VISIONAIRE
LIGHTING

Automotive
Dealership
Lighting

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Leaders in LED Technology

Visionaire Lighting is an industry leader with more than 15 years of experience transforming automotive dealerships with high-performance lighting design, one-of-a-kind optics, and modern energy saving LED technology. Visionaire fixtures feature cutting edge LED optics specifically designed for dealership lighting. Whether designing a custom retrofit project or managing new construction, Visionaire Lighting provides state-of-the-art technology and architectural styling for reliable results and superior customer satisfaction.

Visionaire Lighting manufacturers specification-grade LED outdoor lighting fixtures & poles. We specialize in Automotive Dealership Lighting, and have unique patented optical systems that are designed exclusively for the Automotive Dealership Market. Visionaire is always advancing its LED technology, and has enhanced capabilities in design, testing, manufacturing, and quality assurance.

Visionaire Lighting's Design and Applications Department utilizes cutting edge technology to provide our customers with complete engineering assistance and site-specific photometrics to layout your site perfectly and ensure complete satisfaction.

Please visit **www.visionairelighting.com** for an overview of our complete line of outdoor lighting products.

03.02.18

VLX LED Luminaire

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Project: Chino Hills Ford
VLX LED Luminaire

Case Study
Increased Light Levels & Uniformity

Project Description

In late 2014, The Chino Hills Ford dealership had just finished a major repositioning and facelift managed by Sauers Lopez Construction (SLC). SLC turned to Visionaire Lighting to perform an evaluation of the site lighting and recommend solutions to both modernize the site lighting and reduce the customer's operating costs.

"Visionaire was with us through the entire process. Their product allowed us to significantly reduce the total fixture quantity all while improving the overall site lighting quality. This reduction in fixtures and improved technology really drove the project financially. The customer saved money and procured a significant rebate to make the investment a win-win" said Clark Longhurst, President of Monterey Energy Inc.

Summary

- VLX fixtures
- Replaced 151 fixtures total
- 42% overall fixture count reduction

Benefits

- 78% reduction in lighting energy costs
- $2,500.00 in reduced annual maintenance costs
- $42,100.00 – rebate received from utility
- 62.3% - customer's return on investment (ROI)
- $628,629.00 – 10 year cash flow improvement
- 428 tons of CO_2 reduced, enough to power 47 homes annually

Project: Duval Acura
BLX-III LED Luminaire

Case Study
Incentive & Lighting Upgrade

Project Description
Duval Acura was looking for a lighting upgrade to help them stand out, cut down on energy and draw in more clientele. After evaluation we knew just the cost effective solution that would return their ROI in energy savings and convert to higher sales.

Duval Acura changed out a total of 220 1000W HID fixtures and 32 400W floods. Using one of our highest performing and energy efficient LED luminaires, the BLX-III, we were able to replace quads with doubles and doubles with singles cutting down overall fixture count by 57% and the wattage by 74%. Duval Acura received a rebate of $26,000 reducing cost and resulting in better lighting, more sales and reduced annual energy.

Summary
- Replaced with BLX-III fixtures
- 55% fixture count reduction
- Reduced wattage by 74%

Benefits
- $26,000 JEA rebate
- Brighter lumen package
- Annual increase in sales

Project: Morton Grove Audi
VLX LED Luminaire

Case Study
Maintenance & Incentive

Project Description
When buying a car at McGrath Audi; a premier dealership in Chicago, not only are you buying excellence in a car, you are visiting a pristine automotive dealership. When renovating their lot, McGrath needed an LED fixture that was as aesthetically pleasing as the cars it was showing off. And of course the best fixture for the Job was our VLX.

McGrath changed out 101 fixtures from 1000 Watt Pulse Start, to 359 Watt Led Fixtures that included wireless controls, saving them 721 Watts per fixture. This 66% power reduction qualified McGrath for an utility incentive return of $36,360 in total. Now, this product gives more light with less power as well as saving thousands of dollars in maintenance spending.

Summary
- VLX fixtures
- Replaced 101 fixtures total
- Replaced 1000 watt fixture with 359 watt LED fixtures

Benefits
- $36,360 incentive return for power reduction
- Wireless controls for added control and savings
- Now saving thousands of dollars annually on maintenance

Project: Oxnard Lexus
BLX-III LED Luminaire

Case Study
Incentive & Lighting Upgrade

Project Description

On a street strewn with dealerships, Oxnard Lexus wanted a fixture that would help them stand out among the rest. Not only did they want to look brighter and newer, they wanted to save energy while also qualify for the utilities incentive program. Worried about sacrificing light for energy savings, they came to us with questions. We answered with the BLX-III.

In total 81 fixtures were changed. Replacing 1000 Watt HID fixtures with 614 Watt LED fixtures on the sales lot, and 444 Watt LED fixtures on the service lot. In doing so, Oxnard Lexus qualified for over $20,000 in utility incentive rebates. In addition they are now saving an estimated $37,672.56 annually in energy spending as well as thousands of dollars in maintenance.
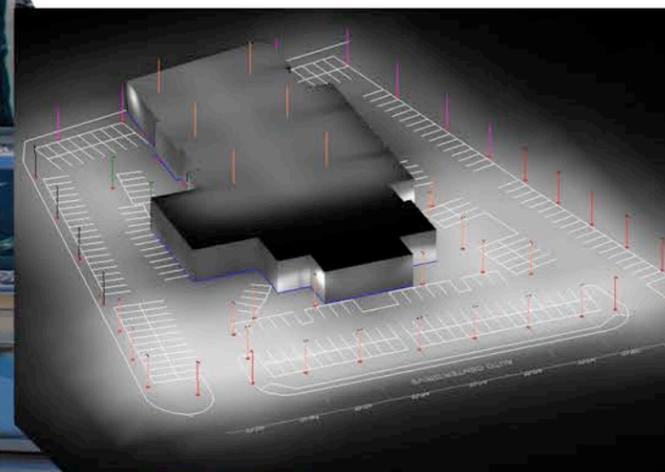

Summary

- BLX-III Fixtures
- Replaced 81 fixtures
- Replaced 1000 watt HID with 614 watt & 444 watt LED fixtures

Benefits

- Over $20,000 in utility incentive rebates
- Almost $38,000 in annual energy spending
- Thousands saved in annual maintenance

Project: Elgin Honda
VLX LED Luminaire

Case Study
New Construction

Project Description
Elgin Honda of Illinois being new construction had a plethora of options when designing their lot. After deciding how the lot would be laid out, Elgin came to us wanting the most light with the least amount of fixtures, while still being able to emit the necessary lumens during the snowy weather months. They wanted to maximize efficiency, leave more space for their large inventory of cars, while being able to control the light during bad weather so they could always be seen from the road.

Our internal team of photometric specialist's was able to design a lot tailored to do just this using our VLX. Using our patented optics we were able to cut out almost half of the fixtures Elgin thought they would need with HID lighting. The layout offered them the fewest fixtures while giving them an immensely large Lumen output, while also working with our controls team to design controls for greater adjust-ability. Now, come rain, snow or nightfall, Elgin Honda now has the power to be seen at all times of the day as well as all times of the year.

Summary
- VLX fixtures
- 101 LED fixtures under 350 watts
- Wireless controls

Benefits
- Half as many fixtures for more lumens
- Initial installation savings
- Maintenance & power savings
- Wireless controls make bad weather less significant on sales

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Project: Devoe Subaru & Buick

BLX-III LED Luminaire

Case Study
Lighting Upgrade

Project Description

In deciding what lights should replace their existing HID fixtures, Devoe Subaru & Buick knew they had to find the best of the best. Located right in the heart of one of the most expensive cities in the United States, they know extra effort is required to attract attention to their lot. Being ahead of the curve was important to them, and we provided them with our newest and brightest fixture to hit the market, our BLX-III.

Replacing old 1000 Watt HID fixtures, with 564 Watt LED BLX-III fixtures we were able to give them a significantly brighter lot, while also reducing their power consumption by almost 50%. Although initially Devoe wasn't concerned with cost, they were able to achieve higher lumens than were expected with a fraction of the operational power previously consumed on the lot.

Summary

- BLX fixtures
- Replaced 56 fixtures
- Replaced 1000 watt HID with 564 watt LED

Benefits

- Brighter lumen package
- 47% drop in power consumption annually
- Annual sales increase since BLX installation

Case Study
Maintenance & Incentive

Project Description

Acura is among the top three rated cars in consumer reports. When renovating their lot, Morton Grove knew they needed a fixture that competed just as highly in the outdoor lighting world as their cars did in the automotive world. They knew when replacing the lights in their lot, the fixtures chosen needed to ensure that the Acuras on their lot looked a cut above the rest, while having the ability to be more energy efficient as well. After being introduced to our very sleek, energy efficient yet very powerful VLX, the choice was clear.

Replacing 72 fixtures that were previously 1000 Watt Pulse Start with new 359 Watt LED VLX fixtures, we were able to reduce their wattage usage by 721 Watts per fixture. This equates to a 66% energy savings overall. Such high-energy savings combined with added wireless controls, Morton Grove was able to qualify for a utilities incentive return of over $24,000. Morton Grove saved money and energy while still creating a beautifully lit lot that helps the newly waxed cars shine that much brighter.
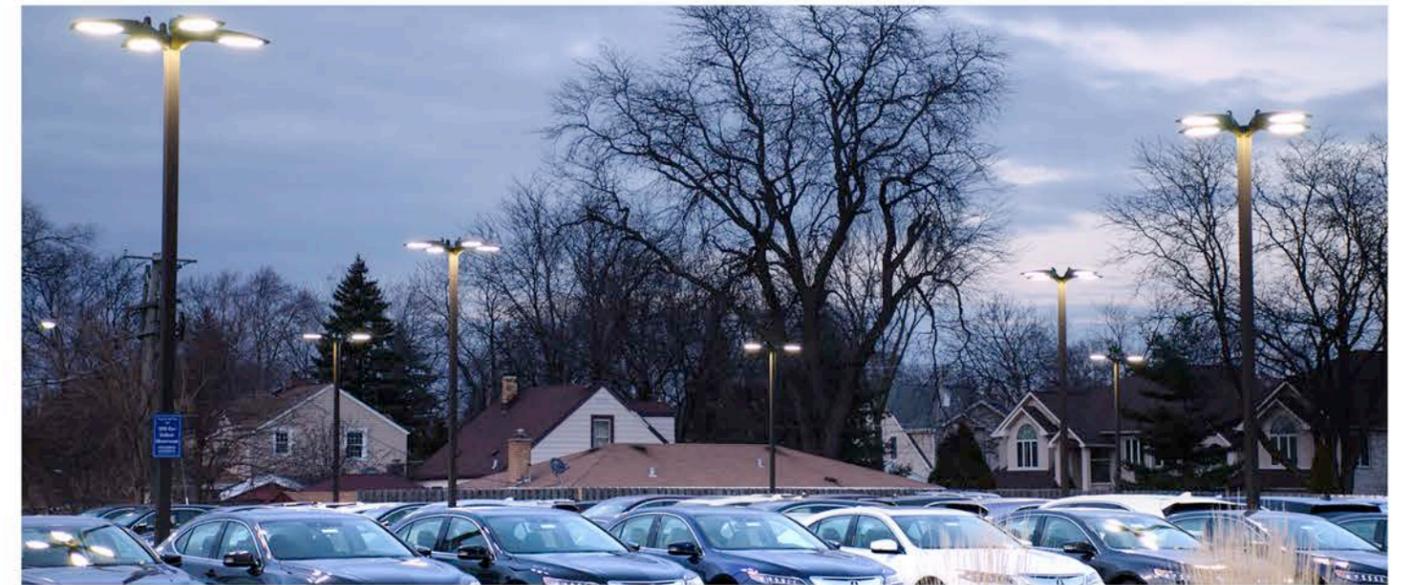
Summary

- VLX fixtures
- Replaced 72 fixtures
- Replaced 1000W pulse start with 359W LED fixtures

Benefits

- Over $24,000 in utility rebates
- Reduced energy usage by 66%
- Wireless controls give more lighting control

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VLX-XL Array
LED Luminaire

The new **VLX-XL Array LED** Series offers clean, functional styling that is defined by its sleek low profile design and rugged construction. It combines LED performance and advanced LED thermal management technology and provides outdoor lighting that is both energy efficient and aesthetically pleasing.

The **VLX-XL Array LED** Series is destined to become the standard for which LED area lights are measured. Simple flowing lines that house scalable LEDs that replace traditional HID fixtures for a wide range of lighting applications. From shopping centers to auto dealerships to general parking lots to roadways the VLX-XL Array LED series is the transition of LED lighting into tomorrow.

Key Features:

- Die cast aluminum housing
- Separate driver compartment
- Ten specification-grade optics
- 3000K CCT, 4000K CCT and 5000K CCT
- 51,000 – 95,000+ Lumen package
- 120- 277 UNV Voltage Drivers, 347 & 480 Voltage Drivers
- 410 – 680 Wattage range
- Twist Lock Photocell and Receptacles
- Title 24 Compliant Motion Sensor
- 0-10V Dimming Driver
- Visionaire Wireless Controls
- Cut-off Shielding

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VLX-XL Array LED Specifications

Project Name:

Catalog Number:

Type:

The new **VLX-XL Array LED** Series offers clean, functional styling that is defined by its sleek low profile design and rugged construction. It combines the latest LED Array technology, advanced LED thermal management and provides outdoor lighting that is both energy efficient and aesthetically pleasing.

The LED Arrays performance and the driver's life are maximized by enclosing them in two separate die cast aluminum housings. Easy access for mounting and maintenance.

The VLX-XL Array LED fixture is offered with lumen packages ranging from 55,000 - 90,000. Choose between 3000, 4000 or 5000 Kelvin temperature of the LEDs.

A durable polyester powder coat finish is guaranteed for five years; and is available in standard or custom colors.

The **VLX-XL Array LED** series is an exceptional choice for commercial parking lots, office complexes, architectural projects, and other general lighting projects.

Ordering Information

MODEL	OPTICS	LUMENS	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS	OPTIONS
VLX-XL	**T1** Type 1	**55L**	**3K** 3000K	**UNV** 120-277V	**AM** Arm Mount	**BZ** Bronze	**PCR-120** **PCR-208** **PCR-240**	**RPP** Round Pole Plate Adaptor - For 3-5"Ø Pole
	T2 Type 2	**60L**		**8** 347V	Round Pole Plate Adaptors (RPP) are to be ordered separately.	**BK** Black	**PCR-277** **PCR-347**	**ROT-R** Rotated Optics Right Side
	T3 Type 3	**70L**	**4K** 4000K			**SBK** Smooth Black	**PCR-480** Photocell & Receptacle	**ROT-L** Rotated Optics Left Side
	T3L Type 3 Long	**80L**	**5K** 5000K	**5** 480V		**WH** White	**PER**	
	T4 Type 4	**90L**				**SWH** Smooth White	**5PINPER** **7PINPER** 3, 5, or 7 Pin Photo Receptacle w/shorting cap *Requires Dimming Driver*	**HS** House Side Shield
	T4L Type 4 Long					**GP** Graphite		**VWC** Visionaire Wireless Controls *Consult Factory*
	T4A Type 4 Automotive					**GY** Grey	**WSC-8** Motion Sensor 8' Mounting Height	
	T5SR Type 5 Short Round					**SL** Silver Metallic	**WSC-20** Motion Sensor 9-20' Mounting Height	**BAWP-XL** Bolt-on Wall Plate
	T5LR Type 5 Long Round					**CC** Custom Color	**WSC-40** Motion Sensor 21-40' Mounting Height	**DIM** 0-10v Dimming Driver
	T5LS Type 5 Long Square						*The WSC option will require (1) FSIR-100 remote for programing*	

VISIONAIRE LIGHTING

VMX-II Array
LED Luminaire

The new **VMX-II Array LED** Series offers clean, functional styling that is defined by its sleek low profile design and rugged construction. It combines LED performance and advanced LED thermal management technology and provides outdoor lighting that is both energy efficient and aesthetically pleasing.

Key Features:

- Die-Cast aluminum housing
- IP65 Housing and LED optical assembly
- 1000 W Replacement
- 10 Specification Grade low glare optics
- 25,000 – 55,000 lumen packages
- 202 – 400 wattage range
- 120-277 universal Drivers, 347 & 480 voltage drivers
- 10KV Surge Protector
- 90% Power Factor
- 10 Year Electrical Warranty
- PangeaLink compatible
- Quick Mount Cleat
- Mounts to round or square pole
- 3, 5 and 7 Photocell receptacles
- 0-10V Dimming driver
- Title 24 Compliant Motion Sensor

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VMX-II Array LED Specifications

Project Name:

Catalog Number:

Type:

*Universal Arm Mount (UAM) Version Shown.

The **VMX-II Array LED** Series offers clean, functional styling that is defined by its sleek low profile design and rugged construction. It combines the latest LED Array technology, advanced LED thermal management and provides outdoor lighting that is both energy efficient and aesthetically pleasing.

The LED's performance and the driver's life are maximized by enclosing them in two separate cast aluminum housings.
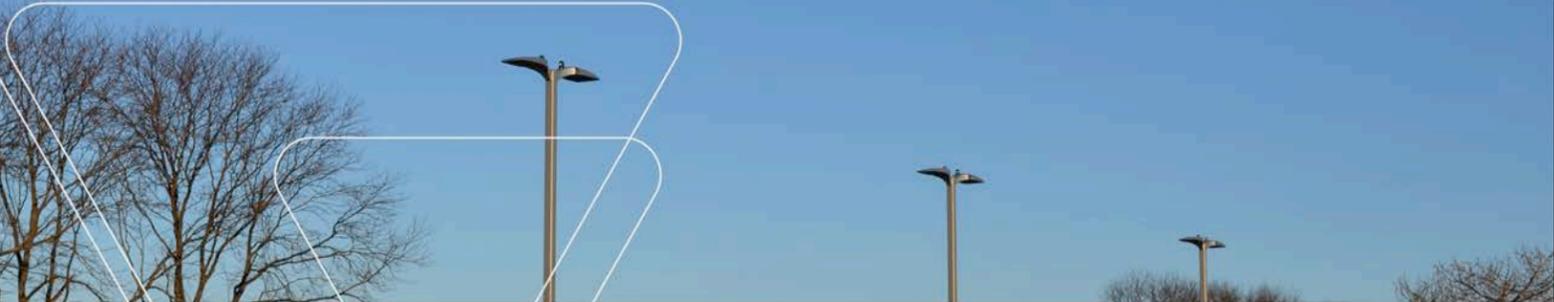
The VMX-II Array LED fixture is offered with lumen packages ranging from 25,000 to 55,000. Ten optical distribution patterns are available. Choose between 3K, 4K or 5K Kelvin temperature of the LEDs.

A durable polyester powder coat finish is guaranteed for five years; and is available in standard or custom colors.

The **VMX-II Array LED** series is an exceptional choice for commercial parking lots, office complexes, architectural projects, and other general lighting projects.

Ordering Information

MODEL	OPTICS	LUMENS	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS	OPTIONS	OPTIONS
VMX-II	T1 Type 1	25L	3K 3000K	UNV 120-277V	AM Arm Mount	BZ Bronze	PCR-120 PCR-208 PCR-240 PCR-277 PCR-347 PCR-480 Photocell & Receptacle	WSC-8 Motion Sensor 8' Mounting Height	UPMA-S Universal Square Pole Mount Adaptor
	T2 Type 2	30L		8 347V	SAM Straight Arm Mount W/ Terminal Block (New Construction)	BK Black		WSC-20 Motion Sensor 9-20' Mounting Height	UPMA-R Universal Round Pole Mount Adaptor
	T3 Type 3	35L	4K 4000K	5 480V		SBK Smooth Black		WSC-40 Motion Sensor 21-40' Mounting Height *The WSC option will require (1) FSIR 100 remote for programing	BAWP Cast Wall Plate
	T3L Type 3 Long	40L	5K 5000K		UAM Universal ArmW/ Terminal Block Mount (Retrofit)	WH White	PER 5PINPER 7PINPER 3, 5, or 7 Pin Photo Receptacle w/shorting cap Requires Dimming Driver		ROT-R Rotated Optics Right Side
	T4 Type 4	45L			MAF Mast Arm Fitter	SWH Smooth White			ROT-L Rotated Optics Left Side
	T4L Type 4 Long	50L			KM Knuckle Mount	GP Graphite		UMAP Universal Mast arm fitter	CLS Backside cutoff shield *Available up to 45L only
	T4A Type 4 Automotive	55L			WM Wall Mount *Requires BAWP	GY Grey	DIM 0-10v Dimming Driver	ECLS Egg Crate Louver Shield	RCLS Rightside cutoff shield *Available up to 45L only
	T5SR Type 5 Short Round				AWM Adjustable Wall Mount	SL Silver Metallic	RPP Round Pole Plate Adaptor	ADJLS Adjustable Louver Light Shield	LCLS Leftside cutoff shield *Available up to 45L only
	T5LR Type 5 Long Round				*Round Pole Plate Adapters (RPP) are to be ordered separately.	CC Custom Color	VWC Visionaire Wireless Controls *Consult Factory	BD Barn Door Shield	HS House shield
	T5LS Type Long Square				*BAWP to be ordered separately				

VISIONAIRE LIGHTING

VSX-II Array
LED Luminaire

The new VSX-II Array LED Series offers clean, functional styling that is defined by its sleek low profile design and rugged construction. It combines LED performance and advanced LED thermal management technology and provides outdoor lighting that is both energy efficient and aesthetically pleasing.

Key Features:

- Die-Cast aluminum housing
- IP65 Housing and LED optical assembly
- 400 W Replacement
- 10 Specification Grade low glare optics
- 4,000 – 25,000 lumen packages
- 202 – 400 wattage range
- 120-277 universal Drivers, 347 & 480 voltage drivers
- 10KV Surge Protector
- 90% Power Factor
- 10 Year Electrical Warranty
- PangeaLink compatible
- Mounts to round or square pole
- 7 Versatile Mounting Options
- 3, 5 and 7 Photocell receptacles
- 0-10V Dimming driver
- Title 24 Compliant Motion Sensor

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VSX-II Array LED Specifications

*Universal Arm Mount (UAM) Version Shown.

Project Name:

Catalog Number:

Type:

The new **VSX-II Array LED** Series offers clean, functional styling that is defined by its sleek low profile design and rugged construction. It combines the latest LED Array technology, advanced LED thermal management and provides outdoor lighting that is both energy efficient and aesthetically pleasing.

The LED's performance and the driver's life are maximized by enclosing them in two separate die cast aluminum housings.

The VSX-II Array LED fixture is offered with lumen packages ranging from 5,000 - 25,000. Ten optical distribution patterns are available. Choose between 3000, 4000 or 5000 Kelvin temperature of the LEDs.

A durable polyester powder coat finish is guaranteed for five years; and is available in standard or custom colors.

The **VSX-II Array LED** series is an exceptional choice for commercial parking lots, office complexes, architectural projects, and other general lighting projects.

Ordering Information

MODEL	OPTICS	LUMENS	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS	OPTIONS	OPTIONS
VSX-II	T1 Type 1	5L	3K 3000K	UNV 120-277V	AM Arm Mount	BZ Bronze	PCR-120 PCR-208 PCR-240 PCR-277 PCR-347 PCR-480 Photocell & Receptacle	WSC-8 Motion Sensor 8' Mounting Height	UPMA-S Universal Square Pole Mount Adaptor
	T2 Type 2	10L		8 347V	SAM Straight Arm Mount W/ Terminal Block (New Construction)	BK Black		WSC-20 Motion Sensor 9-20' Mounting Height	UPMA-R Universal Round Pole Mount Adaptor
	T3 Type 3	15L	4K 4000K	5 480V		SBK Smooth Black		WSC-40 Motion Sensor 21-40' Mounting Height *The WSC option will require (1) FSIR 100 remote for programing	BAWP Cast Wall Plate
	T3L Type 3 Long	20L	5K 5000K		UAM Universal ArmW/ Terminal Block Mount (Retrofit)	WH White	PER 5PINPER 7PINPER 3, 5, or 7 Pin Photo Receptacle w/shorting cap Requires Dimming Driver		ROT-R Rotated Optics Right Side
	T4 Type 4	25L			MAF Mast Arm Fitter	SWH Smooth White			ROT-L Rotated Optics Left Side
	T4L Type 4 Long				KM Knuckle Mount	GP Graphite		UMAP Universal Mast arm fitter	CLS Backside cutoff shield
	T4A Type 4 Automotive				WM Wall Mount *Requires BAWP	GY Grey	DIM 0-10v Dimming Driver	ECLS Egg Crate Louver Shield	RCLS Rightside cutoff shield
	T5SR Type 5 Short Round				AWM Adjustable Wall Mount	SL Silver Metallic	RPP Round Pole Plate Adaptor	ADJLS Adjustable Louver Light Shield	LCLS Leftside cutoff shield
	T5LR Type 5 Long Round				*Round Pole Plate Adapters (RPP) are to be ordered separately.	CC Custom Color	VWC Visionaire Wireless Controls *Consult Factory	BD Barn Door Shield	HS House shield
	T5LS Type Long Square				*BAWP to be ordered separately				

VISIONAIRE LIGHTING

V-Sconce-II
LED Luminaire

VSC-II – part of our V-Collection is a high performance architectural LED luminaire to be used in outdoor lighting applications. Sleek design takes advantage of the low profile LED lamp technology. Superior thermal management allows for maximum LPW output.

Cast aluminum construction provides years of reliable operation. A durable polyester powder coat finish is guaranteed for five years and is available in standard or custom colors.

Six different IES light distribution patterns make the VSC-II ideal for any site.

Key Features:

- Cast Aluminum Housing
- Separate Driver Compartment
- T1, T2, T3, T4, Flood Narrow & Flood Medium Optics
- 3000K CCT, 4000K CCT and 5000K CCT
- 2,000 – 13,000+ Lumen package
- 120- 277 UNV Voltage Drivers, 347 & 480 Voltage Drivers
- 18 – 105 Wattage range
- Conduit Box with (2) 1/2" Threaded Conduit Holes
- Button Type Photocell
- Title 24 Compliant Motion Sensor
- 0-10V Dimming
- Emergency Battery Pack
- Back Plate for Retrofit applications
- Up-light configuration

V-Sconce-II LED Specifications

The **VSC-II LED** wall mount Series continues the unique contemporary design that is inspired by the V-Collection light series. It combines LED performance and advanced LED thermal management technology and provides lighting that is energy efficient and aesthetically pleasing.

The LED performance and the driver's life are maximized by enclosing them in two separate cast aluminum housings. Easy access for mounting and maintenance.

The LED light assemblies come with 16, 32, or 48 LEDs.

Choose between 3000, 4000 or 5000 Kelvin temperature for the LEDs.

A durable polyester powder coat finish is guaranteed for five years; and is available in standard or custom colors.
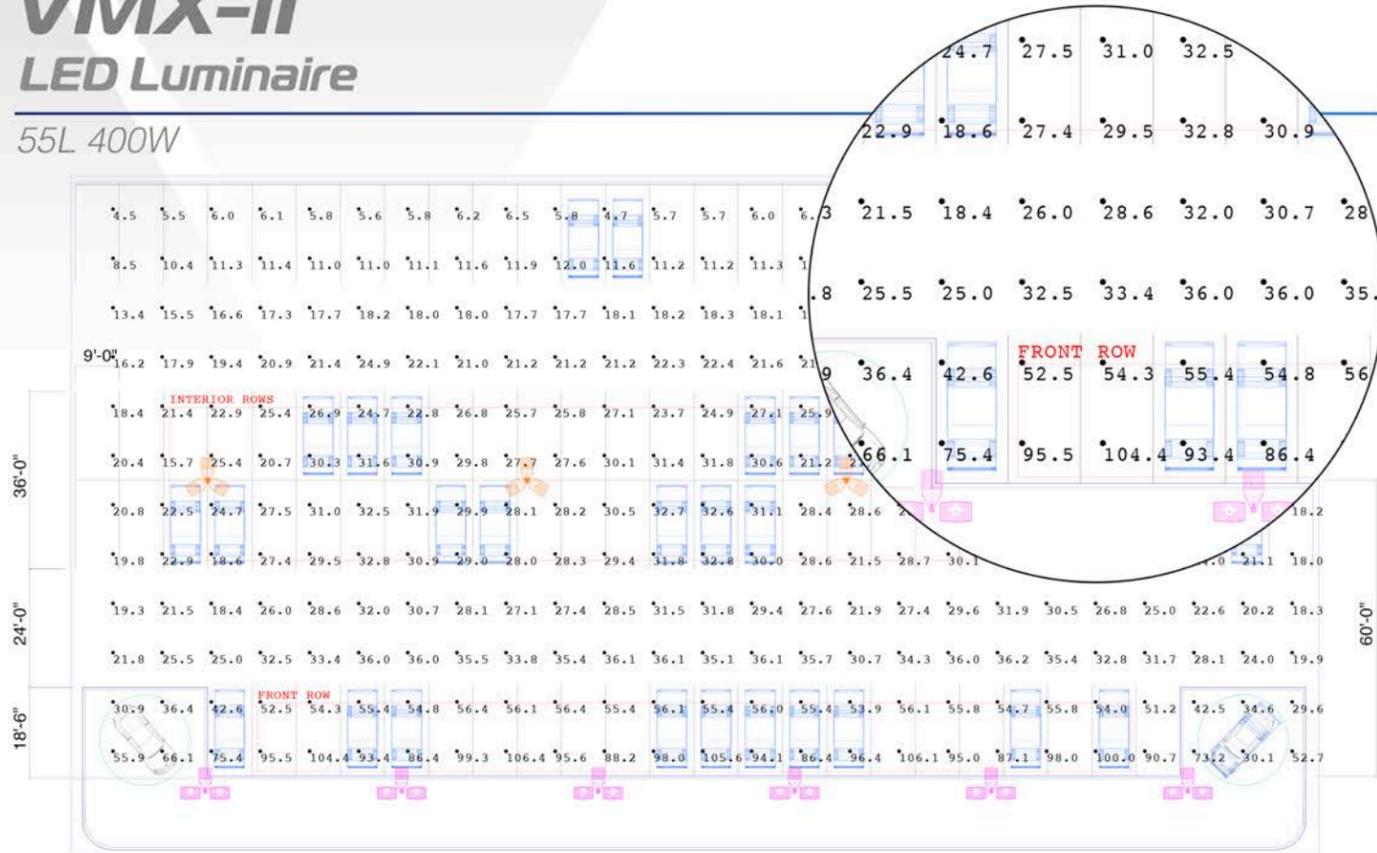
The **VSC-II LED** Series is an exceptional choice for office complexes, schools, commercial buildings, and many architectural projects.

Ordering Information

MODEL	OPTICS	SOURCE	CURRENT	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS	OPTIONS
VSC-II	T1 Type 1	16LC	3 350mA	3K 3000K	UNV 120-277V	WM Wall Mount	BZ Bronze	PC-120	UP Up-Light Orientation *Not available with motion sensor or EBPL
	T2 Type 2	32LC		4K 4000K	8 347V	VCB Conduit Box Mounting Plate with (2) 1/2" Threaded Conduit Holes	BK Black	PC-208	
		48LC	5 530mA					PC-240	
	T3 Type 3			5K 5000K	5 480V		SBK Smooth Black	PC-277 Button Type Photocell	DIM 0-10v Dimming Driver
			7 700mA				WH White	WSC-8 Motion Sensor 8' Mounting Height	EBPL Emergency Battery Pack *Universal Voltage only *Not available in Up Light Orientation
	T4 Type 4						SWH Smooth White	WSC-20 Motion Sensor 9-20' Mounting Height *The WSC option will require (1) FSIR 100 remote for programming	BP Back Plate
	FM Flood Medium		10 1050mA *Not Available in 48LC				GP Graphite		
	FN Flood Narrow						GY Grey		CLS Back Side Cutoff Louver Shield
							SL Silver Metallic		
							CC Custom Color		

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Left layout - Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CalcPts	Illuminance	Fc	29.72	106.4	2.6	11.43	40.92
FRONT ROW	Illuminance	Fc	96.44	106.4	86.4	1.12	1.23
INTERIOR ROWS	Illuminance	Fc	28.75	33.0	18.6	1.55	1.77

Luminaire Schedule

| Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description	BUG Rating	Lum. Watts
	6	A3	GROUP	N.A.	0.950	VISIONAIRE VMX-II-T4A-40L-5K-VOLT-T90° RO @ 25' MTG. HT	N.A.	N.A.
	4	B	3 @ 120 DEGREES	N.A.	0.950	VISIONAIRE VMX-II-T5LS-55L-5K-VOLT-T120° @ 25' MTG. HT	B5-U0-G5	400

Right layout - Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CalcPts	Illuminance	Fc	28.27	95.9	2.6	10.87	36.88
FRONT ROW	Illuminance	Fc	86.88	95.9	77.8	1.12	1.23
INTERIOR ROWS	Illuminance	Fc	28.54	32.7	18.4	1.55	1.78

Luminaire Schedule

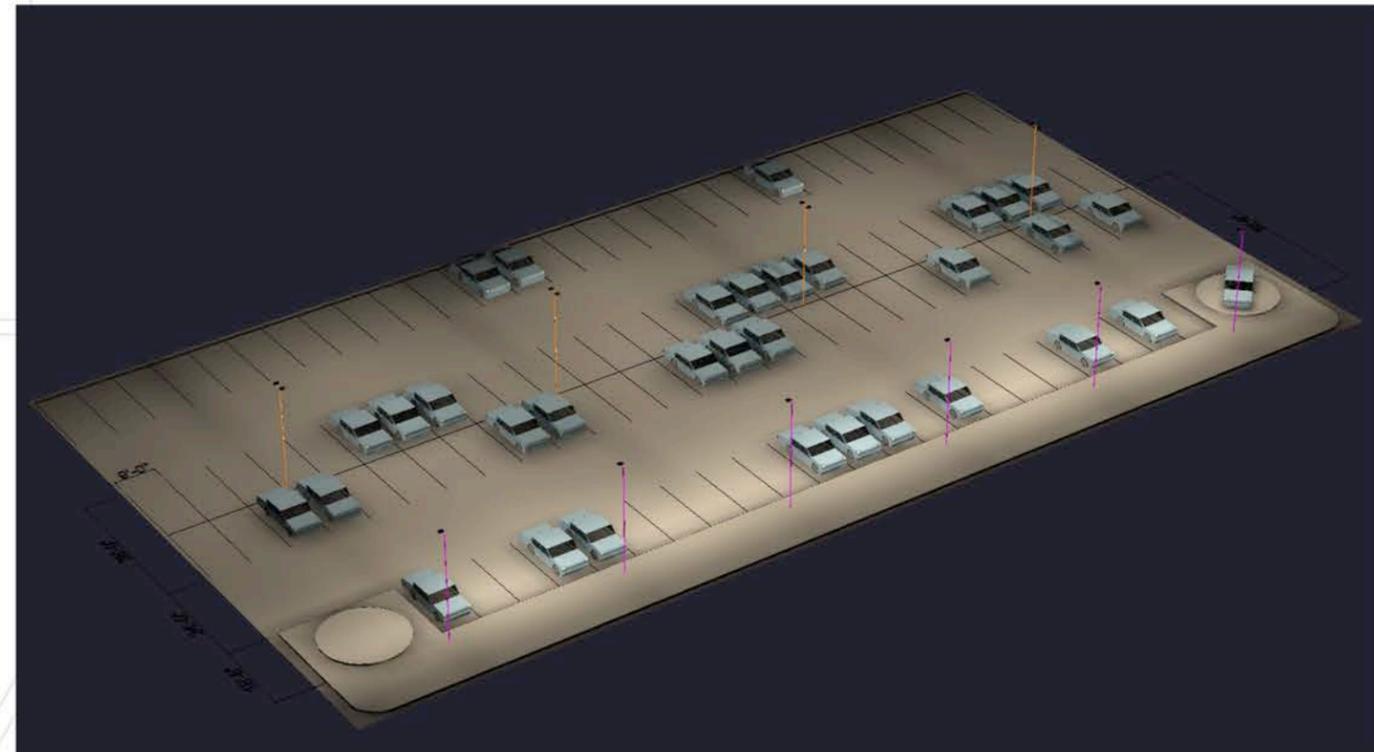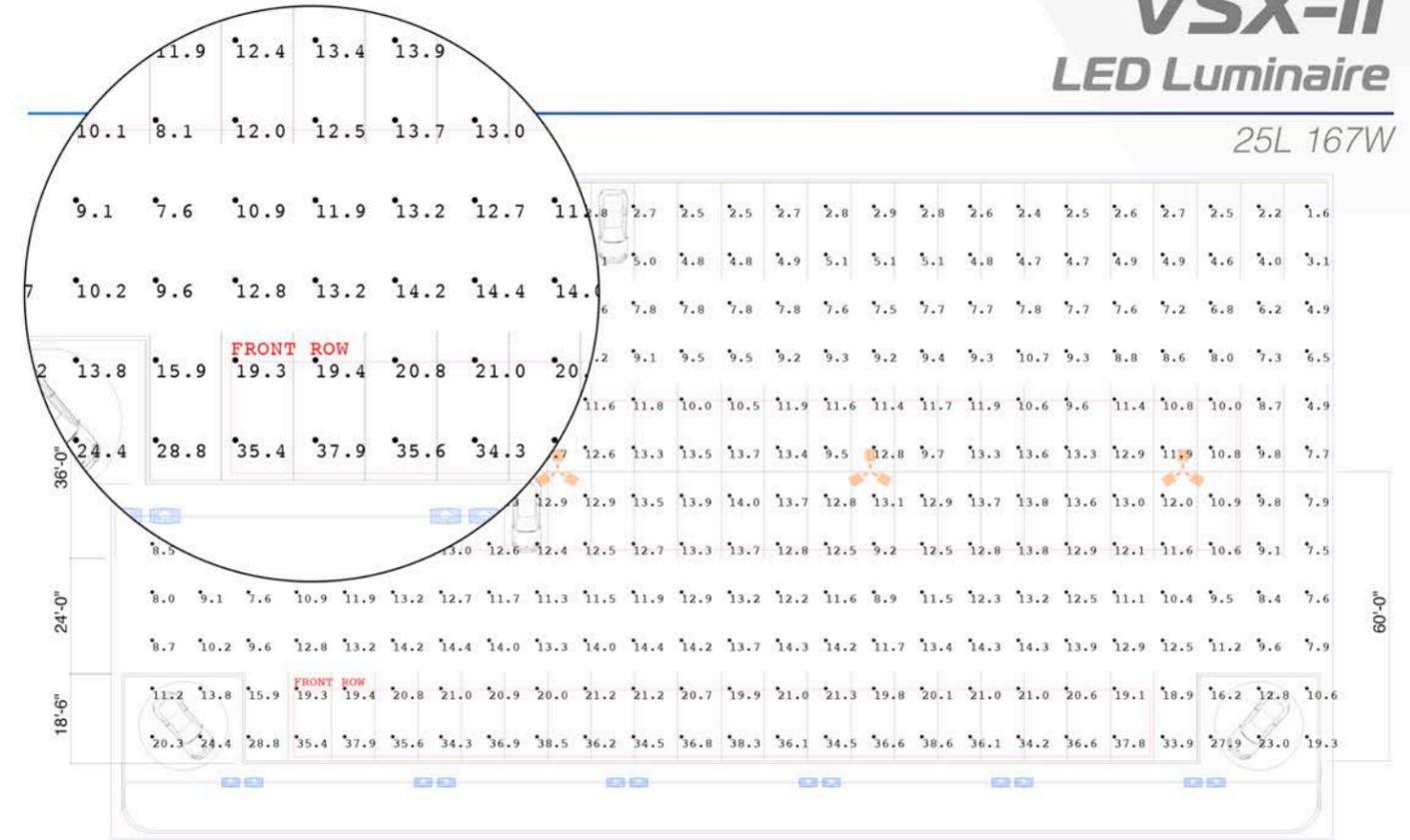| Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description	BUG Rating	Lum. Watts
	6	A	ROTATED OPTICS	N.A.	0.950	VISIONAIRE VMX-II-T4A-55L-5K-VOLT-T180° RO @ 25' MTG. HT	B5-U0-G4	400
	4	B	3 @ 120 DEGREES	N.A.	0.950	VISIONAIRE VMX-II-T5LS-55L-5K-VOLT-T120° @ 25' MTG. HT	B5-U0-G5	400
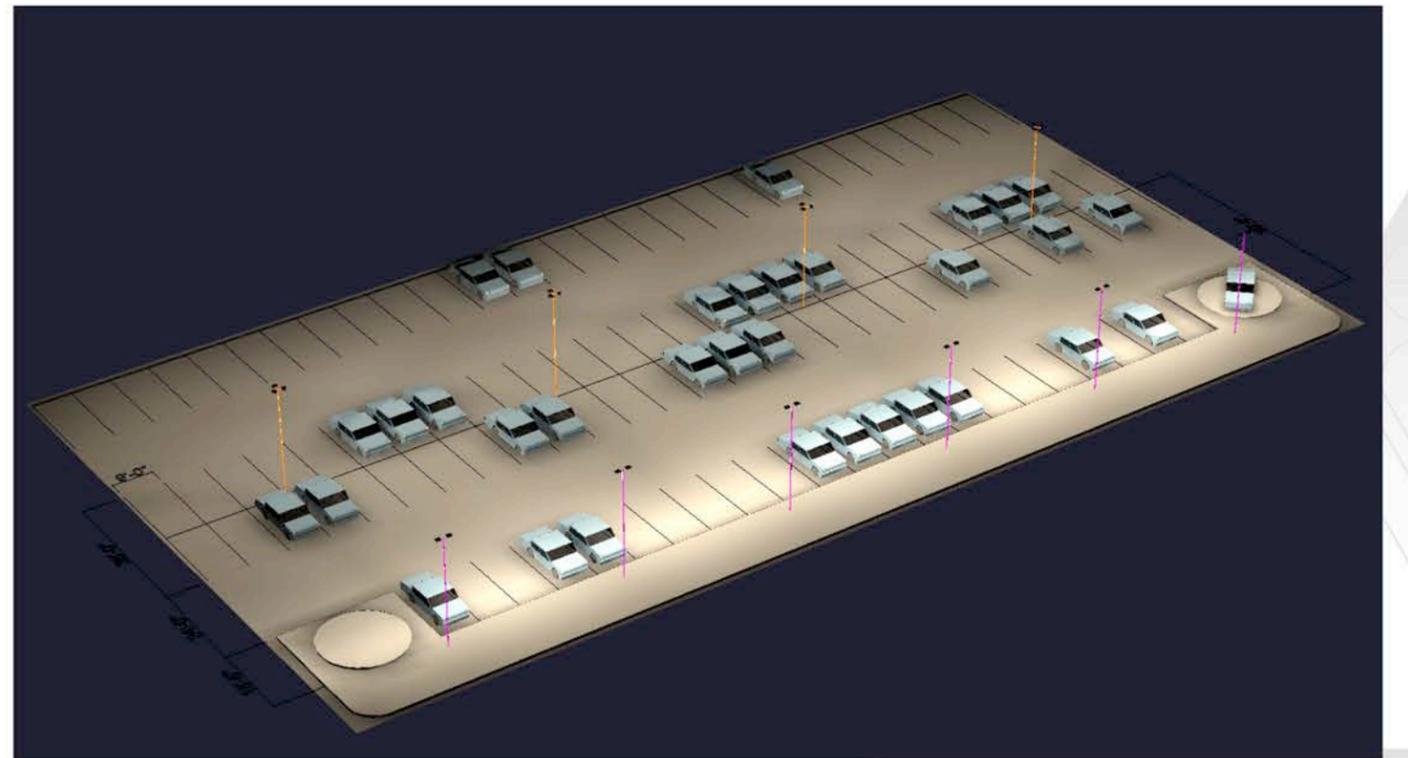
VMX–II
LED Luminaire
55L 400W

VSX–II
LED Luminaire
25L 167W

VMX-II (55L 400W)

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CalcPts	Illuminance	Fc	17.45	51.0	2.1	8.31	24.29
FRONT ROW	Illuminance	Fc	46.02	51.0	41.1	1.12	1.24
INTERIOR ROWS	Illuminance	Fc	18.48	22.1	9.4	1.97	2.35

Luminaire Schedule

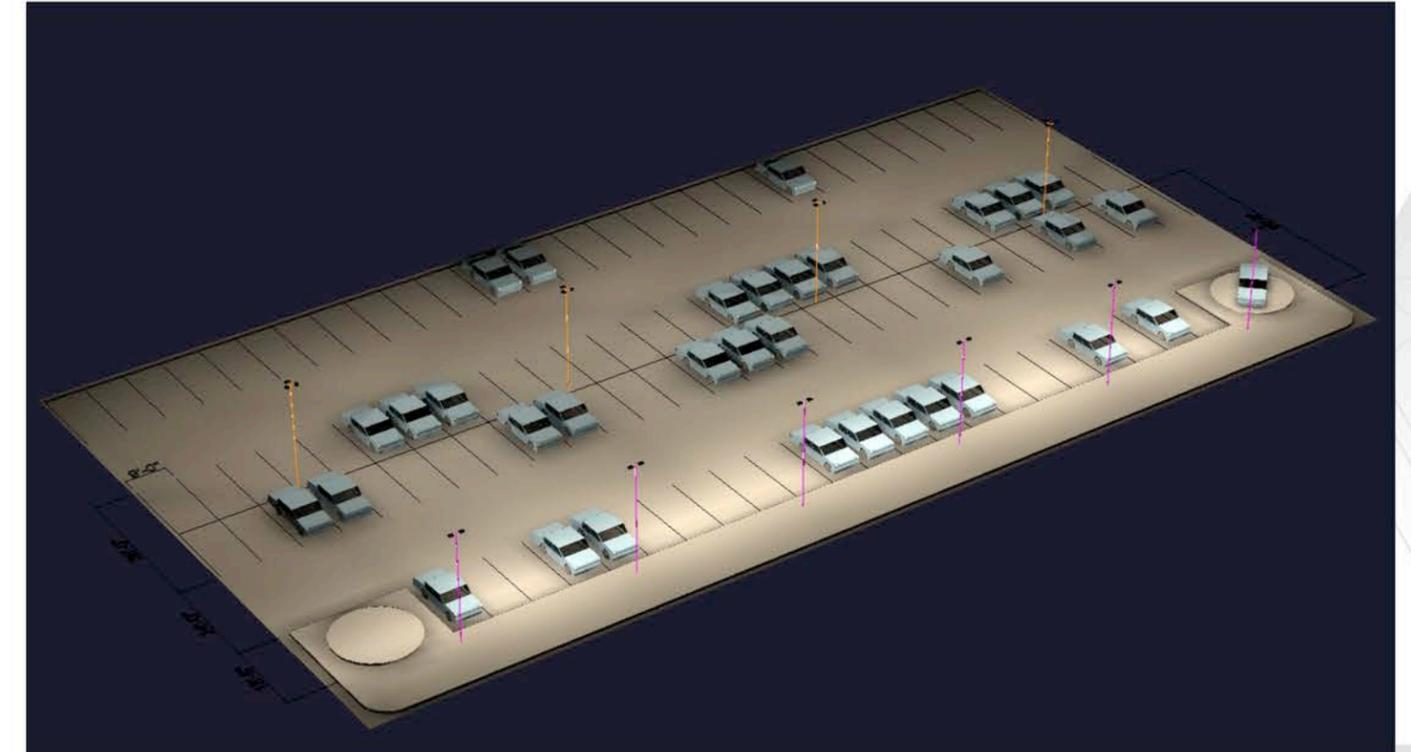| Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description	BUG Rating	Lum. Watts
	6	A	SINGLE	N.A.	0.950	VISIONAIRE VMX-II-T4A-40L-5K-VOLT-SINGLE @ 25' MTG. HT	B5-U0-G4	400
	4	B	2 @ 180 DEGREES	N.A.	0.950	VISIONAIRE VMX-II-T5LS-55L-5K-VOLT-D180º @ 25' MTG. HT	B5-U0-G5	400

VSX-II (25L 167W)

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CalcPts	Illuminance	Fc	12.14	38.6	1.6	7.59	24.13
FRONT ROW	Illuminance	Fc	36.38	38.6	34.2	1.06	1.13
INTERIOR ROWS	Illuminance	Fc	12.60	14.0	8.1	1.56	1.73

Luminaire Schedule

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description	BUG Rating	Lum. Watts
	6	A	ROTATED OPTICS	N.A.	0.950	VISIONAIRE VSX-II-T4A-25L-5K-VOLT-D180º RO @ 25' MTG. HT	B3-U0-G3	167
	4	B	3 @ 120 DEGREES	N.A.	0.950	VISIONAIRE VSX-II-T5LS-25L-5K-VOLT-T120º @ 25' MTG. HT	B5-U0-G3	167

BLX-III LED Specifications

BLX-III-4 Bolt-on Arm

The new **BOW LX-III LED** Series continues the unique contemporary design inspired by the sleek styling of the BOW family. Separating the extruded aluminum driver housing and the individual die-cast aluminum linear LED engines: optimize the life of the LEDs and the Driver(s); and maximizes the lumen output of the fixture. The adjustable knuckle allows for up to 50° degrees of vertical adjustment for putting the light exactly where you need it.

Each of the individual LED light engines come with 32 LEDs; for a max total of 256 LEDs. Nine optical distribution patterns are available.

A unique Type 4-A automotive distribution pattern is available for the front rows of Auto Dealerships. Available in 3000, 4000, 5000 Kelvin temperature.

A durable polyester powder coat finish is guaranteed for five years; and is available in standard or custom colors.

The **BOW LX-III LED** series is an exceptional choice for auto dealerships, shopping centers, commercial parking lots and general area lighting.

BLX-III
LED Luminaire

The BLX-III Array creates a 145,000+ lumen site lighting package for high light level LED applications. A dedicated heat sink for each LED array maximizes the thermal management characteristics of the BOW LX II Array. Multiple mounting options including an adjustable knuckle slip fits over a 2 3/8" tenon, and allows for up to 90 degrees of vertical adjustment in 10 degree increments from horizontal, as well as full side to side adjustment. A Bolt-On Arm that utilizes a 2 piece cleat system for easy installation. A Mast Arm Fitter that fits over a 2 3/8" tenon. A Post Top Mount that fits over a 2 3/8" tenon and is adjustable up to 45° and a Trunnion Mount that is adjustable up to 45°.

Key Features:

- Die cast aluminum housing
- Integrated heat sink
- Field adjustable knuckle
- Quick Install
- 8 IES optic patterns
- 145,000+ lumen packages
- 3X, 4X, 6X or 8X LED Array design
- Ideal for Automotive and large site light projects

Ordering Information

MODEL	OPTICS	LUMENS	KELVIN	VOLTAGE	MOUNTING	MOUNTING	FINISH	OPTIONS	OPTIONS	OPTIONS
BLX-III-3	**T1** Type 1	20L	**3K** 3000K	**UNV** 120-277V	**PT** Post Top	**WM** Wall Mount BLX-III-3 & BLX-III-4 Only	**GY** Grey	**PCR-120** **PCR-208** **PCR-240** **PCR-277** **PCR-347** **PCR-480** Photocell & Receptacle	**DIM** 0-10v Dimming Driver *No Controls*	**ROT-R** Rotated Optics Right Side
	T2 Type 2	25L	**4K** 4000K	**8** 347V	**MA** Mast Arm Fitter	**AWM** Adjustable Wall Mount BLX-III-3 & BLX-III-4 Only	**SL** Silver Metallic		**WSC-8** Motion Sensor 8' Mounting Height	**ROT-L** Rotated Optics Left Side
	T3 Type 3	30L 35L	**5K** 5000K	**5** 480V	**KM** Knuckle Mount		**BK** Black		**WSC-20** Motion Sensor 9-20' Mounting Height	**VWC** Visionaire Wireless Controls *Consult Factory*
	T3L Type 3 Long	40L 45L			**BOA** Bolt-On Arm	**BAWP** Bolt-On Arm Wall Plate *BLX-III-3 & BLX-III-4 only*	**SBK** Smooth Black	**PER** 3 Pin Photo Receptacle w/shorting cap	**WSC-40** Motion Sensor 21-40' Mounting Height	
	T4 Type 4	50L			**AM** Arm Mount Extended arm is needed for the BLX-III-6 & BLX-III-8 in D9, T9, T120 & QD configurations *extended arm sold separately*	**BAWP-XL** Bolt-On Arm Wall Plate-XL *BLX-III-6 & BLX-III-8 only*	**WH** White		*The WSC option will require (1) FSIR 100 remote for programing*	**RPP** Round Pole Plate Adaptor For 3"Ø - 5"Ø Pole
BLX-III-4	**T4A** Type 4 Automotive	55L 60L				**UPMA-S** Universal Square Pole Mount Adaptor *Not available with BLX-II-8*	**SWH** Smooth White	**5PINPER 7PINPER** 5 OR 7 Pin Photo Receptacle w/shorting cap Requires Dimming Driver		
	T4L Type 4 Long	65L 70L					**BZ** Bronze			
BLX-III-6	**T5SR** Type 5 Short Round	80L 90L			**TM** Trunnion Mount		**GP** Graphite			
	T5LR Type 5 Long Round	100L 110L				**UPMA-R** Universal Round Pole Mount Adaptor *Not available with BLX-II-8*	**CC** Custom Color			
BLX-III-8	**T5LS** Type Long Square	120L 130L 145L								

VISIONAIRE LIGHTING

BSX-III
LED Luminaire

The **BOW SX III** uses the successful BOW components to create up to a 17,000+ lumen lighting package for high light level LED applications. A dedicated heat sink for each LED array maximizes the thermal management characteristics of the BOW SX III. An adjustable knuckle slip fits over a 2 3/8 inch Tenon, and allows for up to 90 degrees of vertical adjustment in 10 degree increments. Also available for Wall Mount or Bolt-On Arm mounting.

Key Features:

- Die cast aluminum housing
- Integrated heat sink
- Field adjustable knuckle
- Quick Install
- 8 IES optic patterns
- 17,000 + lumen packages
- 2X, 3X or 4X LED Array design
- Dimming Capable

BOW SX-III LED Specifications

The new **BOW SX-III LED** Series continues the unique contemporary design inspired by the sleek styling of the BOW family. Separating the extruded aluminum driver housing and the individual die-cast aluminum linear LED engines: optimize the life of the LEDs and the Driver(s); and maximizes the lumen output of the fixture.

Each of the individual LED light engines come with 16 LEDs; for a max total of 64 LEDs. Nine optical distribution patterns are available.

Available in 3000, 4000 or 5000 Kelvin temperature. A durable polyester powder coat finish is guaranteed for five years; and is available in standard or custom colors.

The **BOW SX-III LED** series is an exceptional choice for shopping centers, schools, office buildings, and general area lighting.

c(UL)us LISTED

Ordering Information

MODEL	OPTICS	SOURCE	CURRENT	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS	OPTIONS
BSX-III-2	T1 Type 1	32LC	3 350mA	3K 3000K	UNV 120-277V	PT Post Top	BZ Bronze	PCR-120 PCR-208 PCR-240	RPP Round Pole Plate Adaptor For 3"Ø - 5"Ø Pole
BSX-III-3	T2 Type 2	48LC	5 530mA	4K 4000K	8 347V	MA Mast Arm Fitter	BK Black	PCR-277 PCR-347	UPMA-S Universal Square Pole Mount Adaptor
BSX-III-4	T3 Type 3	64LC	7 700mA	5K 5000K	5 480V	KM Knuckle Mount	SBK Smooth Black	PCR-480 Photocell & Receptacle	UPMA-R Universal Round Pole Mount Adaptor
	T4 Type 4		10 1050mA			BOA Bolt-On Arm	WH White	PER 5PINPER 7PINPER 3, 5, or 7 Pin Photo Receptacle w/shorting cap Requires Dimming Driver	DS Decorative Shroud
	T4A Type 4 Automotive					TM Trunnion Mount	SWH Smooth White		ROT-R Rotated Optics Right Side
	T5 Type 5					WM Wall Mount	GP Graphite	DIM 0-10v Dimming Driver *No Controls	ROT-L Rotated Optics Left Side
	T5W Type 5 Wide					AWM Adjustable Wall Mount	GY Grey	WSC-8 Motion Sensor 8' Mounting Height	CLS Back Side Cutoff Louver Shield
	FN						SL Silver Metallic	WSC-20 Motion Sensor 9-20' Mounting Height	RCLS Right Side Cutoff Louver Shield
	FM						CC Custom Color	WSC-40 Motion Sensor 21-40' Mounting Height	LCLS Left Side Cutoff Louver Shield
									VWC Visionaire Wireless Controls *Consult Factory
								*WSC options will require (1) FSIR 100 remote for programing	

lighting facts | IP65 RATED | c(UL)us LISTED | POWER COATED TOUGH | DLC | ANSI

▽ VISIONAIRE LIGHTING

BLX-III-8
LED Luminaire
145L 1102W

BLX-III-6
LED Luminaire
110L 793W

Left Plan (BLX-III-8)

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CalcPts	Illuminance	Fc	44.75	135.7	7.1	6.30	19.11
FRONT ROW	Illuminance	Fc	123.63	135.7	111.9	1.10	1.21
INTERIOR ROWS	Illuminance	Fc	48.62	55.6	27.4	1.77	2.03

Luminaire Schedule

| Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description	BUG Rating	Lum. Watts
	6	A	SINGLE	N.A.	0.950	VISIONAIRE BLX-III-8-T4A-145L-5K-VOLT-SINGLE @ 25' MTG. HT.	B5-U0-G5	1102
	4	B	2 @ 180 DEGREES	N.A.	0.950	VISIONAIRE BLX-III-8-T5LS-145L-5K-VOLT-D180° @ 25' MTG. HT.	B5-U0-G5	1102

Right Plan (BLX-III-6)

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CalcPts	Illuminance	Fc	33.96	103.3	5.4	6.29	19.13
FRONT ROW	Illuminance	Fc	94.13	103.3	85.2	1.10	1.21
INTERIOR ROWS	Illuminance	Fc	36.83	42.1	20.8	1.77	2.02

Luminaire Schedule

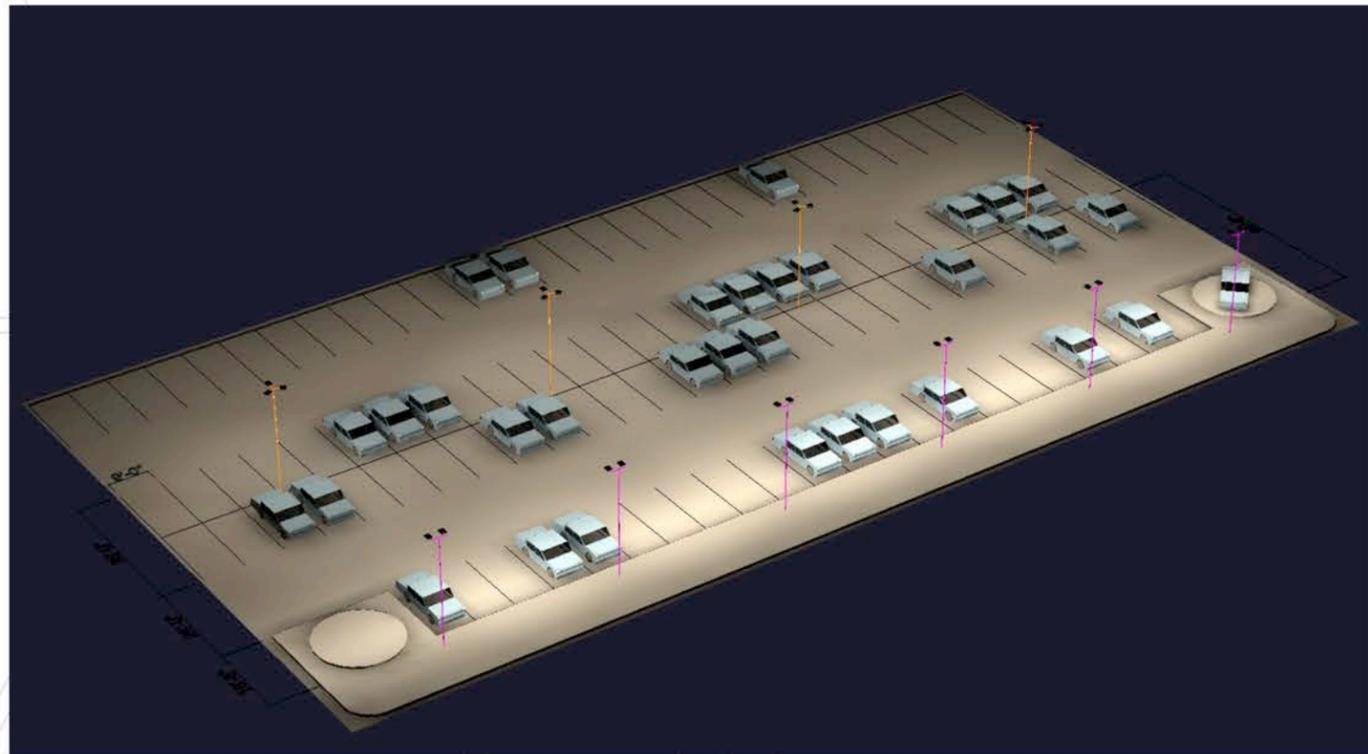| Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description	BUG Rating	Lum. Watts
	6	A	SINGLE	N.A.	0.950	VISIONAIRE BLX-III-6-T4A-110L-5K-VOLT-SINGLE @ 25' MTG. HT.	B5-U0-G5	793
	4	B	2 @ 180 DEGREES	N.A.	0.950	VISIONAIRE BLX-III-6-T5LS-110L-5K-VOLT-D180° @ 25' MTG. HT.	B5-U0-G5	793
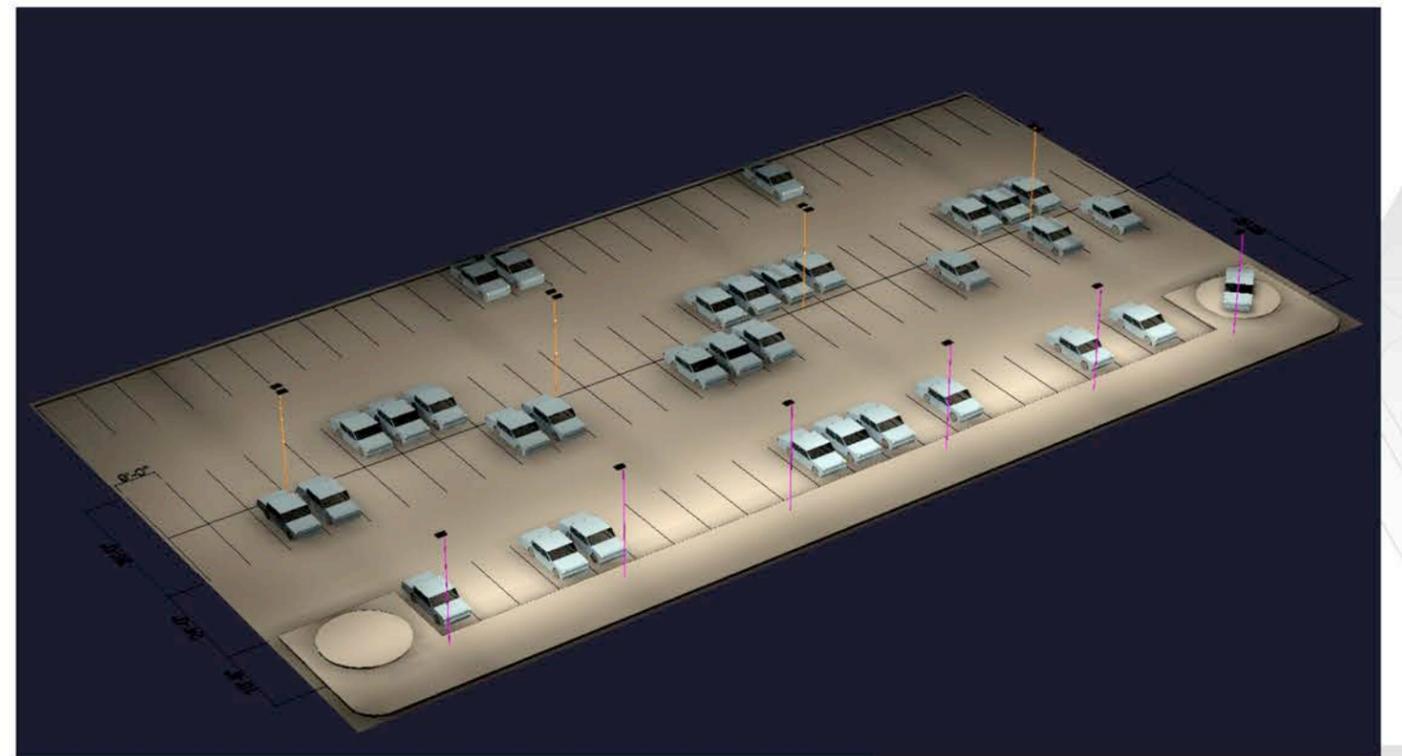
BLX-III-3
LED Luminaire
50L 397W

BSX-III-4
LED Luminaire
35L 263W

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CalcPts	Illuminance	Fc	26.98	94.2	3.3	8.18	28.55
FRONT ROW	Illuminance	Fc	86.27	94.2	78.1	1.10	1.21
INTERIOR ROWS	Illuminance	Fc	27.21	31.0	22.3	1.22	1.39

Luminaire Schedule

| Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description	BUG Rating	Lum. Watts
	6	A	TWIN	N.A.	0.950	VISIONAIRE BLX-III-3-T4A-50L-5K-VOLT-TWIN @ 25' MTG. HT.	B5-U0-G4	397
	4	B	3 @ 120 DEGREES	N.A.	0.950	VISIONAIRE BLX-III-3-T5LS-50L-5K-VOLT-T120° @ 25' MTG. HT.	B5-U0-G5	397

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CalcPts	Illuminance	Fc	19.37	65.1	1.7	11.39	38.29
FRONT ROW	Illuminance	Fc	59.07	65.1	52.9	1.12	1.23
INTERIOR ROWS	Illuminance	Fc	20.54	22.7	15.8	1.30	1.44

Luminaire Schedule

| Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description	BUG Rating	Lum. Watts
	6	BSX-II-4_T4A	TWIN	N.A.	0.950	BSX-III-4-T4A-35L-5K-UNV	B4-U0-G4	263
	4	BSX-II-4_T5L	3 @ 120 DEGREES	N.A.	0.950	BSX-III-4-T5LS-35L-5K-UNV	B5-U0-G4	263
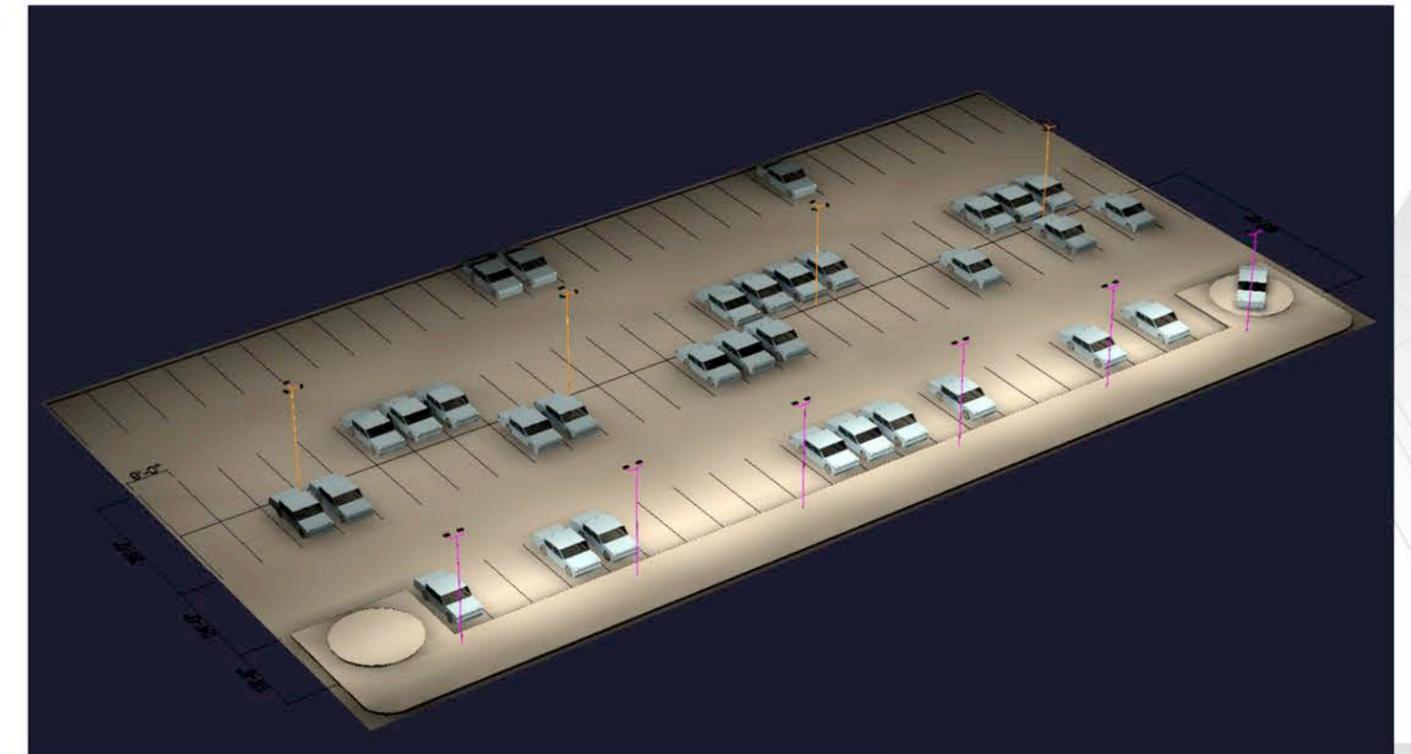
VISIONAIRE
LIGHTING

The Lusso Collection powered by ARRAY from Visionaire Lighting can elegantly compliment the daytime architecture of your space, while providing nighttime illumination that is up to task and equally as elegant. The collection consists of a wall sconce, bollard, single or twin arm post top and a beautiful pole mount. Available in two housings sizes and lumen packages up to 55,000 lumens thanks to our performance ARRAY LED platform. Scale and design creativity has no limits for any application.

Lusso
Medium Arm Mount

Key Features

- Cast aluminum housing
- IP65 Housing and LED optical assembly
- 400 W Replacement
- 10 Specification Grade low glare optics
- 5,000 – 27,000 lumen packages
- 52 – 200 wattage range
- 120-277 universal Drivers, 347 & 480 voltage drivers
- 10KV Surge Protector
- 90% Power Factor
- 10 Year Electrical Warranty
- PangeaLink compatible
- Quick Mount Cleat
- Mounts to round or square pole
- 3, 5 and 7 Photocell receptacles
- 0-10V Dimming driver
- Title 24 Compliant Motion Sensor

29.55
ø22.00
3.49
10.86
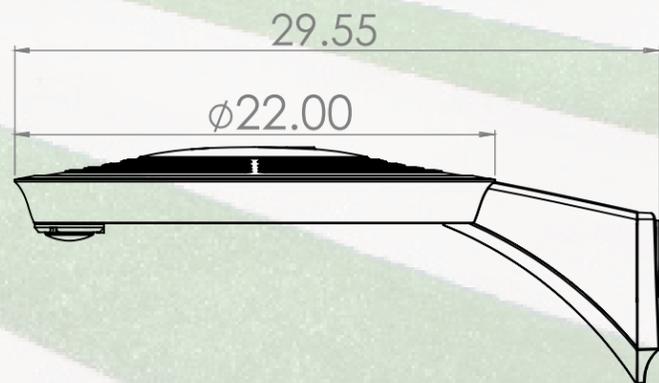
LUSSO ARRAY M-AM LED Specifications

Project Name:

Catalog Number:

Type:

Contemporary design meets the new generation of LED green technology in this stunning lumenaire, the **Lusso Array**. The Lusso Array series provides over fifty percent energy savings over traditional HID light sources; and offers excellent beam control and LED life beyond 100,000 hours for 1400 milliamp systems. The Lusso Array is offered in ten optical distributions.

The Lusso Array's fully-sealed housing features an exceptionally well-designed thermal management system that provides superior heat dissipation.

The Lusso Array fixture is built with cast aluminum.

The **Lusso Array** is the perfect compliment to any university campus, business park, or walkway project where contemporary, architectural design is desired.

Ordering Information

MODEL	OPTICS	LUMENS	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS	OPTIONS
LSO-M	**T1** Type 1	**5L**	**3K** 3000K	**UNV** 120-277V	**AM** Arm Mount	**BK** Black	**PCR-120** **PCR-208** **PCR-240** **PCR-277** **PCR-347** **PCR-480** Photocell & Receptacle	**VWC** Visionaire Wireless Controls Consult Factory
	T2 Type 2	**10L**	**4K** 4000K	**8** 347V	**WM** Wall Mount Requires BAWP	**SBK** Smooth Black		**RPP** For 3-5"Ø Pole - Round Pole Plate Adaptor
	T3 Type 3	**15L**	**5K** 5000K	**5** 480V	Round Pole Plate Adaptors (RPP) are to be ordered separately.	**BZ** Bronze		**UPMA-S** Universal Square Pole Mount Adaptor
	T3L Type 3 Long	**20L**			UPMA to be ordered separately.	**GP** Graphite	**PER** **5PINPER** **7PINPER** 3,5, or 7 Pin Photo Receptacle w/shorting cap Requires Dimming Driver	**UPMA-R** Universal Round Pole Mount Adaptor
	T4 Type 4	**25L**			BAWP to be ordered separately.	**GY** Grey		**BAWP** Cast Wall Plate
	T4A Type 4 Automotive					**SL** Silver Metallic	**DIM** 0-10v Dimming Driver	**ROT-R** Rotated Optics Right Side
	T4L Type 4 Long					**WH** White	**WSC-8** Motion Sensor 8' Mounting Height	**ROT-L** Rotated Optics Left Side
	T5LR Type 5 Long Round					**SWH** Smooth White	**WSC-20** Motion Sensor 9-20' Mounting Height	
	T5LS Type 5 Long Square					**FG** Forest Green	**WSC-40** Motion Sensor 21-40' Mounting Height	
	T5SR Type 5 Short Round					**VD** Verdigris Green	*The WSC option will require (1) FSIR 100 remote for programing	
						CC Custom Color		

VISIONAIRE LIGHTING

VISIONAIRE LIGHTING

The Lusso Collection powered by ARRAY from Visionaire Lighting can elegantly compliment the daytime architecture of your space, while providing nighttime illumination that is up to task and equally as elegant. The collection consists of a wall sconce, bollard, single or twin arm post top and a beautiful pole mount. Available in two housings sizes and lumen packages up to 55,000 lumens thanks to our performance ARRAY LED platform. Scale and design creativity has no limits for any application.

Lusso Large Arm Mount
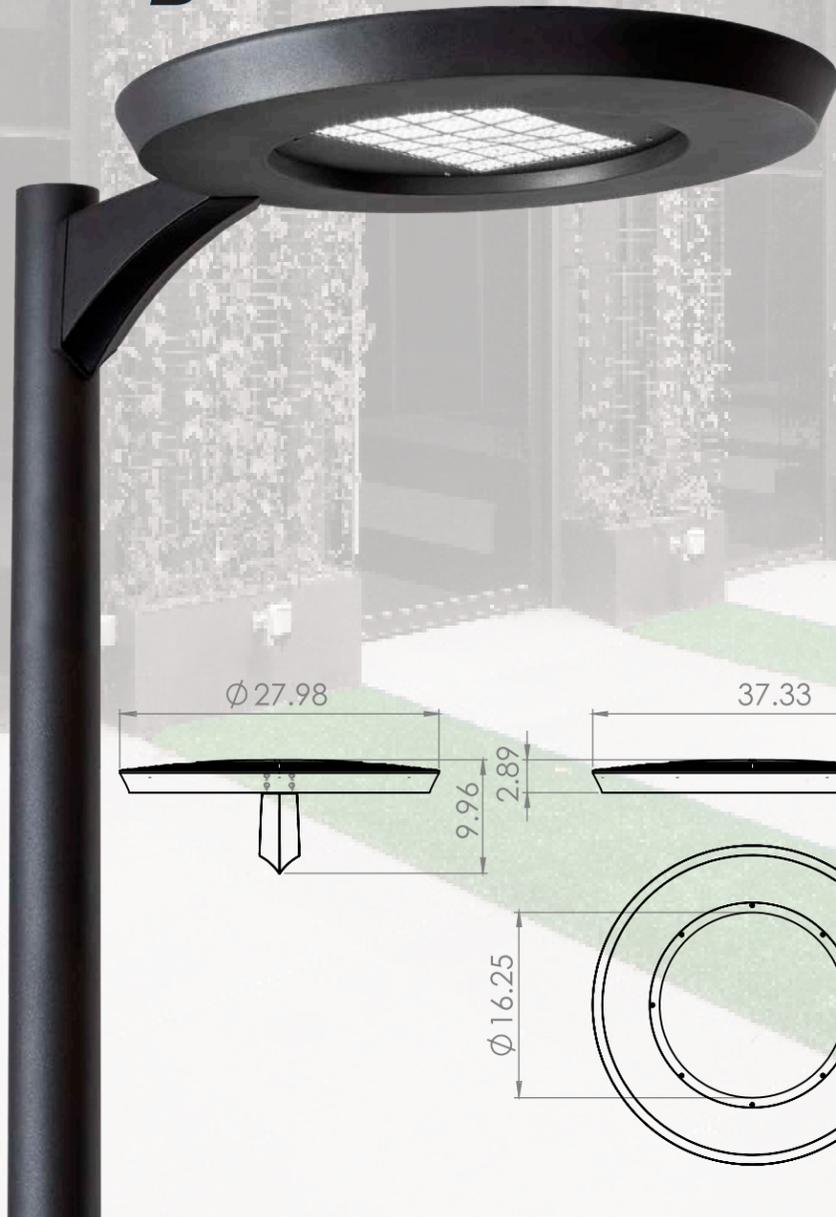
Key Features

- Cast aluminum housing
- IP65 Housing and LED optical assembly
- 1000 W Replacement
- 10 Specification Grade low glare optics
- 25,000 – 55,000 lumen packages
- 202-408 wattage range
- 120-277 Universal Drivers, 347 & 480 voltage drivers
- 10KV Surge Protector
- 90% Power Factor
- 10 Year Electrical Warranty
- PangeaLink compatible
- Quick Mount Cleat
- Mounts to round or square pole
- 3, 5 and 7 Photocell receptacles
- 0-10V Dimming driver
- Title 24 Compliant Motion Sensor

Ø 27.98
37.33
9.96
2.89
Ø 16.25

LUSSO ARRAY L-AM LED Specifications

Contemporary design meets the new generation of LED Array green technology in this stunning lumenaire, the **Lusso Array**. The Lusso Array series provides over fifty percent energy savings over traditional HID light sources and offers excellent beam control and LED life beyond 100,000 hours for 1400 milliamp systems.

The Lusso Array's fully-sealed housing features an exceptionally well-designed thermal management system that provides superior heat dissipation.

The Lusso Array fixture is built with cast aluminum.

The new **Lusso Array** is the perfect compliment to any university campus, business park, or walkway project where contemporary, architectural design is desired.

Ordering Information

| MODEL	OPTICS	LUMENS	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS	OPTIONS
LSO-L	**T1** Type 1	**25L**	**3K** 3000K	**UNV** 120-277V	**AM** Arm Mount	**BK** Black	**PCR-120** **PCR-208** **PCR-240** **PCR-277** **PCR-347** **PCR-480** Photocell & Receptacle	**VWC** Visionaire Wireless Controls Consult Factory
	T2 Type 2	**30L**	**4K** 4000K	**8** 347V	**WM** Wall Mount Requires BAWP	**SBK** Smooth Black		**RPP** For 3-5"Ø Pole – Round Pole Plate Adaptor
	T3 Type 3	**35L**	**5K** 5000K	**5** 480V	Round Pole Plate Adaptors (RPP) are to be ordered separately.	**BZ** Bronze		**UPMA-S** Universal Square Pole Mount Adaptor
	T3L Type 3 Long	**40L**			UPMA to be ordered separately.	**GP** Graphite	**PER** **5PINPER** **7PINPER** 3,5, or 7 Pin Photo Receptacle w/shorting cap Requires Dimming Driver	**UPMA-R** Universal Round Pole Mount Adaptor
	T4 Type 4	**45L**			BAWP to be ordered separately.	**GY** Grey		**BAWP** Cast Wall Plate
	T4A Type 4 Automotive	**50L**				**SL** Silver Metallic	**DIM** 0-10v Dimming Driver	**ROT-R** Rotated Optics Right Side
	T4L Type 4 Long	**55L**				**WH** White	**WSC-8** Motion Sensor 8' Mounting Height	**ROT-L** Rotated Optics Left Side
	T5LR Type 5 Long Round					**SWH** Smooth White	**WSC-20** Motion Sensor 9-20' Mounting Height	
	T5LS Type 5 Long Square					**FG** Forest Green	**WSC-40** Motion Sensor 21-40' Mounting Height	
	T5SR Type 5 Short Round					**VD** Verdigris Green		
						CC Custom Color	*The WSC option will require (1) FSIR 100 remote for programing	

VISIONAIRE LIGHTING

BLX-III

Wireless Mesh Networked Lighting Controls Platform

No Project Too Big or Too Small...

PangeaLink is Visionaire's new wireless mesh network lighting controls and Internet of Things (IoT) software platform. We offer both 7-Pin wireless nodes and internal wireless controller options. When paired with our wireless gateway, you can turn any outdoor lighting project into a dynamic connected lighting solution that is easily accessed with our proprietary software via the cloud. Whether it's a commercial parking lot, parking garage, large campus or miles and miles of city highways and downtown cityscapes...no project is too big or too small.
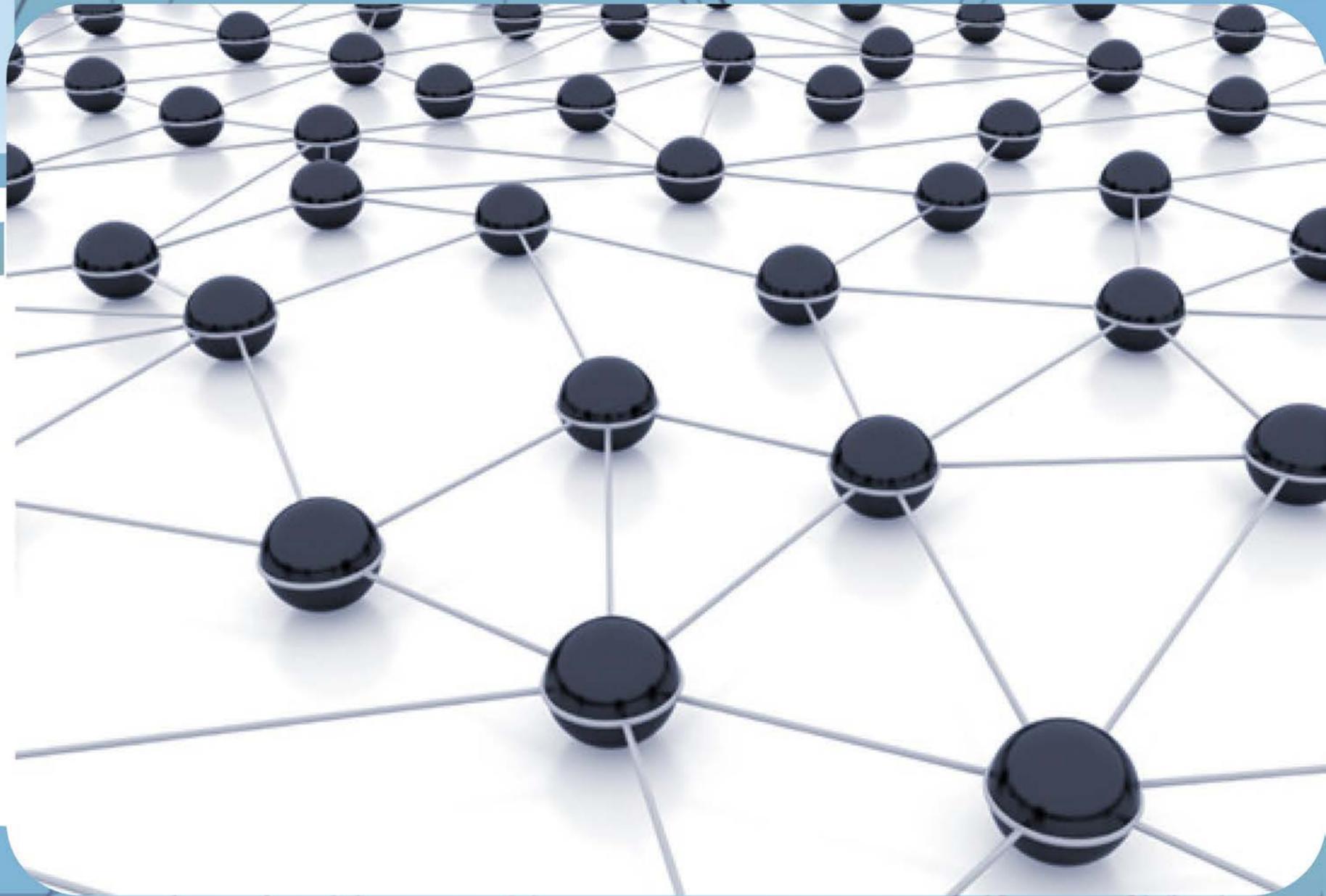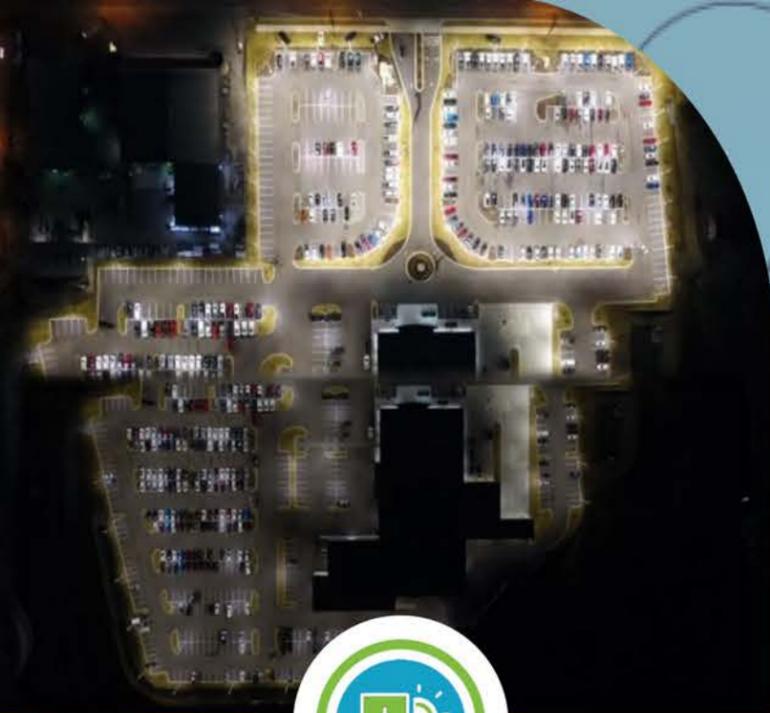
01

Controls On | Off | Dim

Easily configure your lighting & dimming profiles to maximize energy savings for your project

Scheduling, Zones & Events

Simple creation of time and schedule based profiles, group luminaires for zonal control, create special event profiles

02

03

Occupancy Sensing

With our fixture's integrated motion sensor options provide a safety override to your time based schedules

Daylight Harvesting

Utilize our garage or high & low bay daylight harvesting features to dim or turn off lights when artificial light isn't needed

04

05

Energy Monitoring

Our revenue grade energy monitoring helps to provide accurate reporting to make informed system decisions on energy consumption

Asset Management

All inclusive asset management features lets you know exactly how many fixtures you have, the exact luminaire details and exactly where they are installed

06

07

Maintenance & Alerts

Real time maintenance features and system alerts are pushed via text or e-mail so you always know the health of your system, while helping improve service efficiency

Analytics & Reporting

Utilize our analytics & reporting functions to create standard recurring reports or run custom reports whenever necessary

08

The Complexity of Monitoring Multiple Systems and Software

Every connected or IoT platform has its own unique log-in, software and graphical user interface.
Imagine the complexity and difficulty to monitor and manage multiple systems.
Also, imagine how this complexity will grow when more solutions are integrated over time.

The Simplicity of a Single Easy to Monitor Dashboard

Thanks to PangeaLink's customizable connected & IoT dashboard of "widgets", you have quick easy access to all of data in the format you'd like to see.

All of your information available in real-time.
All from a single easy to access visual dashboard.
All from a single software platform with a single log-in.

VISIONAIRE
L I G H T I N G

19645 Rancho Way, Rancho Dominguez, CA 90220
310.512.6480 • www.visionairelighting.com