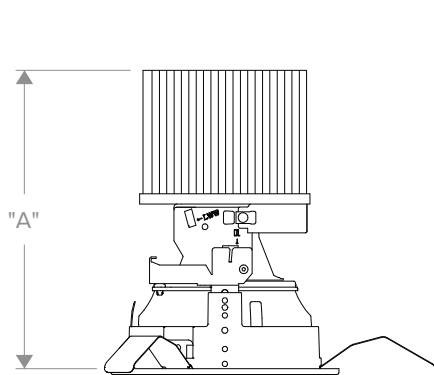
**Driver J-Box
(DM1 shown)**

DIMENSIONAL DATA		
APERTURE		Ø4.00" (101.6mm)
OVERALL		Ø5.37" (136.5mm)
FLANGE WIDTH	Standard	0.69" (17.5mm)
	Flush Mount	0.19" (4.8mm)
FLANGE TO FLANGE	Standard	Ø5.37" (136.6mm)
	Flush Mount	Ø4.38" (111.2mm)
CEILING CUTOUT	Standard	Ø4.75" (120.7mm)
	Flush Mount	Ø4.88" (123.9mm)
CEILING THICKNESS		0.50" – 2.50" (12.7 – 63.5mm)

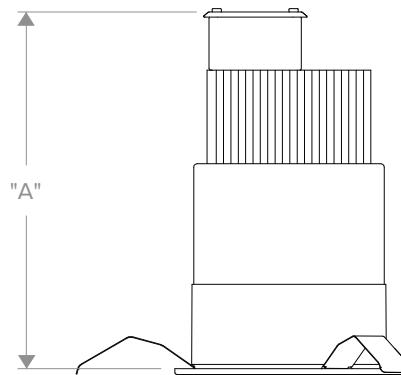
LFR-4RD LIGHT ENGINE

OVERALL LIGHT ENGINE HEIGHT "A" *				
LUMEN PACKAGE	FIXTURE MODULE	BEAM DISTRIBUTION		
		VNR	NR / MD/ WD	XW
10L-30L	STANDARD	6.24" (158.5mm)	5.45" (138.5mm)	5.1" (129.5mm)
	CP	9.22" (324.1mm)	8.43" (214.0mm)	8.08" (205.1mm)
35L-60L	STANDARD	7.82" (198.6mm)	7.03" (178.6mm)	6.68" (169.7mm)
	CP	9.22" (234.1mm)	8.43" (214.0mm)	8.08" (205.1mm)

* Note: Add 1/2" minimum plenum clearance above overall Light Engine Height.
** For ≥50L: Marked spacing required 36" fixture center to center, 18" fixture center to building member; 0.5" above fixture.
*** Non-IC rating requires 3" from insulation and combustible materials.



Side View Standard



Side View CP - Chicago Plenum

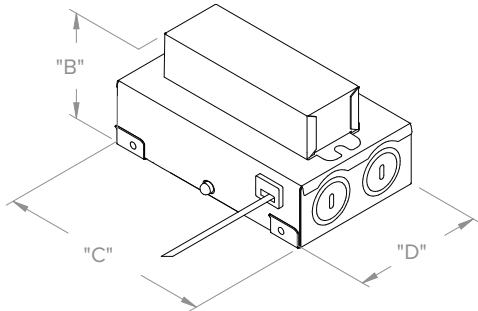
LFR-4RD

LITEFRAME 4" ROUND DOWNLIGHT

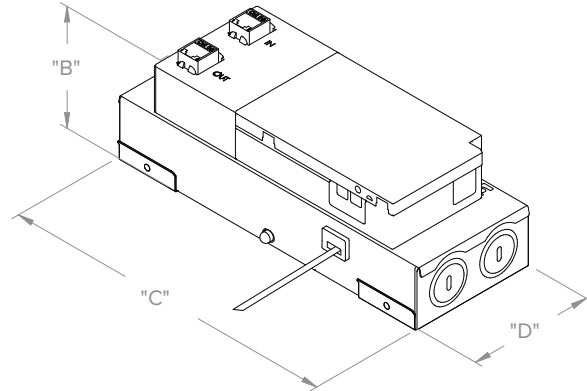
DIMENSIONS CONTINUED

DRIVER J-BOX

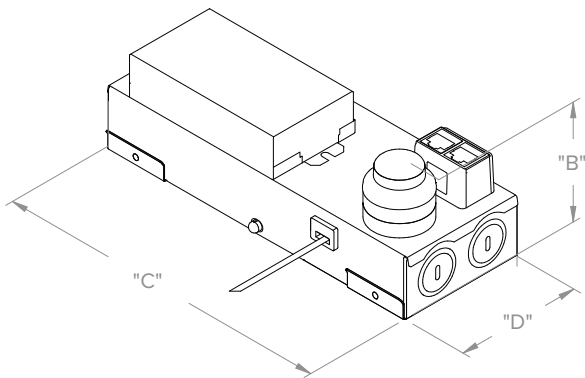
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 TYPE: DL PROJECT: _____
 CATALOG #: _____



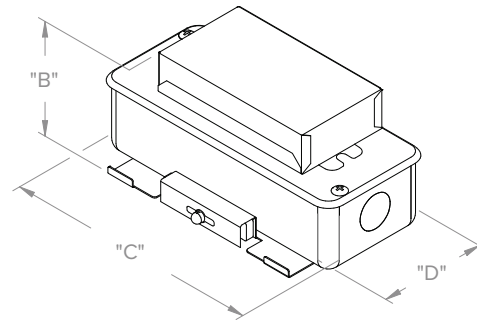
DM1 / DM01 / PDM / DALI



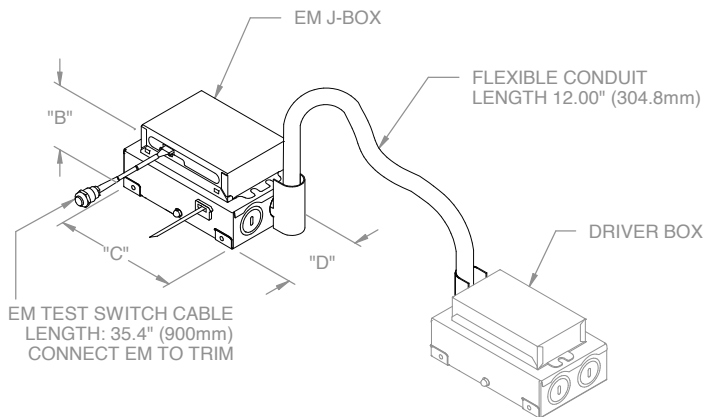
DMX



NX CONTROLS OPTION



CP



EM/EMR OPTION

EM/EMR Driver J-Box Conduit (provided) connects to Driver J-Box (see Driver J-Box for additional details)

OVERALL DRIVER J-BOX DIMENSIONS (ALL LUMEN OUTPUTS)				
DRIVER/ CONTROLS OPTIONS	"B" (HEIGHT)	"C" (LENGTH)	"D" (WIDTH)	MINIMUM J-BOX PLENUM CLEARANCE
DM1 / DM01 / PDM / DALI	2.67" (67.8mm)	5.34" (135.6mm)	3.23" (82.0mm)	3.50" (88.9mm)
DMX	3.07" (78.0mm)	8.68" (220.5mm)	3.23" (82.0mm)	5.00" (127.0mm)
NX	3.02" (76.7mm)	8.68" (220.5mm)	3.23" (82.0mm)	6.00" (152.4mm)
EM/EMR	2.73" (69.3mm)	5.34" (135.6mm)	3.23" (82.0mm)	4.00" (101.6mm)
CP	1.89" (73.4mm)	6.50" (165.1mm)	2.72" (69.1mm)	5.00" (127mm)

LFR-4RD

LITEFRAME 4" ROUND DOWNLIGHT

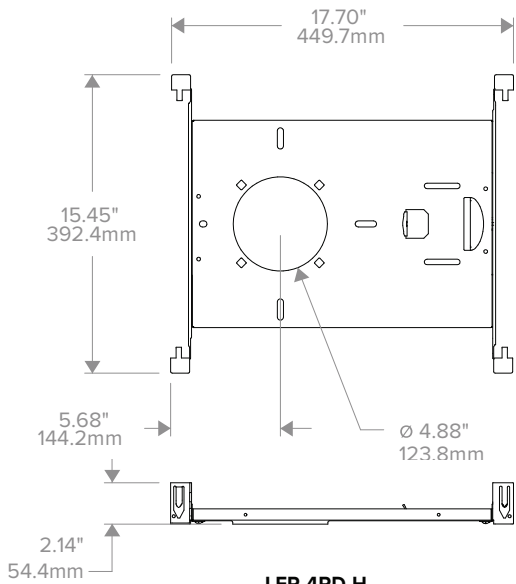
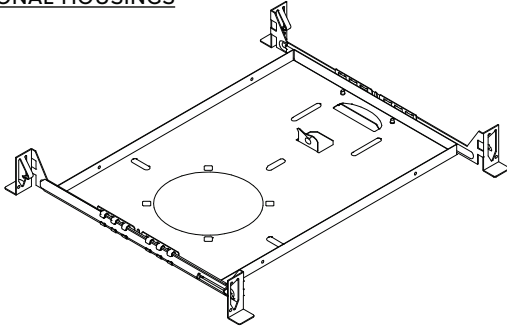
DIMENSIONS CONTINUED

OPTIONAL HOUSINGS

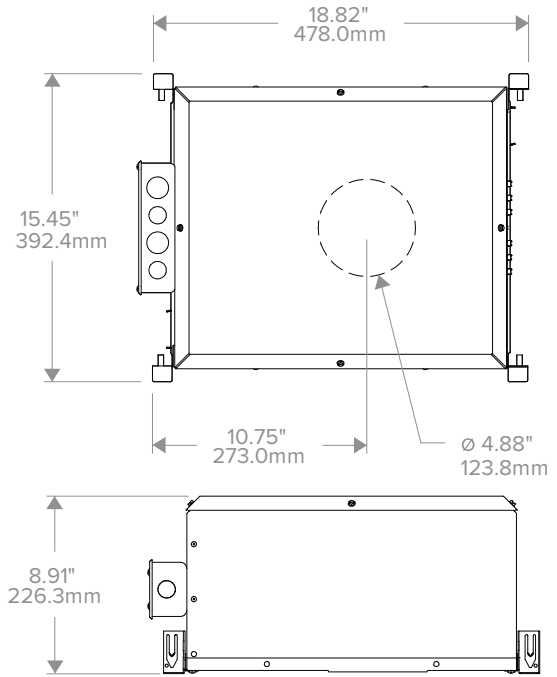
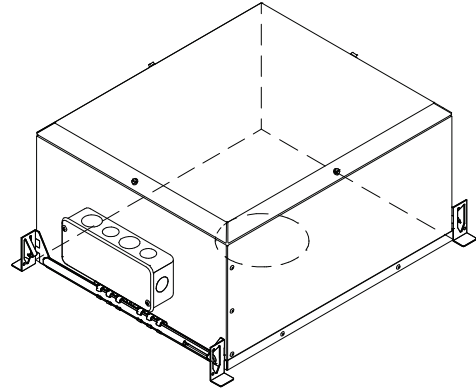
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TYPE: DL PROJECT: _____

CATALOG #: _____

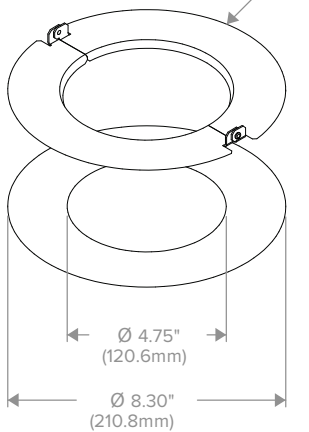


**LFR-4RD-H
NON-IC HOUSING FRAME**

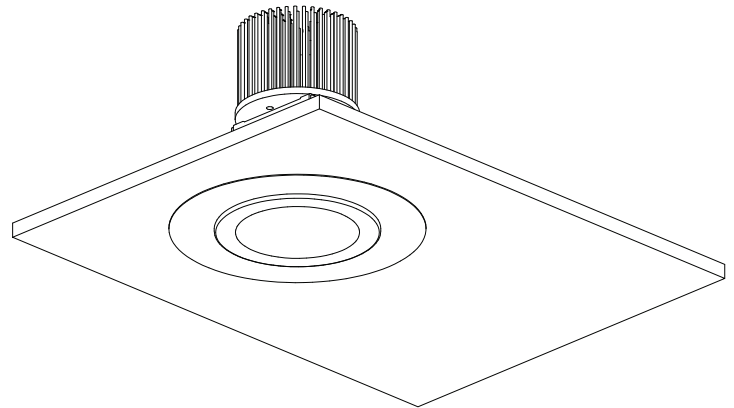


**LFR-4RD-H-IC
IC HOUSING**
Not for use with CP Shroud

Metal 2-piece adapter (included) to be installed above ceiling



**ROUND LF-MOR4-R
METAL OVERSIZED RING**
(See LF-MOR Installation Instruction for more details)



LFR-4RD

LITEFRAME 4" ROUND DOWNLIGHT

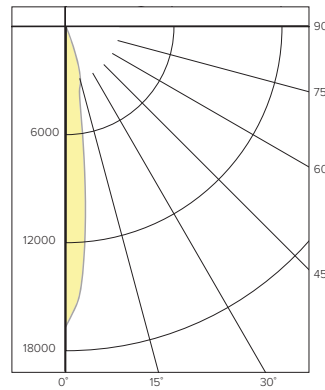
PHOTOMETRY

LFR-4RD-M-20L35K8VNR-DM1 / LFR-4RD-T-VNR-S

LUMINAIRE DATA

Test No.	21.001652
Description	2000 lm, Very Narrow, 3500K, 80 CRI
Delivered Lumens	1937
Watts	15.2W
Efficacy	127
Mounting	Recessed
Spacing Criterion	0.3
Beam Angle (FWHM)	15

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	16778
5	12300
15	3246
25	139
35	7
45	3
55	1
65	1
75	0
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	523
55°	215
65°	292
75°	0
85°	0

*Candela/Square Meter

ZONAL LUMEN SUMMARY

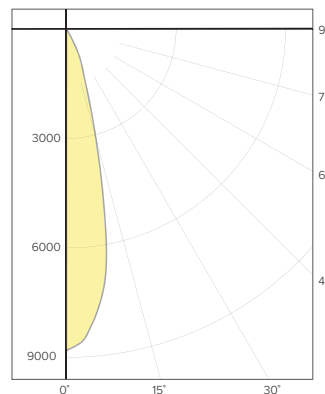
Zone	Lumens	% Luminaire
0-40	1932	99.8
0-60	1936	99.9
0-90	1937	100.0
0-180	1937	100.0

LFR-4RD-M-20L35K8NR-DM1 / LFR-4RD-T-S

LUMINAIRE DATA

Test No.	21.00574
Description	2000 lm, Narrow, 3500K, 80 CRI
Delivered Lumens	1982
Watts	15.3W
Efficacy	130
Mounting	Recessed
Spacing Criterion	0.4
Beam Angle (FWHM)	26

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	8819
5	8106
15	3103
25	858
35	7
45	2
55	1
65	1
75	0
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	349
55°	215
65°	292
75°	0
85°	0

*Candela/Square Meter

ZONAL LUMEN SUMMARY

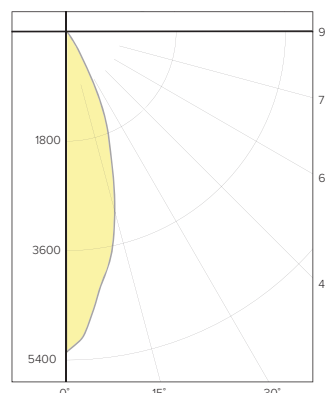
Zone	Lumens	% Luminaire
0-40	1978	99.3
0-60	1981	100.0
0-90	1982	100.0
0-180	1982	100.0

LFR-4RD-M-20L35K8MD-DM1 / LFR-4RD-T-S

LUMINAIRE DATA

Test No.	21.00585
Description	2000 lm, Medium, 3500K, 80 CRI
Delivered Lumens	1933
Watts	15.3W
Efficacy	127
Mounting	Recessed
Spacing Criterion	0.6
Beam Angle (FWHM)	34

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	5267
5	4677
15	3033
25	1352
35	55
45	3
55	1
65	1
75	0
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	523
55°	215
65°	292
75°	0
85°	0

*Candela/Square Meter

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1928	99.8
0-60	1931	99.9
0-90	1933	100.0
0-180	1933	100.0

LFR-4RD

LITEFRAME 4" ROUND DOWNLIGHT

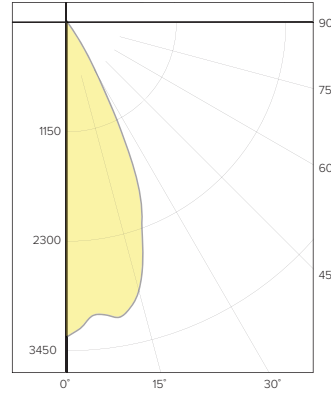
PHOTOMETRY CONTINUED

LFR-4RD-M-20L35K8WD-DM1 / LFR-4RD-T-S

LUMINAIRE DATA

Test No.	21.00577
Description	2000 lm, Wide, 3500K, 80 CRI
Delivered Lumens	1928
Watts	15.3W
Efficacy	126
Mounting	Recessed
Spacing Criterion	0.7
Beam Angle (FWHM)	49

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	3329
5	3118
15	2946
25	1625
35	117
45	4
55	1
65	1
75	0
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	698
55°	215
65°	292
75°	0
85°	0

*Candela/Square Meter

ZONAL LUMEN SUMMARY

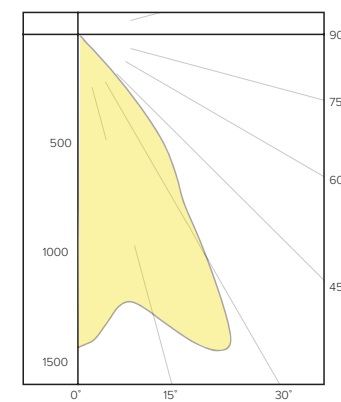
Zone	Lumens	% Luminaire
0-40	1922	99.7
0-60	1927	99.9
0-90	1928	100.0
0-180	1928	100.0

LFR-4RD-M-20L35K8XW-DM1 / LFR-4RD-T-SS

LUMINAIRE DATA

Test No.	21.01456
Description	2000 lm, Extra Wide, 3500K, 80 CRI
Delivered Lumens	1835
Watts	15.2W
Efficacy	121
Mounting	Recessed
Spacing Criterion	1.0
Beam Angle (FWHM)	65

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	1431
5	1345
15	1323
25	1589
35	781
45	80
55	16
65	6
75	2
85	0
90	0

LUMINANCE DATA*

Vertical Angle	Average
45°	13955
55°	3441
65°	1751
75°	953
85°	0

*Candela/Square Meter

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	1686	91.9
0-60	1826	99.5
0-90	1835	100.00
0-180	1835	100.0

LUMEN MULTIPLIER

Option	27K8	30K8	35K8	40K8	50K8	27K9	30K9	35K9	40K9	50K9
Multiplier	0.93	0.96	1.00	1.01	1.03	0.78	0.82	0.85	0.87	0.89

Photometrics are published below at a nominal 3500 Kelvin, 80+ CRI. This table may be used to approximate the lumen values at different Kelvin temperatures. Power consumption would stay the same.

LENS OPTION / LENS FILTER ACCESSORY MULTIPLIER (Based on Clear Specular)

Option	CL (Clear Lens)	SFL4 (Soft Focus Accessory)	WAL4 (Wide Angle Accessory)
Multiplier	0.95	0.96	0.83

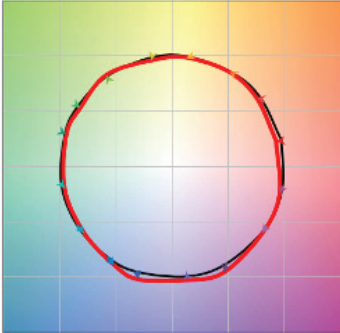
Multiply lumen/lens multipliers to calculate applicable combinations. Example: 30K8 with Clear Lens option (CL) = 0.96 x 0.95 = 0.91

LFR-4RD

LITEFRAME 4" ROUND DOWNLIGHT

TM-30 DATA

COLOR VECTOR GRAPHIC
3500K, 90 CRI



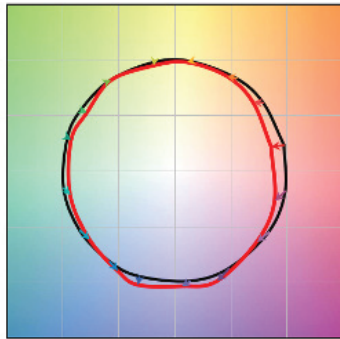
— Reference Illuminant — Test Source

COLOR DISTORTION GRAPHIC
3500K, 90 CRI



TEST RESULTS - 3500K		
Value	80+ CRI	90+ CRI
R_t	85	90
R_g	95	99
CCT (K)	3422	3416
D_{uv}	-0.0008	-0.0019
x	0.4089	0.408
y	0.3906	0.3877
CIE R_a	85	93
CIE R_s	16	66

COLOR VECTOR GRAPHIC
3500K, 80 CRI



— Reference Illuminant — Test Source

COLOR DISTORTION GRAPHIC
3500K, 80 CRI



LFR-4RD

LITEFRAME 4" ROUND DOWNLIGHT

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

ELECTRICAL DATA

DRIVER DATA		
Input Voltage	120-277 V	347 V
Input Frequency	50/60 Hz	50/60 Hz
Power Factor	≥0.90	≥0.90
THD	<20%	<20%
EMI Filtering (FCC 47 CFR Part 15)	Class A	Class A

* Values for DM1 option shown, values for other dimming options may vary.

ADDITIONAL INFORMATION

Dimming Compatibility

For more details and recommended dimmer list, see Dimming Compatibility Information on currentlighting.com/prescolite.

DMX

See instruction sheet on currentlighting.com/prescolite for connection & installation information.

Central Inverters

For full fixture output in back-up mode, we recommend you visit currentlighting.com/dual-lite.com for your Central Lighting Inverter options. Please contact your local Current representative for any assistance with proper sizing and loading of your inverter selection. Central lighting inverters must be ordered separately.

Lumen Output in Emergency Mode

To determine the lumen output in emergency mode, multiply the battery pack wattage by the fixture lumens per watt (LPW). For example, 6W x 120 LPW = 720 lumens in emergency mode.

SSSB Series Poles

SQUARE STRAIGHT STEEL

DATE:	LOCATION:
TYPE: SL	PROJECT:
CATALOG #:	

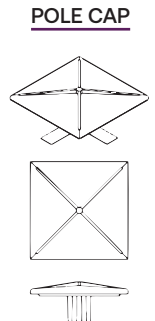
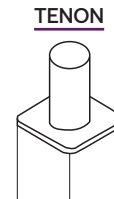
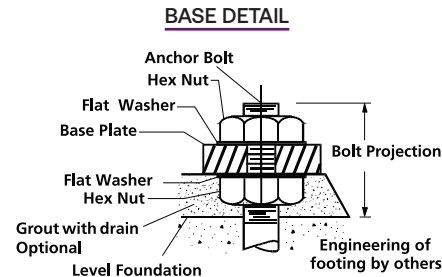
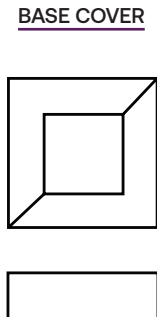
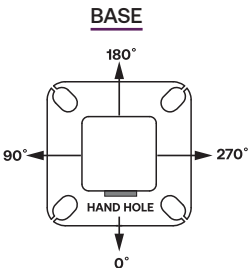
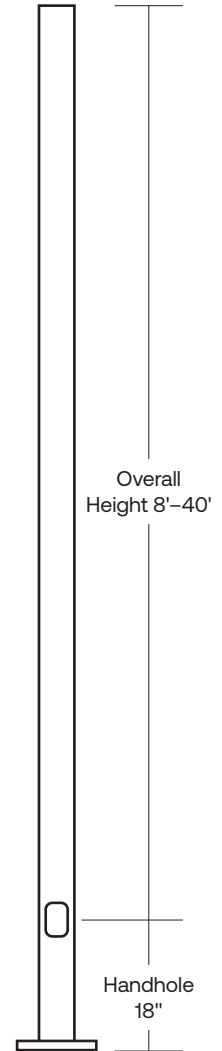
SPECIFICATIONS

CONSTRUCTION

- Shaft: One-piece straight steel with square cross section, flat sides and minimum 0.23" radius on all corners; Minimum yield of 46,000 psi (ASTM-A500, Grade B); Longitudinal weld seam to appear flush with shaft side wall; Steel base plate with axial bolt circle slots welded flush to pole shaft having minimum yield of 36,000 psi (ASTM A36)
- Base cover: Two-piece square aluminum base cover included standard
- Pole cap: Pole shaft supplied with removable cover when applicable; Tenon and post-top configurations also available
- Hand hole: Rectangular 3x5 steel hand hole frame (2.38" x 4.38" opening); Mounting provisions for grounding lug located behind gasketed cover
- Anchor bolts: Four galvanized anchor bolts provided per pole with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling
 - Anchor bolt part numbers: 3/4 x 30 x 3 — TAB-30-M38
1 x 36 x 4 — TAB-36-M38
- Super Durable polyester-TGIC powder coat finish with nominal 3.0 mil thickness. Meets or exceeds AAMA 2604 standards.

INSTALLATION

- Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location



SSSB Series Poles

SQUARE STRAIGHT STEEL

DATE: _____ LOCATION: _____
 TYPE: **SL** PROJECT: _____
 CATALOG #: _____

ORDERING INFORMATION

Example: SSSB25-40A-2L-S2-DBT-UL

SSSB Series	Height	Shaft	Thickness	Mounting	Drill Pattern	Finish	Options
SSSB Square Straight Steel Pole Beacon	Reference page 3 Ordering matrix	Reference page 3 Ordering matrix	Reference page 3 Ordering matrix A - .125" Wall B - .188" Wall C - .250" Wall	1 Single arm mount 2 Two fixtures at 180° 2L Two fixtures at 90° 3T Three fixtures at 90° 4 Four fixtures at 90° TA Tenon (2.38" OD x 4" Tall) TB Tenon (2.88" OD x 4" Tall) TC Tenon (3.5" OD x 6" Tall) TR ¹ Removable Tenon (2.375" x 4.25") OT Open Top (includes pole cap)	B1 Cruiser, "AM" arm B3 2 bolt (2-1/2" spacing), Viper "A" arm S2 2 bolt (3-1/2" spacing), Viper "AD" arm UDP Universal Drill Pattern	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGT Light Grey Matte Textured LGS Light Grey Gloss Smooth PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VG Verde Green Textured Color Option CC Custom Color ²	GFI ³ 20 Amp GFCI Receptacle and Cover EHH ³ Extra Handhole C05 ³ 5" Coupling C07 ³ .75" Coupling C20 ³ 2" Coupling MPB ³ Mid-pole Luminaire Bracket VM1 ⁴ Mode vibration dampener VM2 ⁵ 2nd mode vibration dampener LAB Less Anchor Bolts UL ⁶ UL Certified

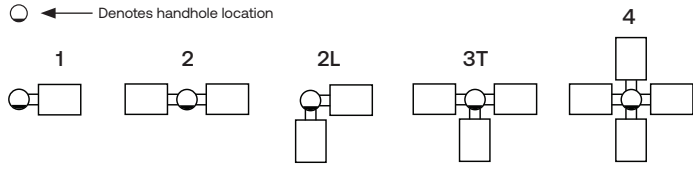
Accessories (Order Separately)

Part Number	Description
<input type="checkbox"/> A81999-0001	Field-installed 2nd mode vibration dampener - VM2S08
<input type="checkbox"/> A81999-0005	Field-installed 2nd mode vibration dampener - VM2S10
<input type="checkbox"/> A81999-0004	Field-installed 2nd mode vibration dampener - VM2S12
<input type="checkbox"/> A81999-0003	Field-installed 2nd mode vibration dampener - VM2S14
<input type="checkbox"/> A81999-0007	Field-installed 2nd mode vibration dampener - VM2S16
<input type="checkbox"/> A81999-0006	Field-installed 2nd mode vibration dampener - VM2S18
<input type="checkbox"/> A81999-0002	Field-installed 2nd mode vibration dampener - VM2S20
<input type="checkbox"/> A81999-0009	Field-installed 2nd mode vibration dampener - VM2S24
<input type="checkbox"/> A81999-0008	Field-installed 2nd mode vibration dampener - VM2S25

- 1 Removable tenon used in conjunction with side arm mounting. First specify desired arm configuration followed by the "TR" notation. Example: SSS-B-25-40-A-1-B1-TR-BBTT.
- 2 Custom colors available; RAL number preferable
- 3 Specify option location using logic found on page 3 (Option Orientation).
- 4 VM1 recommended on poles 20' and taller with EPA of less than 1.
- 5 There will be a weld witness mark on the side of the pole with the Factory installed VM2
- 6 UL not available with tenon on pole

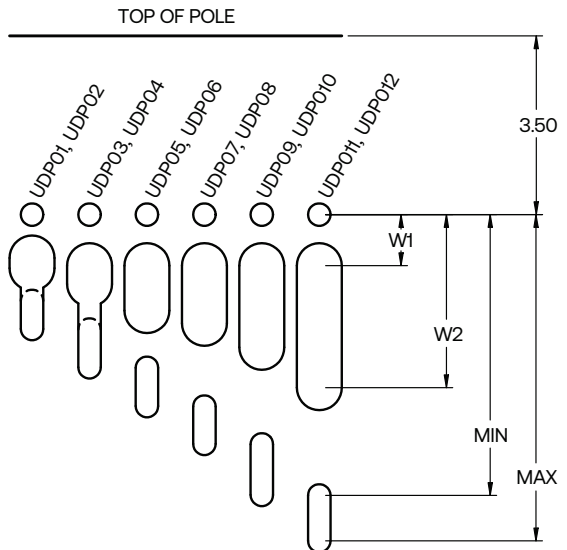
MOUNTING ORIENTATION

○ ← Denotes handhole location



DRILL PATTERNS

UNIVERSAL DRILL PATTERN (UDP)



Two Bolt Mounting with Center Wireway						
Mounting Hardware	Universal Mounting Patterns					
3/8" or less	UDP01	UDP03	UDP05	UDP07	UDP09	UDP011
7/8" to 1/2"	UDP02	UDP04	UDP06	UDP08	UDP10	UDP12
"Min" Attachment Dimension	1.69	2.25	3.00	3.76	4.50	5.50
"Max" Attachment Dimension	2.24	2.99	3.75	4.49	5.49	6.00
W1 (Wireway min)	0.85	1.00	1.00	1.00	1.00	1.00
W2 (Wireway max)	1.05	1.36	1.88	2.13	2.60	3.00

UDP to accommodate 3rd Party Luminaires. Current Brands only utilize exact drill patterns as published.

ORDERING INFORMATION (CONTINUED)

CATALOG NUMBER	HEIGHT		NOMINAL SHAFT DIMENSIONS	WALL THICKNESS	BOLT CIRCLE (SUGGESTED)	BOLT CIRCLE (RANGE)	BASE PLATE SQUARE	ANCHOR BOLT SIZE	BOLT PROJECTION	POLE WEIGHT (LBS)
	FEET	METERS								
SSSB10-40A	10	3.0	4" square	.0125"	9"	8" - 10"	9"	3/4" x 30" x 3"	3.5	77
SSSB12-40A	12	3.7	4" square	.0125"	9"	8" - 10"	9"	3/4" x 30" x 3"	3.5	90
SSSB14-40A	14	4.3	4" square	.0125"	9"	8" - 10"	9"	3/4" x 30" x 3"	3.5	103
SSSB16-40A	16	4.9	4" square	.0125"	9"	8" - 10"	9"	3/4" x 30" x 3"	3.5	116
SSSB18-40A	18	5.5	4" square	.0125"	9"	8" - 10"	9"	3/4" x 30" x 3"	3.5	129
SSSB20-40A	20	6.1	4" square	.0125"	9"	8" - 10"	9"	3/4" x 30" x 3"	3.5	142
SSSB25-40A	25	7.6	4" square	.0125"	9"	8" - 10"	9"	3/4" x 30" x 3"	3.5	175
SSSB14-40B	14	4.3	4" square	.188"	11"	10" - 12"	10.50"	3/4" x 30" x 3"	3.5	152
SSSB16-40B	16	4.9	4" square	.188"	11"	10" - 12"	10.50"	3/4" x 30" x 3"	3.5	171
SSSB18-40B	18	5.5	4" square	.188"	11"	10" - 12"	10.50"	3/4" x 30" x 3"	3.5	190
SSSB20-40B	20	6.1	4" square	.188"	11"	10" - 12"	10.50"	3/4" x 30" x 3"	3.5	209
SSSB25-40B	25	7.6	4" square	.188"	11"	10" - 12"	10.50"	3/4" x 30" x 3"	3.5	257
SSSB30-40B	30	9.1	4" square	.188"	11"	10" - 12"	10.50"	3/4" x 30" x 3"	3.5	304
SSSB16-50B	16	4.9	5" square	.188"	11"	10.25" - 13.25"	11.50"	1" x 36" x 4"	4.5	219
SSSB18-50B	18	5.5	5" square	.188"	11"	10.25" - 13.25"	11.50"	1" x 36" x 4"	4.5	243
SSSB20-50B	20	6.1	5" square	.188"	11"	10.25" - 13.25"	11.50"	1" x 36" x 4"	4.5	267
SSSB25-50B	25	7.6	5" square	.188"	11"	10.25" - 13.25"	11.50"	1" x 36" x 4"	4.5	327
SSSB30-50B	30	9.1	5" square	.188"	11"	10.25" - 13.25"	11.50"	1" x 36" x 4"	4.5	387
SSSB25-50C	25	7.6	5" square	.25"	11"	10.25" - 13.25"	11.50"	1" x 36" x 4"	4.5	427
SSSB30-50C	30	9.1	5" square	.25"	11"	10.25" - 13.25"	11.50"	1" x 36" x 4"	4.5	507
SSSB20-60B	20	6.1	6" square	.188"	12"	11.00" - 13.25"	12.25"	1" x 36" x 4"	4.5	329
SSSB25-60B	25	7.6	6" square	.188"	12"	11.00" - 13.25"	12.25"	1" x 36" x 4"	4.5	404
SSSB30-60B	30	9.1	6" square	.188"	12"	11.00" - 13.25"	12.25"	1" x 36" x 4"	4.5	479
SSSB35-60B	35	10.7	6" square	.188"	12"	11.00" - 13.25"	12.25"	1" x 36" x 4"	4.5	554
SSSB40-60B	40	12.2	6" square	.188"	12"	11.00" - 13.25"	12.25"	1" x 36" x 4"	4.5	629

- Notes:**
- Factory supplied template must be used when setting anchor bolts. Current will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template and anchor bolts.
 - For more information about pole vibration and vibration dampeners, please consult factory.
 - Unwrap poles immediately upon receipt to avoid condensation build up and possible corrosion.
 - There will be a weld witness mark on the side of the pole with the Factory installed VM2.

<p>EHH Extra handhole</p> <p>Provision for Grounding</p>	<p>C05 / C07 / C20 Coupling</p> <p>2" -11.5 NPSC Threads 3/4" - 14 NPSC Threads 1/2" - 14 NPSC Threads</p>	<p>VM1 1st mode vibration dampener</p> <p>Field Installed Pole Top dampener designed to reduce pole top deflection or sway. VM1 is recommended for pole systems 25' and taller with a total EPA of 1.0 or less.</p>	<p>VM2¹ 2nd mode vibration dampener</p> <p>Factory installed, internal dampener designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.</p>	<p>VM2SXX Field-installed 2nd mode vibration dampener</p> <p>VM2S08 - 8' VM2S12 - 12' VM2S16 - 16' VM2S20 - 20' VM2S24 - 24'</p> <p>Field installed, internal dampener designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.</p>
<p>GFI 20 Amp GCFI Receptacle & Cover</p>		<p>MPB Mid Pole Bracket</p>	<p>Option Orientation</p> <p>Follow the logic below when ordering location specific options. For each option, include its orientation (in degrees) and its height (in feet).</p> <p>Example: Option C05 should be ordered as: SSSB20-40A-TA-DBT-C05-0-15 (5' coupling on the handhole side of pole, 15' up from the pole base) 1' spacing required between option. Consult factory for other configurations.</p> <p>Height of option in feet</p>	

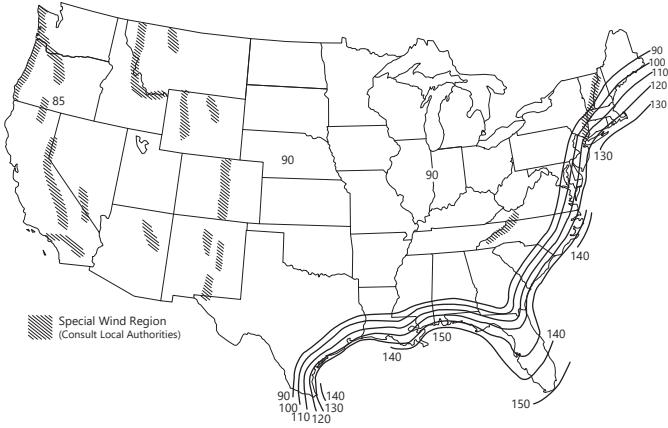
SSSB Series Poles

SQUARE STRAIGHT STEEL

DATE: _____ LOCATION: _____
 TYPE: SL PROJECT: _____
 CATALOG #: _____

WIND MAPS

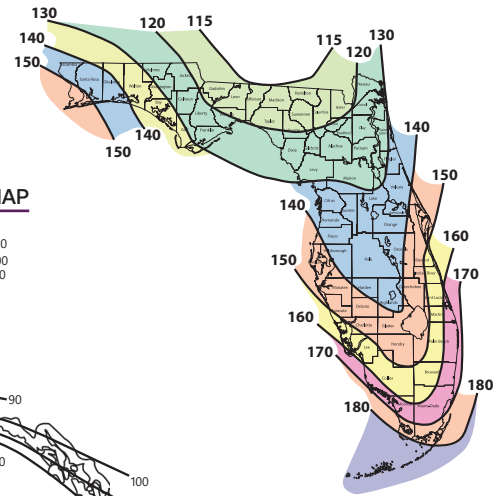
ASCE7-05 WIND MAP



HAWAII – 105 mph
 PUERTO RICO – 145 mph

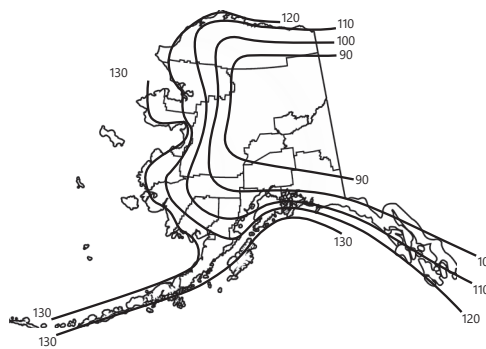
*Printed with permission from ASCE

FLORIDA REGION WIND MAP



Florida region wind map above is based upon 3-second gust winds and the 2017 Florida Building Code.

ALASKA REGION WIND MAP



ASCE 7-05 wind map EPA Load Rating - 3 second gust wind speeds (Use for all locations except Florida)										
Catalog Number	85	90	100	105	110	120	130	140	145	150
SSSB10-40A	25.0	25.0	25.0	22.8	20.6	17.0	14.2	11.9	11.0	10.1
SSSB12-40A	25.0	25.0	20.0	18.0	16.1	13.2	10.8	8.9	8.1	7.4
SSSB14-40A	23.1	20.4	16.1	14.3	12.8	10.2	8.2	6.6	5.9	5.3
SSSB16-40A	19.0	16.7	13.0	11.5	10.1	7.9	6.2	4.7	4.1	3.6
SSSB18-40A	15.6	13.6	10.0	9.0	7.8	5.9	4.4	3.1	2.6	2.1
SSSB20-40A	12.7	10.9	7.9	6.9	5.9	4.2	2.8	1.7	1.3	0.9
SSSB25-40A	7.3	5.9	3.8	2.9	2.1	0.8	NR	NR	NR	NR
SSSB14-40B	25.0	25.0	23.3	20.8	18.6	15.1	12.3	10.2	9.2	8.4
SSSB16-40B	25.0	24.9	19.4	17.3	15.4	12.3	9.9	8.0	7.2	6.4
SSSB18-40B	24.0	20.8	16.1	14.2	12.5	9.8	7.7	6.1	5.3	4.7
SSSB20-40B	20.2	17.5	13.2	11.6	10.1	7.7	5.9	4.4	3.8	3.2
SSSB25-40B	12.8	11.0	7.9	6.7	5.5	3.7	2.3	1.2	0.7	NR
SSSB30-40B	8.0	6.6	4.1	3.1	2.2	0.8	NR	NR	NR	NR
SSSB16-50B	25.0	25.0	25.0	25.0	24.8	20.1	16.5	13.6	12.3	11.2
SSSB18-50B	25.0	25.0	25.0	22.9	20.4	16.4	13.2	10.7	9.6	8.6
SSSB20-50B	25.0	25.0	21.3	18.9	16.7	13.2	10.4	8.1	7.2	6.3
SSSB25-50B	20.7	17.8	13.3	11.5	9.8	7.2	5.0	3.3	2.6	1.9
SSSB30-50B	13.5	11.3	7.7	6.2	4.9	2.8	1.1	NR	NR	NR
SSSB25-50C	25.0	25.0	19.4	17.1	15.1	11.7	9.0	6.9	6.0	5.1
SSSB30-50C	20.1	17.3	12.7	10.9	9.3	6.6	4.5	2.8	2.1	1.4
SSSB20-60B	25.0	25.0	25.0	25.0	25.0	20.2	16.1	12.9	11.5	10.3
SSSB25-60B	25.0	25.0	20.6	18.0	15.6	11.8	8.7	6.2	5.2	4.2
SSSB30-60B	21.4	18.1	12.9	10.7	8.8	5.7	3.3	1.3	NR	NR
SSSB35-60B	14.0	11.3	6.9	5.2	3.6	1.0	NR	NR	NR	NR
SSSB40-60B	8.1	5.8	2.2	nr	NR	NR	NR	NR	NR	NR

Florida Building Code 2017 EPA Load Rating - 3 second gust wind speeds (Use for Florida only)								
Catalog Number	115	120	130	140	150	160	170	180
SSSB10-40A	25.0	25.0	25.0	25.0	21.4	18.4	15.9	13.9
SSSB12-40A	25.0	25.0	23.6	19.8	16.7	14.2	12.1	10.4
SSSB14-40A	25.0	23.1	19.0	15.7	13.1	10.9	9.1	7.6
SSSB16-40A	20.8	18.7	15.2	12.3	10.1	8.2	6.7	5.4
SSSB18-40A	16.8	15.0	11.9	9.4	7.5	5.9	4.5	3.4
SSSB20-40A	13.6	11.9	9.2	7.1	5.3	3.9	2.7	1.7
SSSB25-40A	7.4	6.2	4.1	2.5	1.1	NR	NR	NR
SSSB14-40B	25.0	23.6	19.4	16.1	13.4	11.2	9.4	7.8
SSSB16-40B	21.4	19.2	15.6	12.7	10.4	8.5	6.9	5.6
SSSB18-40B	17.2	15.4	12.2	9.7	7.7	6.1	4.7	3.6
SSSB20-40B	13.9	12.3	9.5	7.3	5.5	4.1	2.9	1.9
SSSB25-40B	7.7	6.4	4.3	2.6	1.3	NR	NR	NR
SSSB30-40B	3.2	2.1	NR	NR	NR	NR	NR	NR
SSSB16-50B	25.0	25.0	25.0	25.0	25.0	21.4	18.2	15.5
SSSB18-50B	25.0	25.0	25.0	24.4	20.4	17.0	14.2	11.9
SSSB20-50B	25.0	25.0	24.4	19.9	16.3	13.4	11.0	8.9
SSSB25-50B	21.8	19.3	15.0	11.5	8.8	6.5	4.7	3.1
SSSB30-50B	13.7	11.7	8.2	5.5	3.3	1.5	NR	NR
SSSB25-50C	21.8	19.3	15.0	11.5	8.8	6.5	4.7	3.1
SSSB30-50C	13.7	11.7	8.2	5.5	3.3	1.5	NR	NR
SSSB20-60B	25.0	25.0	25.0	21.9	17.8	14.5	11.7	9.4
SSSB25-60B	23.8	20.9	16.1	12.3	9.2	6.6	4.5	2.8
SSSB30-60B	14.6	12.3	8.4	5.3	2.8	0.8	NR	NR
SSSB35-60B	7.5	5.6	2.4	NR	NR	NR	NR	NR
SSSB40-60B	1.8	NR	NR	NR	NR	NR	NR	NR



SSSB Series Poles

SQUARE STRAIGHT STEEL

DATE:	LOCATION:
TYPE: SL	PROJECT:
CATALOG #:	

NOTES

Wind-speed Website disclaimer:

Current has no connection to the linked website and makes no representations as to its accuracy. While the information presented on this third party website provides a useful starting point for analyzing wind conditions, Current has not verified any of the information on this third party website and assumes no responsibility or liability for its accuracy. The material presented in the windspeed website should not be used or relied upon for any specific application without competent examination and verification of its accuracy, suitability and applicability by engineers or other licensed professionals. Current does not intend that the use of this information replace the sound judgment of such competent professionals, having experience and knowledge in the field of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the results of the windspeed report provided by this website. Users of the information from this third party website assume all liability arising from such use. Use of the output of these referenced websites do not imply approval by the governing building code bodies responsible for building code approval and interpretation for the building site described by latitude/longitude location in the windspeed report. <http://windspeed.atcouncil.org>

- Allowable EPA, to determine max pole loading weight, multiply allowable EPA by 30 lbs.
- The tables for allowable pole EPA are based on the ASCE 7-05 Wind Map or the Florida Region Wind Map for the 2010 Florida Building Code. The Wind Maps are intended only as a general guide and cannot be used in conjunction with other maps. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application
- Allowable pole EPA for jobsite wind conditions must be equal to or greater than the total EPA for fixtures, arms, and accessories to be assembled to the pole. Responsibility lies with the specifier for correct pole selection. Installation of poles without luminaires or attachment of any unauthorized accessories to poles is discouraged and shall void the manufacturer's warranty
- Wind speeds and listed EPAs are for ground mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide; Consult local and federal standards
- Wind Induced Vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings. Consult Current Lighting's Pole Vibration Application Guide for environmental risk factors and design considerations.
- Extreme Wind Events like, Hurricanes, Typhoons, Cyclones, or Tornadoes may expose poles to flying debris, wind shear or other detrimental effects not included in wind velocity ratings

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 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



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

- 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
- Silicone Strike Optics (40, 80, 120, or 180 LED counts) maximize uniformity in applications and provides the highest LPW. These include an integral gasket allowing for IP66 rating. Catalog logic found on page 4.
- 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

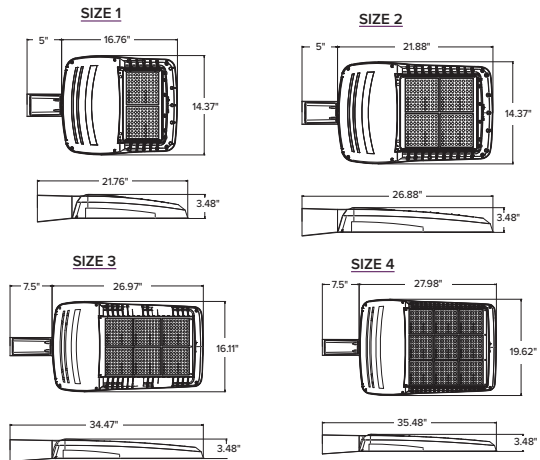
ELECTRICAL

- 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.

SILICONE STRIKE | 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 and Microstrike optics. Fixture is IP66 rated with Silicone 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](https://www.currentlighting.com/resources/america-solutions)).
- FCC CFR Title 47 Part 15, Class A
- IK10 (Silicone Strike Optics Only)

WARRANTY

- 5 year warranty



DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

VIPER Area/Site

VIPER LUMINAIRE

SILICONE STRIKE OPTIC – ORDERING GUIDE

Example: VP-SS-1-40L-75-4K7-4W-UNV-ASQU-BLT

CATALOG # _____

VP	Optic Platform	Size	Light Engine	CCT/CRI	Distribution	Optic Rotation	Voltage
VP Viper	SS Strike Silicone	1 Size 1	40L-35 35W, 5,500 Lumens 40L-50 50W, 7,500 Lumens 40L-65 65W, 10,000 Lumens 40L-80 80W, 12,500 Lumens 40L-100 100W, 15,000 Lumens 40L-120 120W, 17,500 Lumens 40L-140 140W, 20,000 Lumens 40L-170 170W, 22,500 Lumens 40L-195 195W, 25,000 Lumens	22K7 2200K, 70 CRI 27K7 2700K, 70 CRI 27K8 2700K, 80 CRI 3K7 3000K, 70 CRI 3K8 3000K, 80 CRI 35K8 3500K, 80 CRI 4K7 4000K, 70 CRI 4K8 4000K, 80 CRI	2 Type 2 3 Type 3 4W Type 4 Wide 4F Type 4 Forward 5QM Type 5 Square Medium 5QW Type 5 Square Wide	BLANK No Rotation L Optic rotation left R Optic rotation right	UNV 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V
		2 Size 2	80L-75 75W, 12,500 Lumens 80L-90 90W, 15,000 Lumens 80L-105 105W, 17,500 Lumens 80L-130 130W, 21,000 Lumens 80L-155 155W, 24,000 Lumens 80L-175 175W, 27,000 Lumens 80L-205 205W, 30,000 Lumens 80L-225 225W, 33,000 Lumens 80L-250 250W, 36,000 Lumens 80L-280 280W, 40,000 Lumens	5K7 5000K, 70 CRI 5K8 5000K, 80 CRI			
		3 Size 3	120L-190 190W, 30,000 Lumens 120L-205 205W, 33,000 Lumens 120L-230 230W, 36,000 Lumens 120L-265 265W, 40,000 Lumens 120L-295 295W, 44,000 Lumens 120L-320 320W, 48,000 Lumens 120L-355 355W, 52,000 Lumens 120L-380 380W, 55,000 Lumens 120L-420 420W, 60,000 Lumens				
		4 Size 4	180L-275 275W, 44,000 Lumens 180L-295 295W, 48,000 Lumens 180L-335 335W, 52,000 Lumens 180L-360 360W, 55,000 Lumens 180L-395 395W, 60,000 Lumens 180L-435 435W, 65,000 Lumens 180L-470 470W, 70,000 Lumens 180L-510 510W, 75,000 Lumens 180L-550 550W, 80,000 Lumens				

VIPER Area/Site

VIPER LUMINAIRE

SILICONE STRIKE OPTIC – ORDERING GUIDE (CONTINUED)

Mounting		Color		Options		Network Control Options	
A	Arm mount for square pole/flat surface	BLT	Black Matte Textured	BC	Backlight Control (3%)	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	MBC	Max Backlight Control (1.5%)	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	LCC	Left Corner Control	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	RCC	Right Corner Control	WIR	LightGRID+ In-Fixture Module ^{4,5}
AAU	Adjustable arm for pole mounting (universal drill pattern)	GTT	Graphite Matte Textured	F	Fusing	WIRSC	LightGRID+ Module and Occupancy Sensor ^{4,5}
AA_U	Adjustable arm mount for round pole ³	LGS	Light Grey Gloss Smooth	E	Battery Backup ^{1,2,7,8,9}	Stand Alone Sensors	
ADU	Decorative upswept Arm (universal drill pattern)	LGT	Light Grey Gloss Textured	2PF	Dual Power Feed	BTS-14F	Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens ¹³
AD_U	Decorative upswept arm mount for round pole ³	PSS	Platinum Silver Smooth	2DR	Dual Driver	BTS-40F	Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming® Photocell and 360° Lens ¹³
MAF	Mast arm fitter for 2-3/8" OD horizontal arm	WHT	White Matte Textured	TE	Toolless Entry	BTSO-12F	Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens ¹³
K	Knuckle	WHS	White Gloss Smooth	TB	Terminal Block	7PR	7-Pin Receptacle ⁴
T	Trunion	VGT	Verde Green Textured	CD	Customer Dimming	7PR-SC	7-Pin Receptacle with shunting cap ⁴
WB	Wall Bracket, horizontal tenon with MAF	CC	Custom Color	LS	Lumen Switch	7PR-TL	7-Pin PCR with photocontrol
WM	Wall mount bracket with decorative upswept arm					3PR	3-Pin twist lock ⁴
WA	Wall mount bracket with adjustable arm					3PR-SC	3-Pin receptacle with shunting 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

¹³ - BTSO and BTS are only compatible at 50W or greater.

VIPER Area/Site

VIPER LUMINAIRE

MICROSTRIKE OPTICS – ORDERING GUIDE

Gray Shading = Service Program Limit of 15 luminaires



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

CATALOG # _____

VP 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	2 Type 2 3 Type 3 4F Type 4 Forward 4W Type 4 Wide 5QW Type 5 Square Wide	BLANK No Rotation L Optic rotation left R Optic rotation right	UNV 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V
		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 (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	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	F Fusing 2PF Dual Power Feed 2DR Dual Driver TE Tooless Entry BC Backlight Control ⁸ TB Terminal Block CD Customer Dimming	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 7PR-TL 7-Pin PCR with photocontrol 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 ¹⁰ ADT AutoDim Time of Day Dimming ¹⁰

1 – Items with a grey background can be done as a custom order. Contact brand representative for more information
 2 – 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
 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.
 10 - Please refer to page 8 for AutoDim ordering guide

VIPER Area/Site

VIPER LUMINAIRE

STRIKE OPTIC – ORDERING GUIDE

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

CATALOG # _____

VP	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	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	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	UNV 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V
		2 Size 2	72L-115 15000 lumens 72L-145 18000 lumens 72L-180 21000 lumens 72L-210 24000 lumens 72L-240 27000 lumens				
		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				

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
CD	Customer Dimming

Network Control Options	
NXWS16F	NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{14,5}
NXWS40F	NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{14,5}
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
7PR-TL	7-Pin PCR with photocontrol
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 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

VIPER Area/Site

VIPER LUMINAIRE

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

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



VIPER Area/Site

VIPER LUMINAIRE

OUTDOOR LIGHTING CONTROLS OPTIONS CONTROLS FUNCTIONALITY LIGHT GRID+

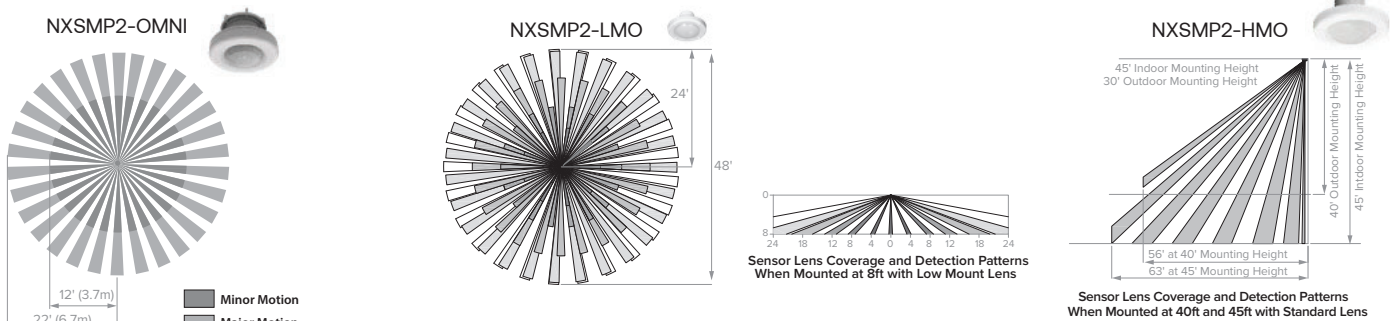
Control Option Ordering Logic & Description	Control Option Functionality										Control Option Components
	Networkable	Grouping	Scheduling	Occupancy/Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height		
NX Wireless NXOFM2-1RID-UNV NX 7-Pin Twist-Lock® with NX Networked Wireless Radio, Integral Automatic Dimming Photocell, Integral Single Pole Relay with Dimming, and Bluetooth Programming	✓	✓	✓	Paired with external control	✓	✓	✓	✓	-		NXOFM-1RID-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



VIPER Area/Site

VIPER LUMINAIRE

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

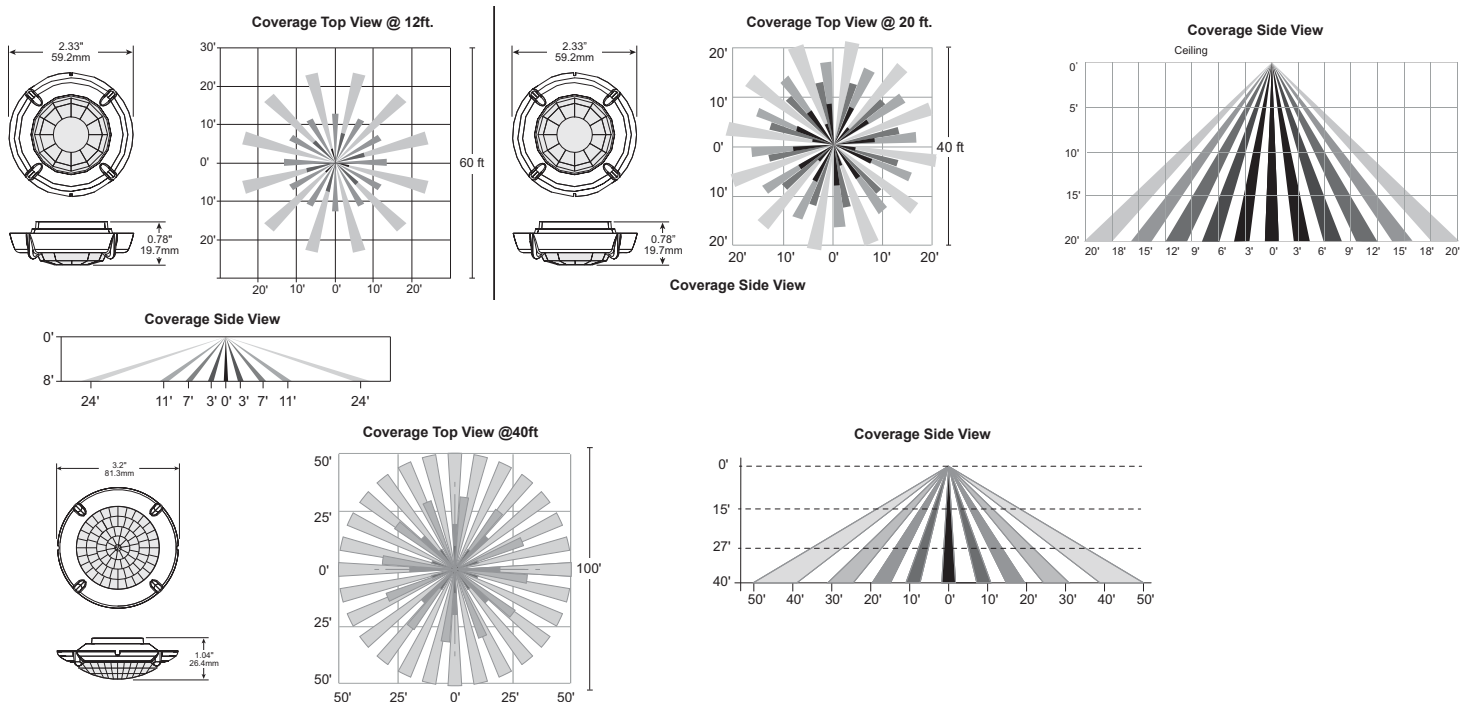


Google Play

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		
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

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			Micro Strike Lumen Multiplier				Strike Lumen Multiplier				Silicone Strike Lumen Multiplier			
Ambient Temperature		Lumen Multiplier	CCT	70 CRI	80 CRI	90 CRI	CCT	70 CRI	80 CRI	90 CRI	CCT	70 CRI	80 CRI	90 CRI
0°C	32°F	1.03	2700K	-	0.841	-	2700K	0.9	0.81	0.62	2200K	0.811	-	-
10°C	50°F	1.01	3000K	0.977	0.861	0.647	3000K	0.933	0.853	0.659	2700K	0.906	0.774	-
20°C	68°F	1.00	3500K	-	0.900	-	3500K	0.959	0.894	0.711	3000K	0.943	0.868	-
25°C	77°F	1.00	4000K	1	0.926	0.699	4000K	1	0.9	0.732	3500K	-	0.868	-
30°C	86°F	0.99	5000K	1	0.937	0.791	5000K	1	0.9	0.732	4000K	1	0.906	-
40°C	104°F	0.98	AP-Amber Phosphor Converted Multiplier				Monochromatic Amber Multiplier				5000K	1	0.906	-
			Amber	0.710			Amber	See Amber Spec Sheet						

VIPER Area/Site

VIPER LUMINAIRE

DATE:	LOCATION:
TYPE: SL	PROJECT:
CATALOG #:	

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

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

VIPER Area/Site

VIPER LUMINAIRE

ELECTRICAL DATA: SILICONE STRIKE

# OF LEDS	40								
NOMINAL WATTAGE (W)	35	55	65	80	100	120	140	170	195
SYSTEM POWER (W)	34.4	47.4	63.3	82.2	101.7	121.6	141.4	168.8	193.0
INPUT VOLTAGE (V)	CURRENT (A)								
120	0.29	0.40	0.53	0.69	0.85	1.01	1.18	1.41	1.61
208	0.17	0.23	0.30	0.40	0.49	0.58	0.68	0.81	0.93
240	0.14	0.20	0.26	0.34	0.42	0.51	0.59	0.70	0.80
277	0.12	0.17	0.23	0.30	0.37	0.44	0.51	0.61	0.70
347	0.10	0.14	0.18	0.24	0.29	0.35	0.41	0.49	0.56
480	0.07	0.10	0.13	0.17	0.21	0.25	0.29	0.35	0.40

# OF LEDS	80									
NOMINAL WATTAGE (W)	75	90	105	130	155	175	205	225	250	280
SYSTEM POWER (W)	74.0	87.0	105.3	131.9	153.5	175.4	203.4	226.1	249.0	281.0
INPUT VOLTAGE (V)	CURRENT (A)									
120	0.62	0.73	0.88	1.10	1.28	1.46	1.70	1.88	2.08	2.34
208	0.36	0.42	0.51	0.63	0.74	0.84	0.98	1.09	1.20	1.35
240	0.31	0.36	0.44	0.55	0.64	0.73	0.85	0.94	1.04	1.17
277	0.27	0.31	0.38	0.48	0.55	0.63	0.73	0.82	0.90	1.01
347	0.36	0.42	0.51	0.63	0.74	0.84	0.98	1.09	1.20	1.35
480	0.15	0.18	0.22	0.27	0.32	0.37	0.42	0.47	0.52	0.59

# OF LEDS	120									
NOMINAL WATTAGE (W)	190	205	230	265	295	320	355	380	420	
SYSTEM POWER (W)	189.8	206.0	230.3	263.2	296.5	322.0	356.3	382.3	421.6	
INPUT VOLTAGE (V)	CURRENT (A)									
120	1.58	1.72	1.92	2.19	2.47	2.68	2.97	3.19	3.51	
208	0.91	0.99	1.11	1.27	1.43	1.55	1.71	1.84	2.03	
240	0.79	0.86	0.96	1.10	1.24	1.34	1.48	1.59	1.76	
277	0.69	0.74	0.83	0.95	1.07	1.16	1.29	1.38	1.52	
347	0.55	0.59	0.66	0.76	0.85	0.93	1.03	1.10	1.21	
480	0.40	0.43	0.48	0.55	0.62	0.67	0.74	0.80	0.88	

# OF LEDS	180									
NOMINAL WATTAGE (W)	275	295	335	360	395	435	470	510	550	
SYSTEM POWER (W)	272.7	296.8	333.2	357.8	394.7	432.4	470.2	508.7	547.4	
INPUT VOLTAGE (V)	CURRENT (A)									
120	2.27	2.47	2.78	2.98	3.29	3.60	3.92	4.24	4.56	
208	1.31	1.43	1.60	1.72	1.90	2.08	2.26	2.45	2.63	
240	1.14	1.24	1.39	1.49	1.64	1.80	1.96	2.12	2.28	
277	0.98	1.07	1.20	1.29	1.42	1.56	1.70	1.84	1.98	
347	0.79	0.86	0.96	1.03	1.14	1.25	1.36	1.47	1.58	
480	0.57	0.62	0.69	0.75	0.82	0.90	0.98	1.06	1.14	

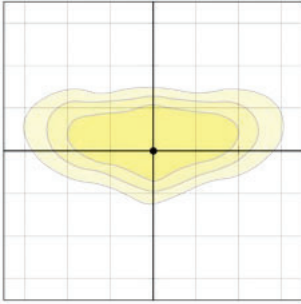
VIPER Area/Site

VIPER LUMINAIRE

SILICONE OPTIC STRIKE PHOTOMETRY

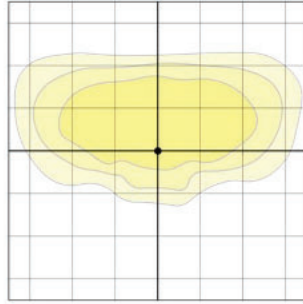
The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

Type 2



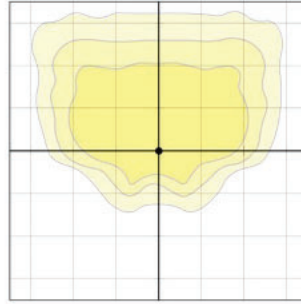
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Type 3



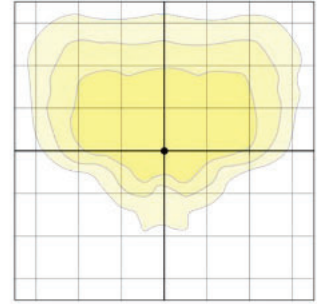
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Type 4 Forward



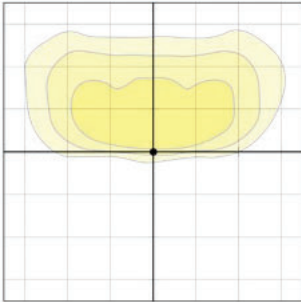
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Type 4 Wide



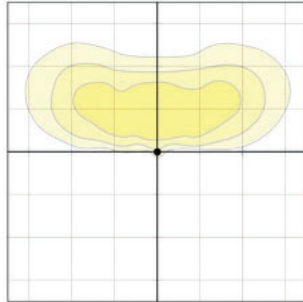
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Type 4WBC



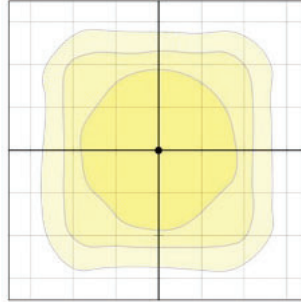
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Type 4WMBC



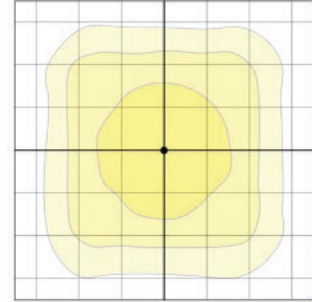
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Type 5QM



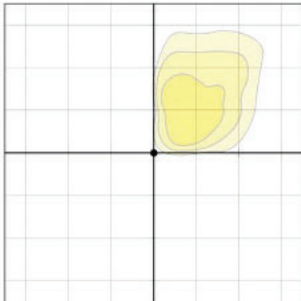
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Type 5QW



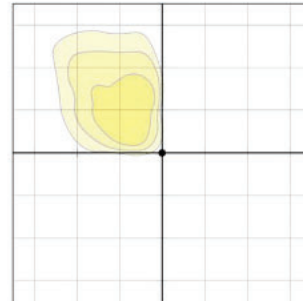
Mounting Height: 20 ft
Scale: 1 inch = 25 ft

Type LCC



Mounting Height: 20 ft
Scale: 1 inch = 25 ft

Type RCC



Mounting Height: 20 ft
Scale: 1 inch = 25 ft

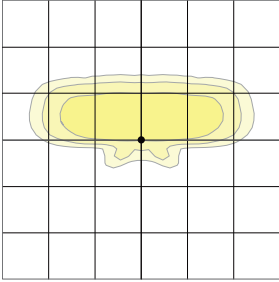
VIPER Area/Site

VIPER LUMINAIRE

MICRO STRIKE PHOTOMETRY

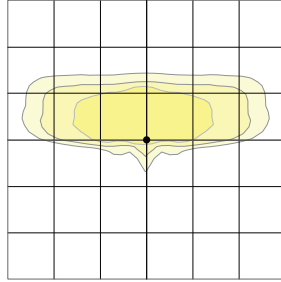
The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

Type 2



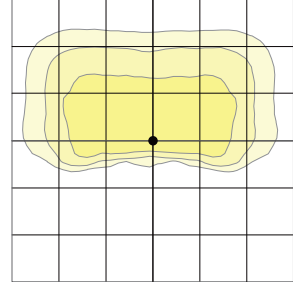
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Type 3



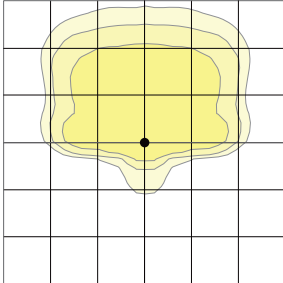
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Type 4 Wide



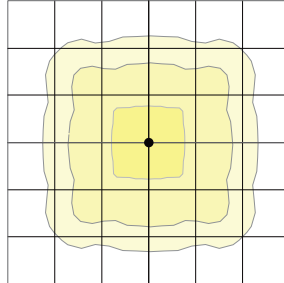
Mounting Height: 20 ft
Scale: 1 inch = 20 ft

Type 4F



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

Type 5QW



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

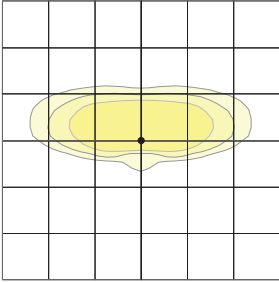
VIPER Area/Site

VIPER LUMINAIRE

OPTIC STRIKE PHOTOMETRY

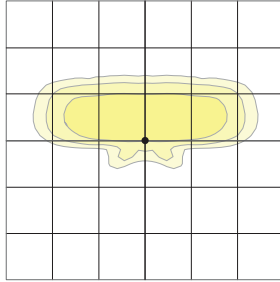
The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

Type FR – Front Row/Auto Optic



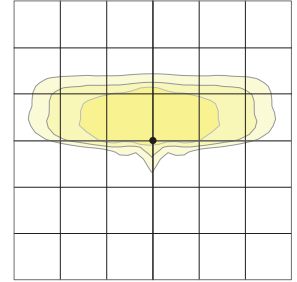
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Type 2



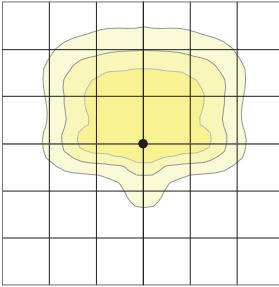
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Type 3



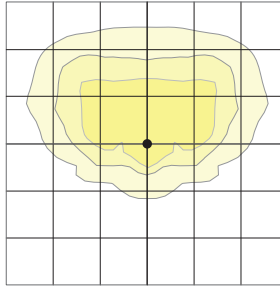
Mounting Height: 20 ft
Scale: 1 inch = 20 ft

Type 4 Forward



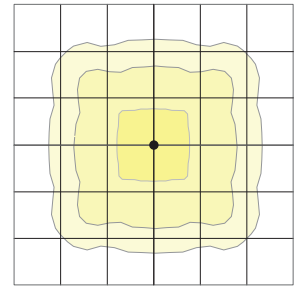
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Scale: 1 inch = 20 ft

Type 4 Wide



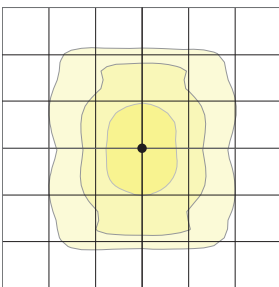
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Scale: 1 inch = 20 ft

Type 5QM



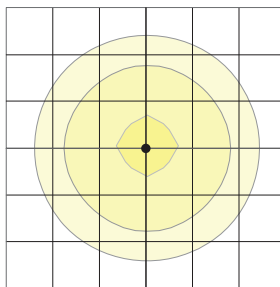
Mounting Height: 20 ft
Scale: 1 inch = 20 ft

Type 5RW (rectangular)



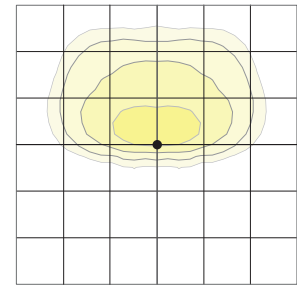
Mounting Height: 20 ft
Scale: 1 inch = 20 ft

Type 5W (round wide)



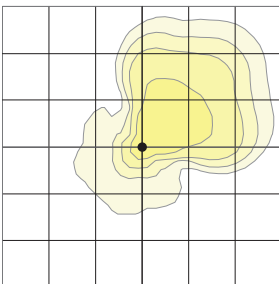
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Scale: 1 inch = 20 ft

Type TC



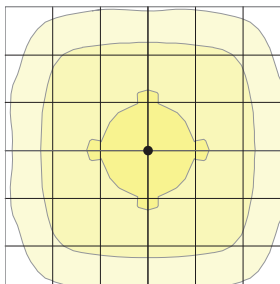
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Type Corner



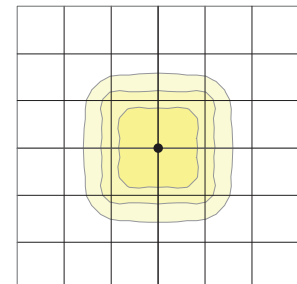
Mounting Height: 20 ft
Scale: 1 inch = 20 ft

Type 5QW



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

Type 5QN



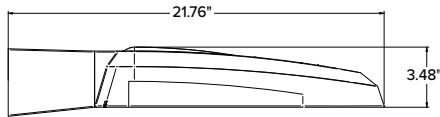
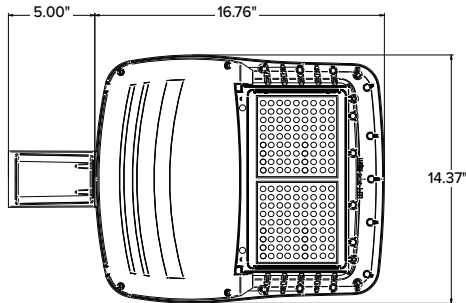
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Scale: 1 inch = 20 ft

VIPER Area/Site

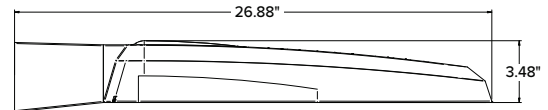
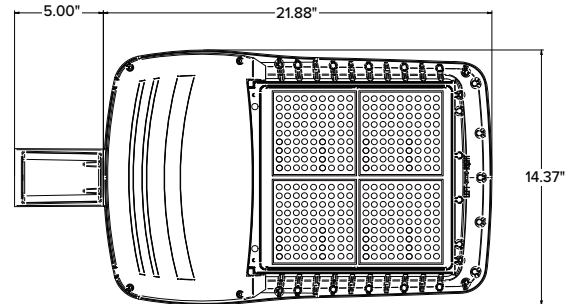
VIPER LUMINAIRE

DIMENSIONS

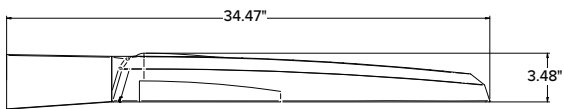
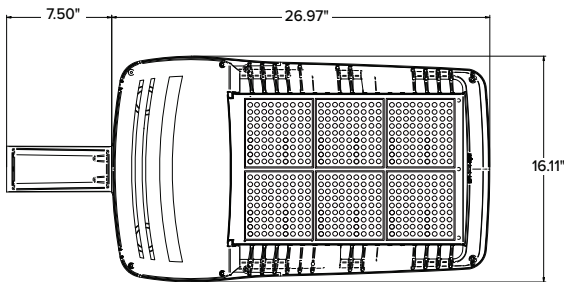
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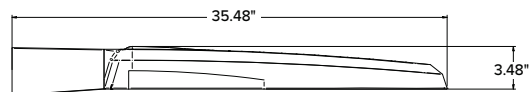
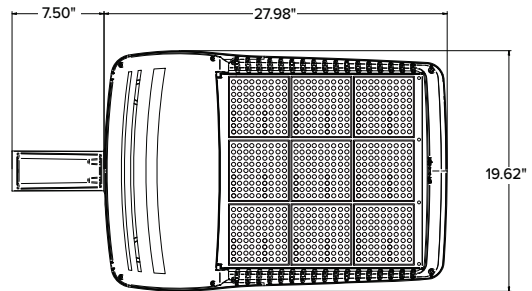
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


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

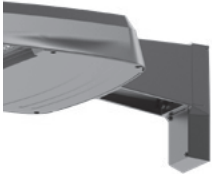
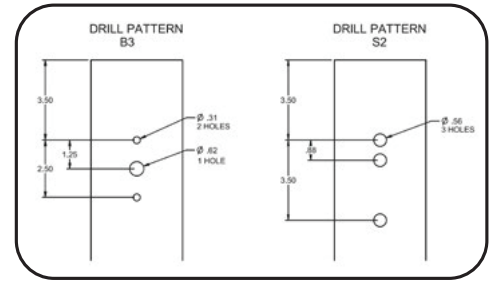
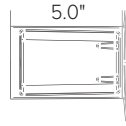
VIPER LUMINAIRE

MOUNTING



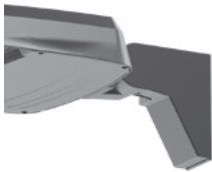
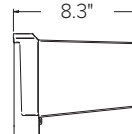
A-STRAIGHT ARM MOUNT

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)



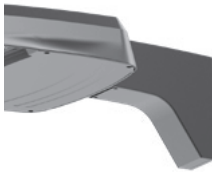
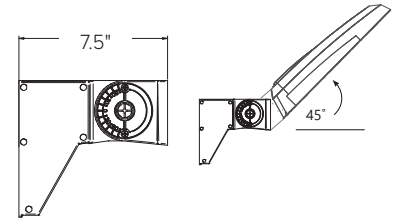
ASQU-UNIVERSAL ARM MOUNT

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)



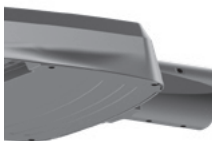
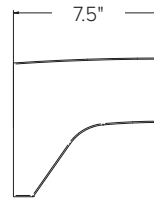
AAU-ADJUSTABLE ARM FOR POLE MOUNTING

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.



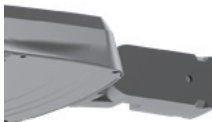
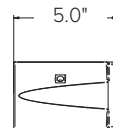
ADU-DECORATIVE UPSWEPT ARM

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).



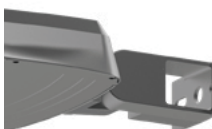
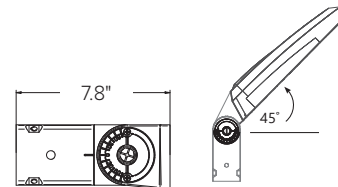
MAF-MAST ARM FITTER

Fits 2-3/8" OD horizontal tenons.



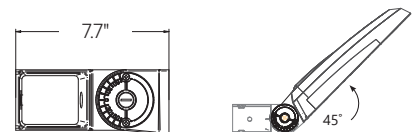
K-KNUCKLE

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.



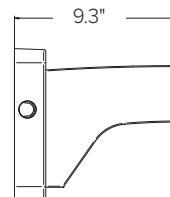
T-TRUNNION

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

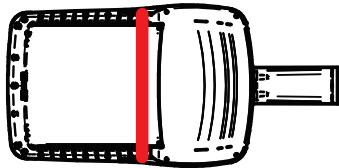
ADDITIONAL INFORMATION (CONTINUED)

HOUSE SIDE SHIELD FIELD INSTALL ACCESSORIES

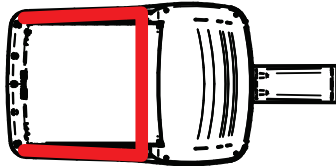
HSS has a depth of 5" for all Viper sizes

Not to be used with Occupancy Sensors as the shield may block the light to the sensor.

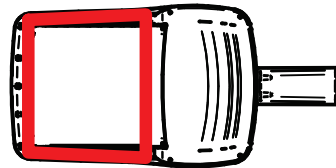
VPR2x HSS-90-B-xx



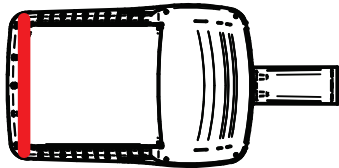
VPR2x HSS-270-BSS-xx



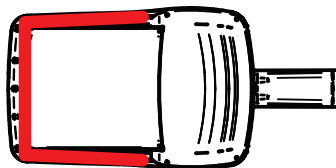
VPR2x HSS-360-xx



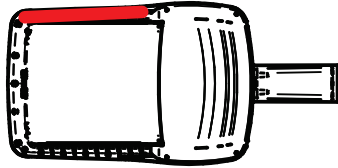
VPR2x HSS-90-F-xx



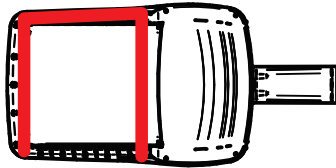
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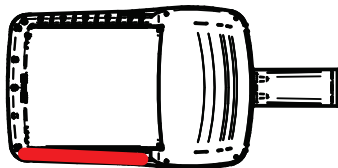
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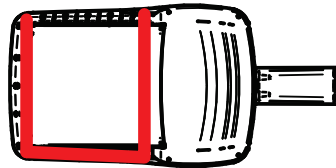
VPR2x HSS-270-FSB-xx



VPR2x HSS-90-S-xx



VPR2x HSS-270-FSB-xx



LSQ SERIES

LUMASQUARE

FEATURES

- Available in two sizes and four outputs up to 9,000 lumens
- A specially designed vandal resistant polycarbonate lens provides ultimate glare control which “softens” the light for no pixilation and unprecedented visual comfort
- Seamless retrofit solution for traditional HID sources up to 250W
- Wireless control, motion sensor, photocontrol and emergency battery back-up capability
- Available in 3000K, 4000K and 5000K nominal CCT



SPECIFICATIONS

CONSTRUCTION

- Rugged die-cast aluminum housing with corrosion resistant powder coat finish both protects and provides architectural appearance
- Heat dissipating fins provide superior thermal performance extending the life of the electronic components

OPTICS

- 3000K, 4000K and 5000K CCT nominal with 70 CRI
- Impact resistant polycarbonate diffuser
- Low luminance soft glow lens provides blended
- Non pixilated light for unprecedented visual comfort

INSTALLATION

- Mounts to 4" junction box and includes a gasket to seal electrical connections
- Mounting plate and hook on fixture allow easy 4 step installation and wiring
- Four ½" threaded conduit hubs for surface conduit provided

ELECTRICAL

- 20–277V, 50/60Hz electronic drivers
- 347V and 480V available in larger LSQ2 housing
- 10kA surge protection available as an option

CONTROLS

- Button photocontrol for dusk to dawn energy savings
- Stock versions include 120V–277V PC with a cover which provides a choice to engage photocontrol or not PC is installed in top hub
- Occupancy sensor available for on/off and dimming control in larger LSQ1 and LSQ2 housing
- Battery backup options available in larger LSQ2 housing rated for either 0°C or -30°C
- Performance exceeds NEC requirement providing 1 fc minimum over 10'x10' at 11' mounting height
- 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

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.

CERTIFICATIONS (CONTINUED)

- 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 (<https://www.currentlighting.com/resources/americasolutions>)
- Listed to UL1598 for use in wet location, listed for -40°C to 40°C applications
- Non-IC rated
- IP65

WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	3055–9431
Wattage Range	24–74
Efficacy Range (LPW)	117–133
Fixture Projected Life (Hours)	L70>185K
Weights lbs. (kg)	13.5–24 (6.1–10.9)

LSQ SERIES

LUMASQUARE

ORDERING GUIDE

Example: LSQ1-25-4K7-UNV-DBT-PCU

CATALOG # _____

Family	CCT/CRI	Voltage	Color/Finish	Control Options	Options
LSQ1-25 Size 1, 25w / 3,000lm	3K7 3000K, 70CRI	UNV 120V-277V	BLT Black Matte Textured	PCU Button Photocontrol (120-277V)	E Battery Backup Unit (0°C) ^{1,5}
LSQ1-40 Size 1, 40w / 4,500lm	4K7 4000K, 70CRI	120 120V	BLS Black Gloss Smooth	SCP Sensor Control, Programmable (Dim) ^{2,3}	EH Battery Backup Unit (-30°C) ^{1,5}
LSQ2-55 Size 2, 55w / 7,000lm	5K7 5000K, 70CRI	208 208V	DBT Dark Bronze Matte Textured	Specify MTG HT for SCP	
LSQ2-70 Size 2, 75w / 9,000lm		240 240V	DBS Dark Brone Gloss Smooth	8F Up to 8ft mounting height	F Fusing (voltage specific) ⁴
		277 277V	GTT Graphite Matte Textured	20F Up to 20ft mounting height	2DR Dual Drivers ¹
		UHV 347/480	LGS Light Grey Gloss Smooth		2PF Dual Power Feed ^{1,4}
			PSS Platinum Silver Smooth		SPC Polycarbonate Vandal Shield
			WHT White Matte Textured		SP 10 kA Surge Protection
			WHS White Gloss Smooth		
			VGT Verde Green Textured		
			Color Option		
			CC Custom Color		

Notes:

- 1 Available in LSQ2-55 and LSQ2-70 only
- 2 Available in 120V-277V only
- 3 Must order minimum of one remote control (SCP-REMOTE) to program dimming settings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings (120-277V only)
- 4 Comes with Dual Driver (2DR) option
- 5 Must specify voltage, 120 or 277V only

ACCESSORIES

Catalog Number	Description
<input type="checkbox"/> SCP-REMOTE	Remote control for SCP option. Order a minimum of one per project to program and control fixtures

PERFORMANCE DATA

Catalog number	# of LEDs	Drive Current	System Watts	Distribution	5K (5000K nominal, 70 CRI)					4K (4000K nominal, 70 CRI)					3K (3000K nominal, 80 CRI)				
					Lumens	LPW ¹	B	U	G	Lumens	LPW ¹	B	U	G	Lumens	LPW ¹	B	U	G
LSQ1	176	43mA	24.3	V	3181	131	2	3	2	3170	131	2	3	2	3055	126	2	3	2
		65mA	38.1	V	4626	121	2	3	2	4610	121	2	3	2	4443	117	2	3	2
LSQ2	352	43mA	54.6	V	7246	133	2	3	2	7221	132	2	3	2	6959	127	2	3	2
		65mA	73.5	V	9431	128	2	3	2	9398	128	2	3	2	9057	123	2	3	2

¹ Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

ELECTRICAL DATA

Catalog number	# of Drivers	Input Voltage	Current (Amps)	System Power
LSQ1-25	1	120	0.21	25.7
		277	0.09	
LSQ1-40		120	0.31	37.0
		277	0.13	
LSQ2-55	1	120	0.43	51.3
		277	0.19	
LSQ2-70		120	0.60	71.8
		277	0.26	

PROJECTED LUMEN MAINTENANCE

Ambient Temp.	OPERATING HOURS					L70 (hours)
	0	25,000	TM-21-111 36,000	50,000	100,000	
25°C / 77°F	1.00	0.95	0.93	0.91	0.83	>185,000
40°C / 104°F	0.97	0.92	0.90	0.88	0.80	>170,000

Projected per IESNA TM-21-11 * (Nichia 219B, 700mA, 85°C Ts, 10,000hrs) Data references the extrapolated performance projections for the LNC-12LU-5K base model in a 40°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

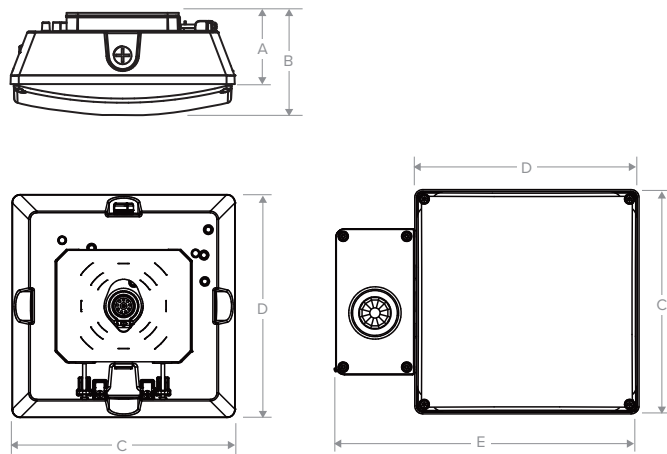
LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

AMBIENT TEMPERATURE		LUMEN MULTIPLIER
0° C	32° F	1.03
10° C	50° F	1.02
20° C	68° F	1.01
25° C	77° F	1.00
30° C	86° F	0.99
40° C	104° F	0.97
50° C	122° F	0.96

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

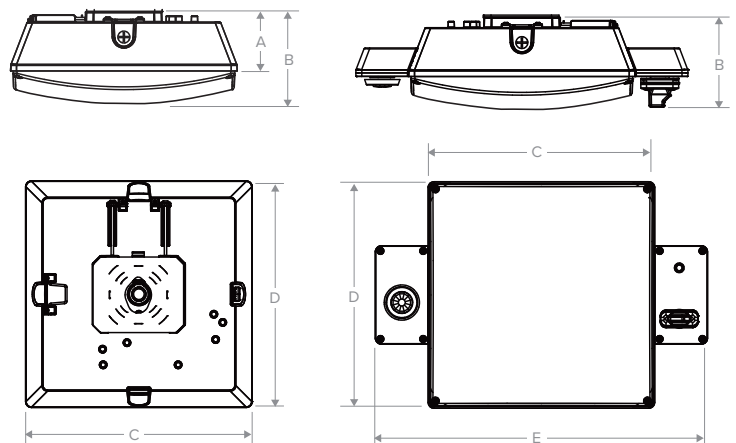
DIMENSIONS

LSQ1



A	B	C	D	E	Weight
3.0"	4.0"	10.0"	10.0"	13.5"	10 lbs.
76.2 mm	101.6 mm	254 mm	254 mm	343 mm	4.5 kg

LSQ2



A	B	C	D	E	Weight
4.0"	6.0"	14.8"	14.8"	21.9"	15.5 lbs.
101.6 mm	152.4 mm	375 mm	375 mm	556 mm	7.0 kg

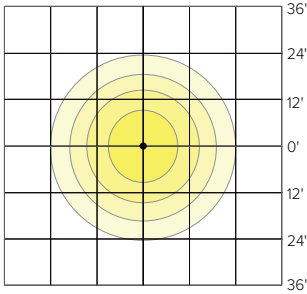
LSQ SERIES

LUMASQUARE

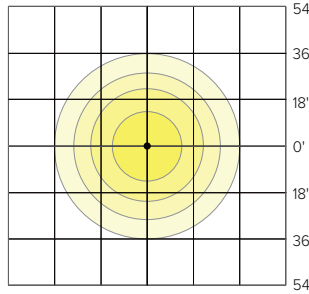
PHOTOMETRY

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

LSQ1 – Mounting Height: 12ft



LSQ2 – Mounting Height: 18ft

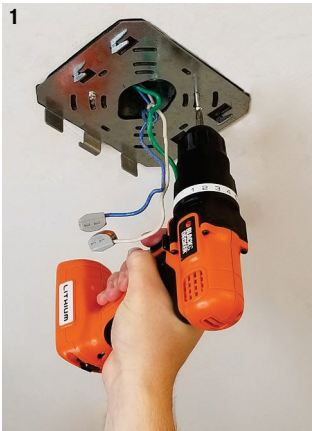


ADDITIONAL INFORMATION

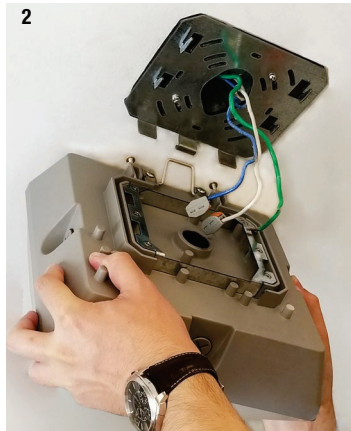
SHIPPING INFORMATION

Catalog Number	G.W(kg)/CTN	Carton Dimensions			Carton Qty. per Master Pack
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)	
LSQ1	10lbs (4.5 kg)	9.5 (24)	8.25 (21)	5.25 (13.32)	6
LSQ2	15.5lbs (7 kg)	14 (35.5)	11.5 (29.2)	8 (20.3)	2

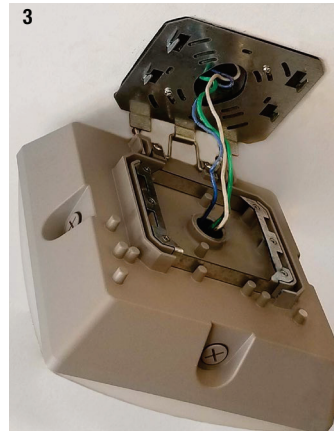
INSTALLATION



1 Mount plate to junction box.



2 Hang fixture on mounting plate with provided integral hook.



3 Complete wiring connections.



4 Two mounting screws close and secure fixture to the mounting bracket.