Indoor/Outdoor Modular Solution for Commercial Applications

Vega

TM
series

ViVidleds
.us ™
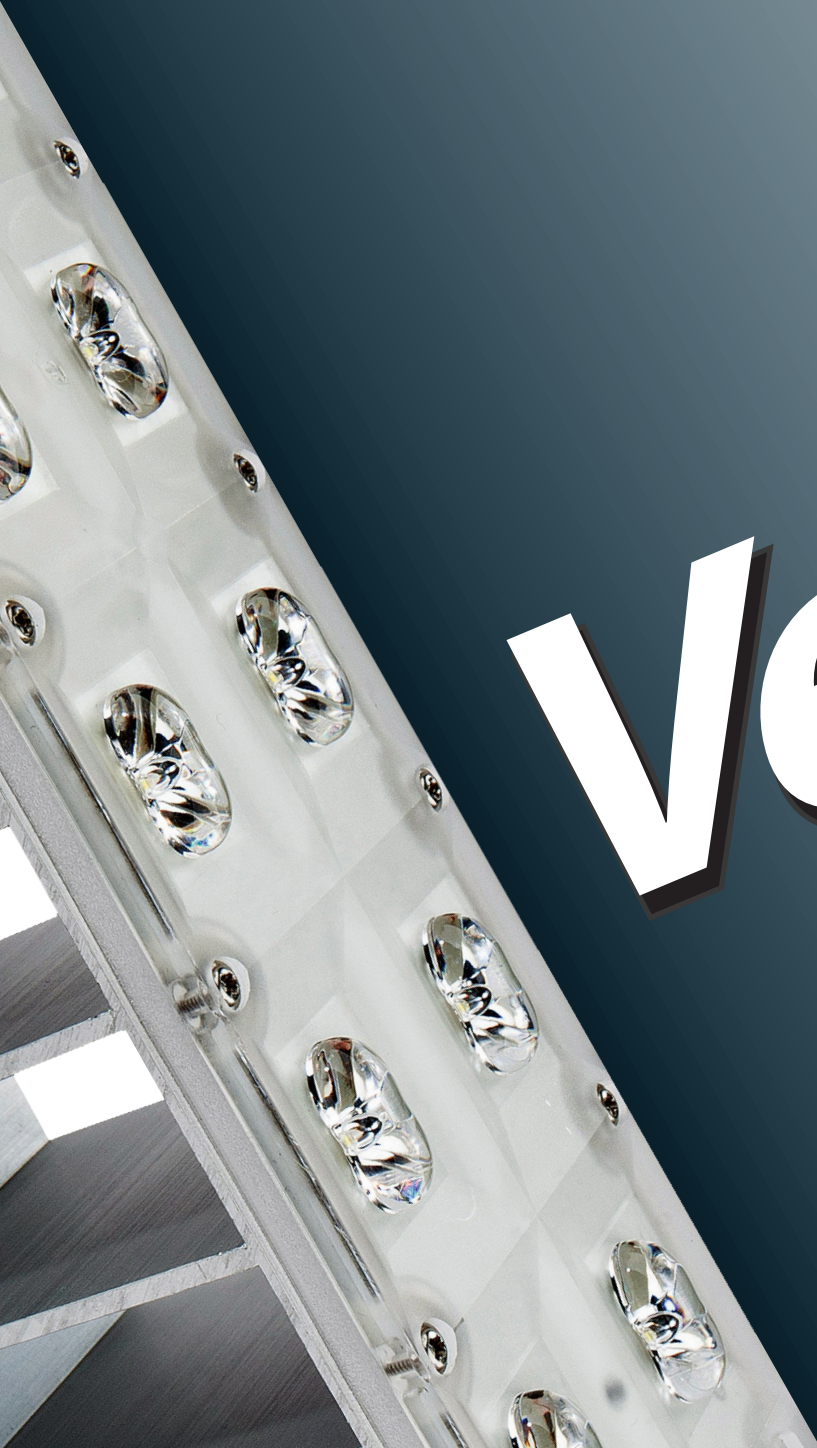
THE ULTIMATE
FLOOD

A flood light that makes all others quiver, the Vega TM can replace 1000W MH with a breeze. Attached to a sturdy trunnion bracket, put the light where you need it most utilizing our multiple optics lens including Asymmetric and Symmetric. From 30W to 300W CREE LED power, the **Vega TM floods brighter than the rest.**

Vega TM Series Features:

The Vega Modular LED Lens System features a durable and abrasion resistent polycarbonate lens housed within a modular design. With a high color rendering index of 75 or greater, all original colors are realized. Vega fixtures demonstrate first class quality within a beautiful, modern appearance. They are national listing lab tested with LM-79 reports to IESNA standards.

Designed with a purpose, the Vega features unprecedented lighting-class brightness, efficacy, lifetime and quality of light. These lighting-class features enable the XPG LED to replace many traditional light sources and save money with energy-efficient light and long lifetimes. Cree's advantage is in the materials they use. CREE® LEDS combine highly efficient InGaN materials with proprietary G•SIC® substrates to deliver superior price/performance for high-intensity LEDS. Typical features of CREE® LEDS include a single wire-bond connection, low forward voltage, exceptional thinness, low heat generation, high electrostatic discharge (ESD) tolerance/resistance and long life. This, coupled with a high performance power supply and extremely durable housing, puts the Vega at the top of its class.

Conforming to ISO9001:2000 Quality Management System, the Vega Area Light products maintain CE, RoHs, UL and cUL Certifications. Utilizing CREE LEDS, Philips drivers, and a frame built to withstand extreme weather, you will be confident with your purchase for years to come. Start saving up to 80% system energy over your existing HID fixture. Utilize Vega's dimming capabilities for even greater results. The Vega shines bright above the rest.

Housing & Finish:

- Patented modular structure to realize power serialization by changing module quantity
- Aerodynamic styling
- Separable installation method
- Complies with Dark Sky requirements when mounted horizontally to the ground
- Heavy grade die-cast aluminum alloy construction built for extreme weather and durability
- Corrosion resistant polyester powder coat finish with 70-90 micrometer thickness
- Available in standard and custom housing colors
- Easy access power door assembly for quick installation and maintenance
- Open air modular heatsink ventilation design for best possible heat dissipation and optimum efficiency
- High shock and vibration resistance approved - 2G vibration test IEC 60598-1
- Flexible drive allocation options for different regions
- Spaces between modules prevent debris build-up by water-flow self-cleaning

LED & Lens Assembly:

- High efficacy CREE XPG LEDS >85 Lm/W
- Glare reducing optical lens design
- Precise, non-image optics system, improves lumen output ratio with uniform distribution
- Lens reflector built directly over the LEDS for accurate beam angle and photometrics
- Durable and abrasion resistant polycarbonate lens with modular design
- Instant on or off without delay or re-strike
- High CRI - RA>75 enhances original colors
- Contains no Mercury or Lead
- No infrared or UV radiation resulting in insect reduction
- National listing lab tested with LM-79 reports to IESNA standards
- Lumen depreciation is L70 at 60,500 hours

TM Mounting:

- Heavy duty trunnion bracket, base rotatable
- Stainless steel, SAE, heavy gauge adjusting screws
- Available in many different IES lens types
- Dimming and electrical cable included, pre-wired, extended outside the unit for quick installation
- Terminal block and quick wire disconnects pre-wired
- External motion sensor and photocell capable

Certifications & Warranty:

- CE, UL, cUL, suitable for wet locations per UL 1598
- All components are IP66 rated according to IEC60598
- RoHS compliant
- Operating temperature: -40 to 55 C
- Operating humidity: 10% to 95%
- 5 year limited system warranty

Electrical:

- Philips Advance Xitanium Class I dimmable drivers for ultimate quality and long life
- Optimized life expectancy of driver is 50,000 hours
- 0-10V and programmable dimming options with a network-ready DALI interface. Zigbee capable
- Lead-wires are 18AWG 105C/600V solid copper
- Voltage ranges from 100-277 VAC, 347-480 VAC, 12 VDC and 24 VDC for solar
- Class "A" sound rating
- Max surge protection of 10kv. IEEE/ANSE C62412
- System power factor is >99% and THD <20%
- Thermal protection reduces the LED output if case temperature exceeds 185 degrees fahrenheit
- EMI/RFI: Title 47 CFR part 15 Class A
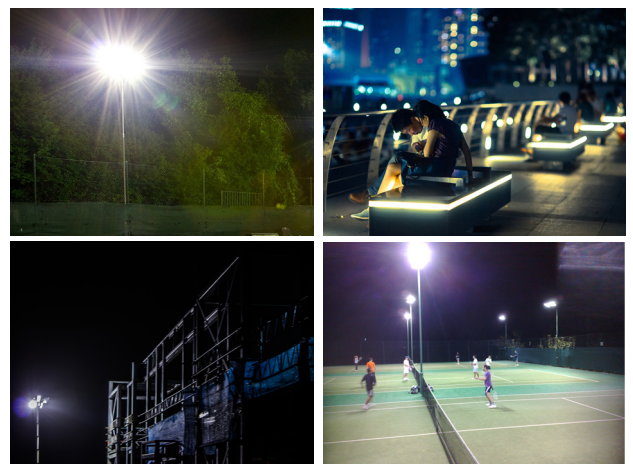- LED driver complies with UL standard UL1012

Available Models:

- VVDTM014: 6.6" (L) - 10.8 lbs
- VVDTM028: 9.2" (L) - 12.3 lbs
- VVDTM042: 11.8 (L) - 13.8 lbs
- VVDTM056: 14.3" (L) - 15.5 lbs
- VVDTM070: 16.8" (L) - 16.8 lbs
- VVDTM084: 19.2" (L) - 20.4 lbs
- VVDTM098: 21.7" (L) - 21.8 Lbs
- VVDTM112: 24.1" (L) - 23.4 Lbs
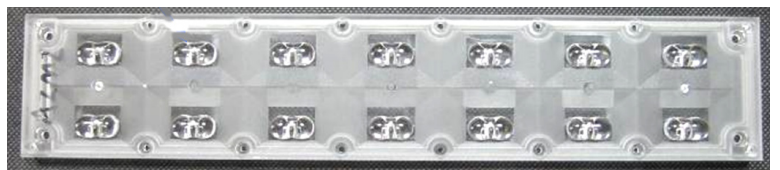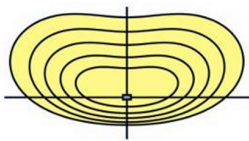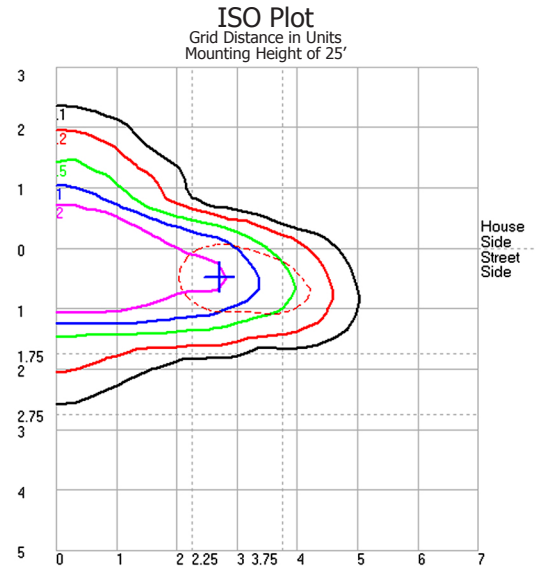- VVDTM126: 26.5" (L) - 25.6 Lbs
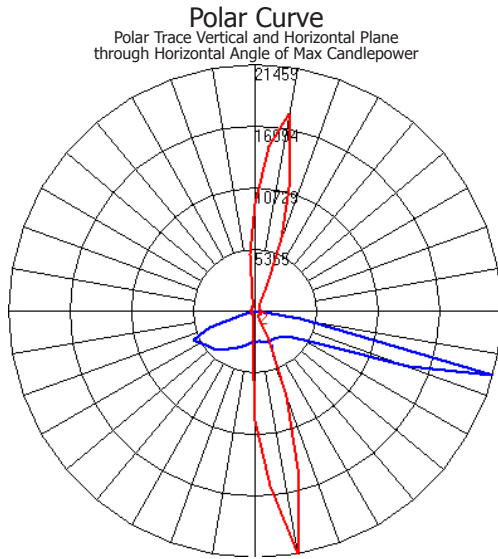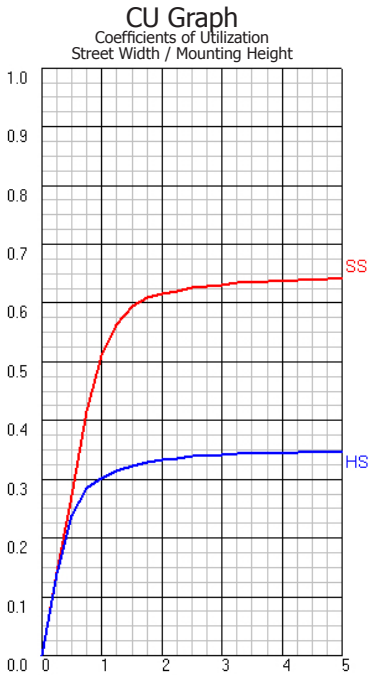- VVDTM40: 28.9" (L) - 30.2 Lbs
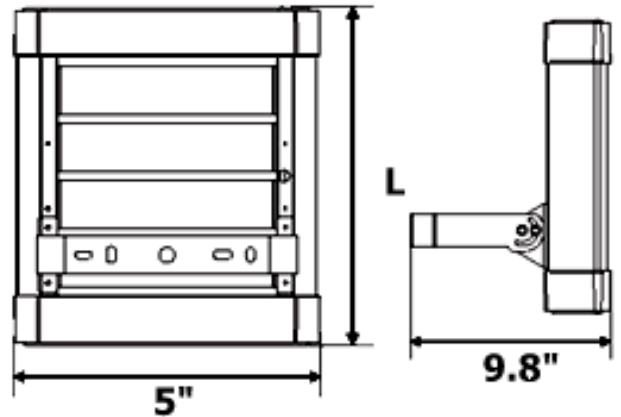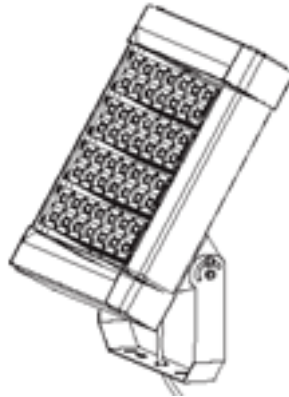
The Vega TM illuminates a stadium ceiling producing amazing indirect light.

OPEN AIR

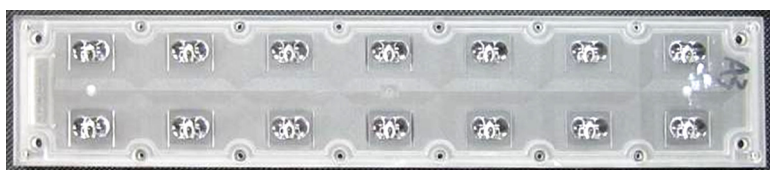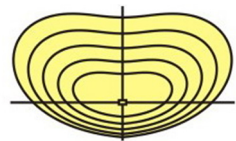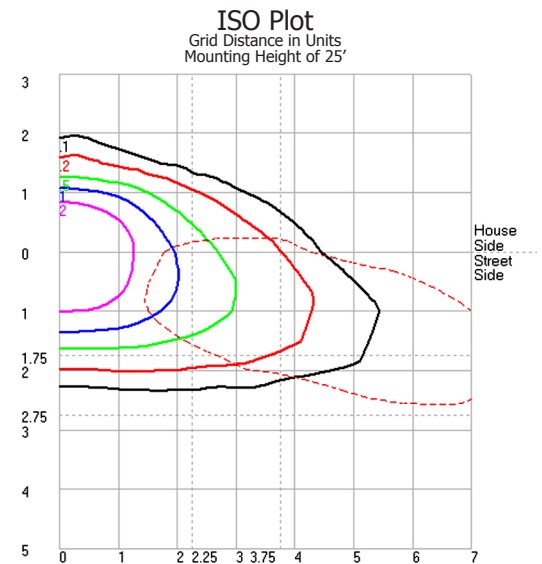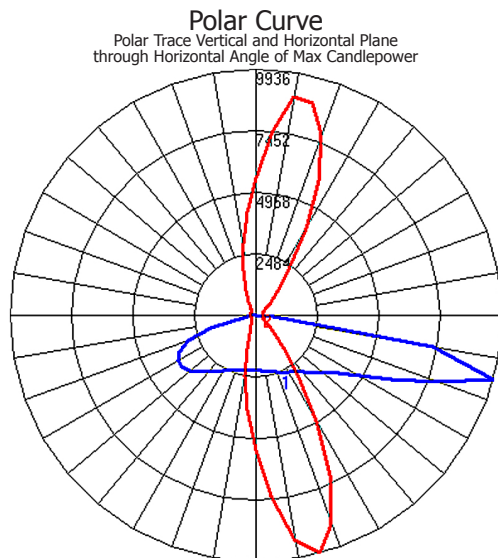**BRACKETS AND MOUNTING ACCESSORIES AVAILABLE. Contact us for a custom quote.**

A2M Lens - Asymmetric Type II Medium

CU Graph
Coefficients of Utilization
Street Width / Mounting Height

SS

HS

Polar Curve
Polar Trace Vertical and Horizontal Plane
through Horizontal Angle of Max Candlepower

21459

16094

10729

5365

ISO Plot
Grid Distance in Units
Mounting Height of 25'

.1
.2
.5
1
2

House
Side
Street
Side

LED POWERED BY:
CREE®

The above photometrics are based on Independant Testing Laboratories certified test report # ITL73461. 126 LED streetlight with 20,446 total integrated lumens at 700mA. 4000K candlepower trace and 85 CRI. 120VAC input.

A3L Lens - Asymmetric Type III Long

CU Graph
Coefficients of Utilization
Street Width / Mounting Height

SS

HS

Polar Curve
Polar Trace Vertical and Horizontal Plane
through Horizontal Angle of Max Candlepower

9936

7452

4968

2484

ISO Plot
Grid Distance in Units
Mounting Height of 25'

.1
.2
.5
1
2

House
Side
Street
Side

LED POWERED BY:
CREE®

The above photometrics are based on Independant Testing Laboratories certified test report # ITL73461. 126 LED streetlight with 20,446 total integrated lumens at 700mA. 4000K candlepower trace and 85 CRI. 120VAC input.

A2MH Lens - Asymmetric Type II Med Horizontal

CU Graph
Coefficients of Utilization
Street Width / Mounting Height

SS
HS

Polar Curve
Polar Trace Vertical and Horizontal Plane
through Horizontal Angle of Max Candlepower

10517
7887
5258
2629

ISO Plot
Grid Distance in Units
Mounting Height of 25'

House Side
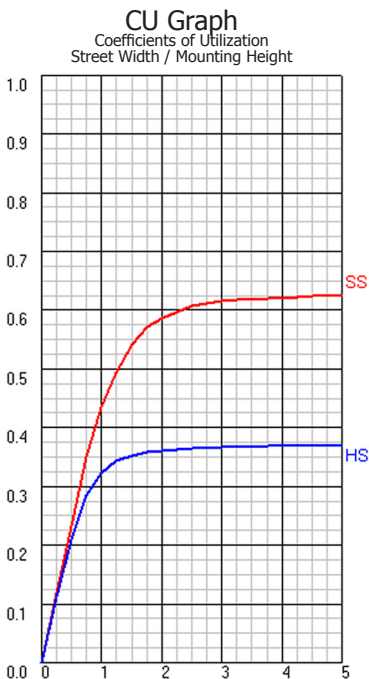Street Side

LED POWERED BY:
CREE®

The above photometrics are based on Independant Testing Laboratories certified test report # ITL73461. 126 LED streetlight with 20,446 total integrated lumens at 700mA. 4000K candlepower trace and 85 CRI. 120VAC input.
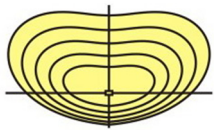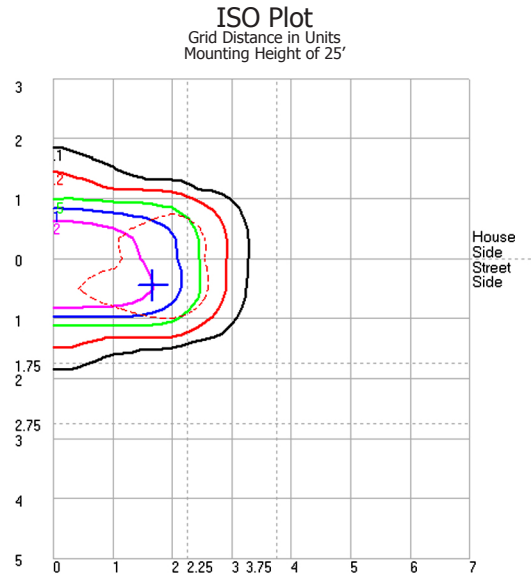
S1S Lens - Symmetric Type I Short

CU Graph
Coefficients of Utilization
Street Width / Mounting Height

SS
HS

Polar Curve
Polar Trace Vertical and Horizontal Plane
through Horizontal Angle of Max Candlepower

13904
10428
6952
3476

ISO Plot
Grid Distance in Units
Mounting Height of 25'

House Side
Street Side

LED POWERED BY:
CREE®

The above photometrics are based on Independant Testing Laboratories certified test report # ITL73461. 126 LED streetlight with 20,446 total integrated lumens at 700mA. 4000K candlepower trace and 85 CRI. 120VAC input.
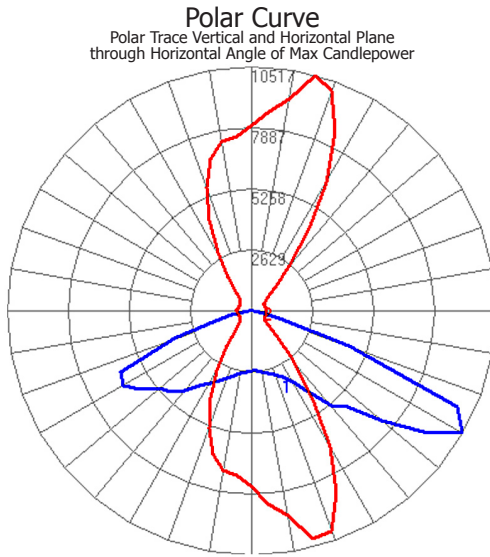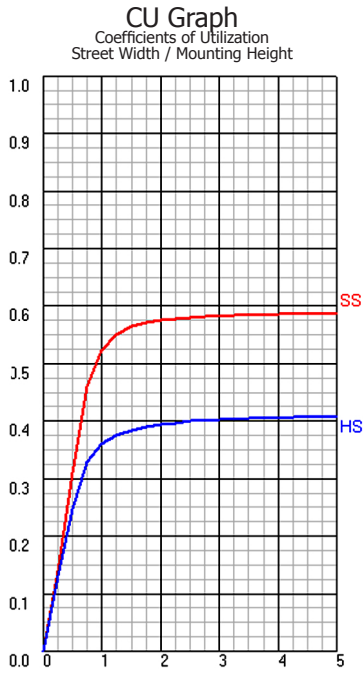
S5M Lens - Symmetric Type V Medium

CU Graph
Coefficients of Utilization
Street Width / Mounting Height

SS
HS

Polar Curve
Polar Trace Vertical and Horizontal Plane
through Horizontal Angle of Max Candlepower

14021
10516
7011
3505

ISO Plot
Grid Distance in Units
Mounting Height of 25'

House
Side
Street
Side

The above photometrics are based on Independant Testing Laboratories certified test report # ITL73461. 126 LED streetlight with 20,446 total integrated lumens at 700mA. 4000K candlepower trace and 85 CRI. 120VAC input.
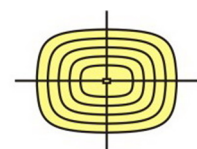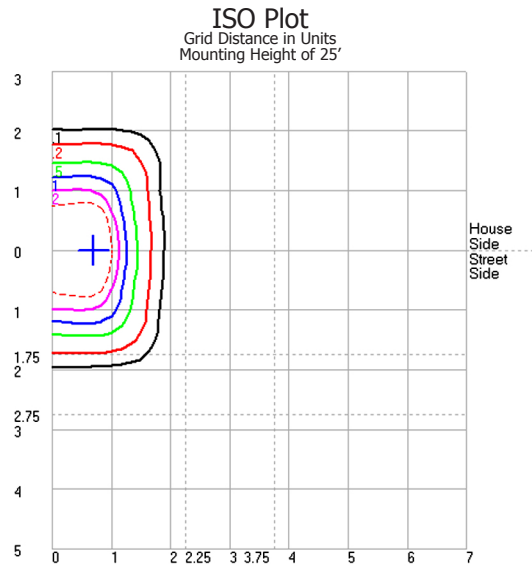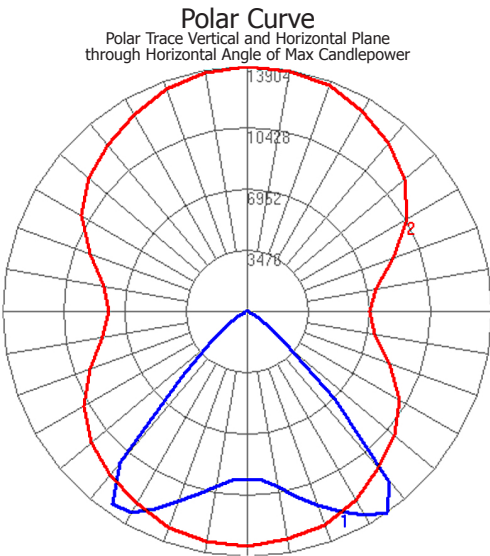
LED POWERED BY:
CREE

S1SH Lens - Symmetric Type I Short Horizontal

CU Graph
Coefficients of Utilization
Street Width / Mounting Height

SS
HS

Polar Curve
Polar Trace Vertical and Horizontal Plane
through Horizontal Angle of Max Candlepower

4164
3123
2082
1041

ISO Plot
Grid Distance in Units
Mounting Height of 25'

House
Side
Street
Side

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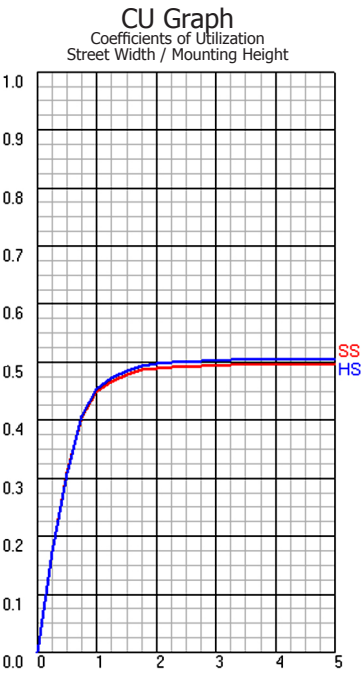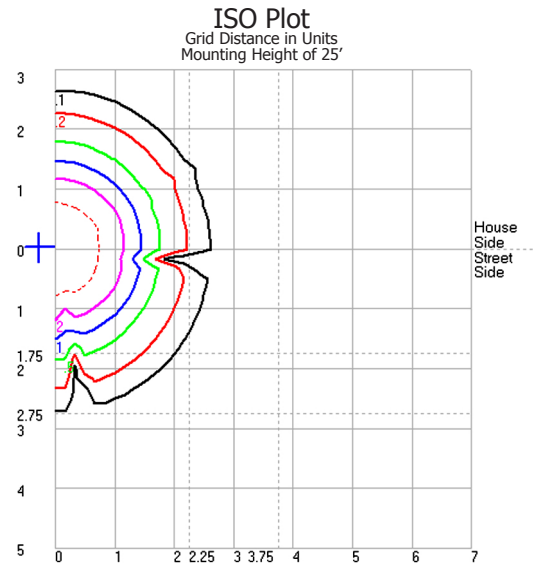
LED POWERED BY:
CREE

S1M Lens - Symmetric Type I Medium
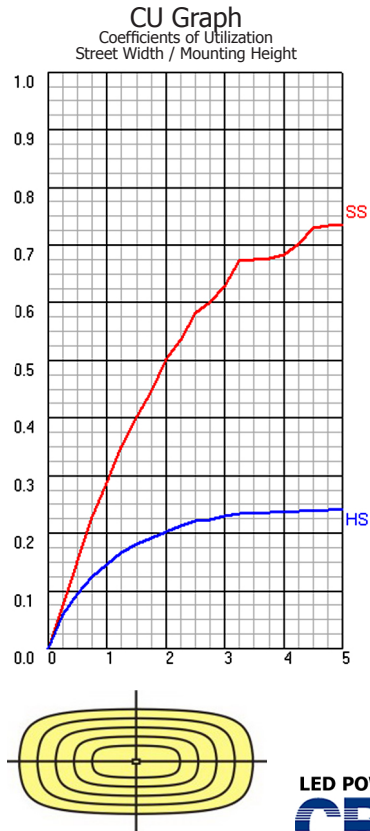
CU Graph
Coefficients of Utilization
Street Width / Mounting Height

Polar Curve
Polar Trace Vertical and Horizontal Plane
through Horizontal Angle of Max Candlepower

ISO Plot
Grid Distance in Units
Mounting Height of 25'

House Side / Street Side

LED POWERED BY: CREE

The above photometrics are based on Independant Testing Laboratories certified test report # ITL73461. 126 LED streetlight with 20,446 total integrated lumens at 700mA. 4000K candlepower trace and 85 CRI. 120VAC input.
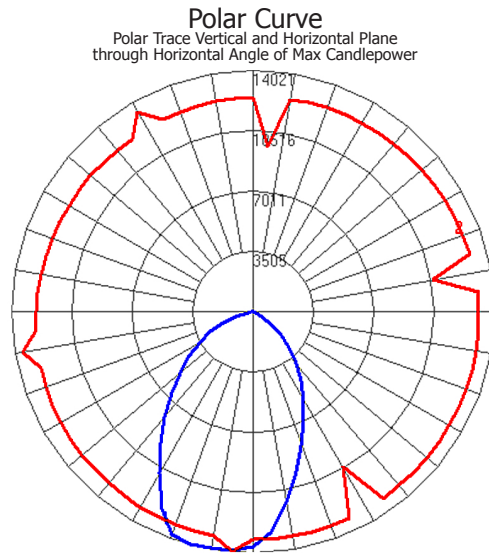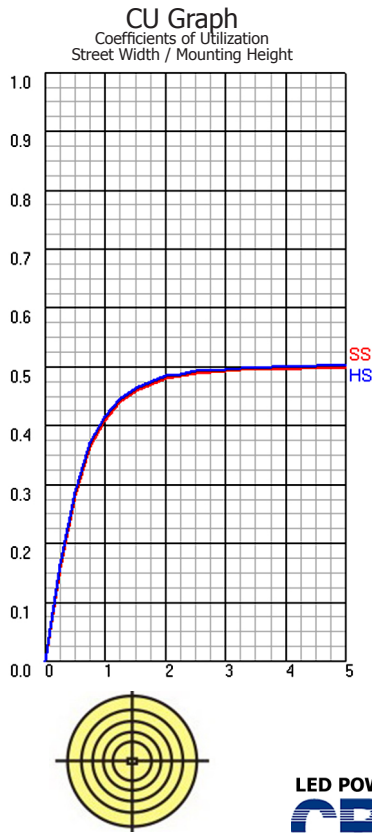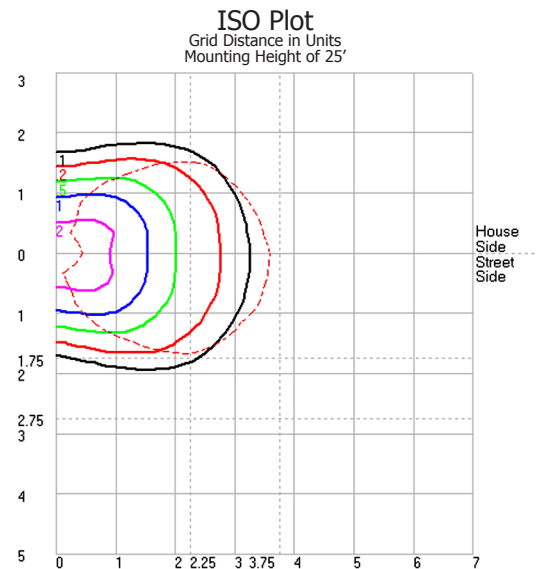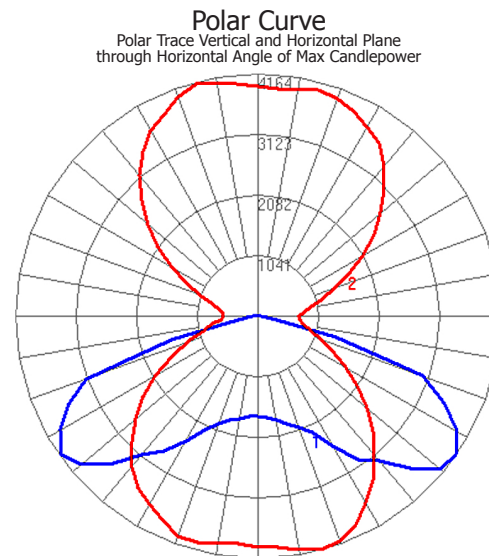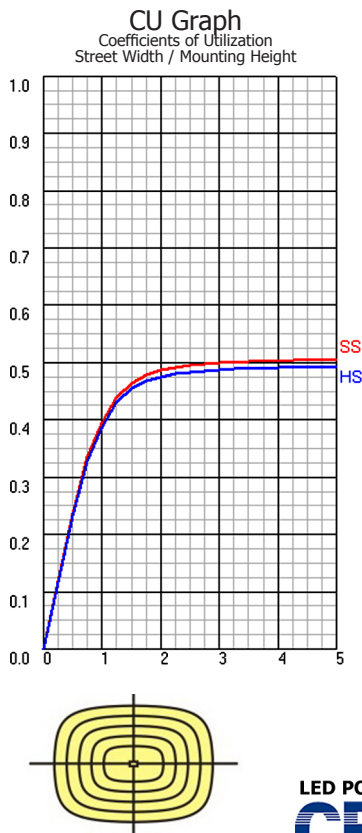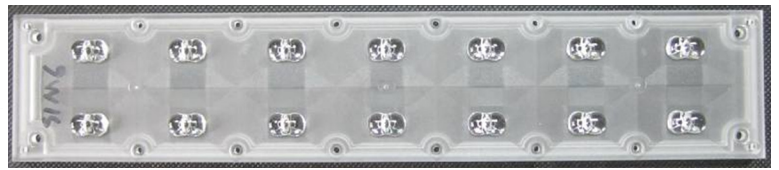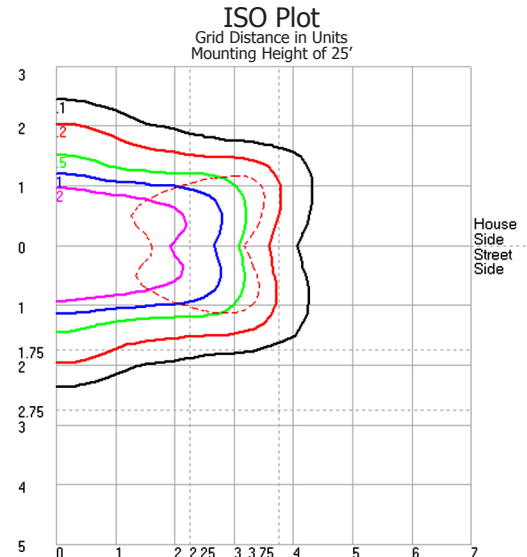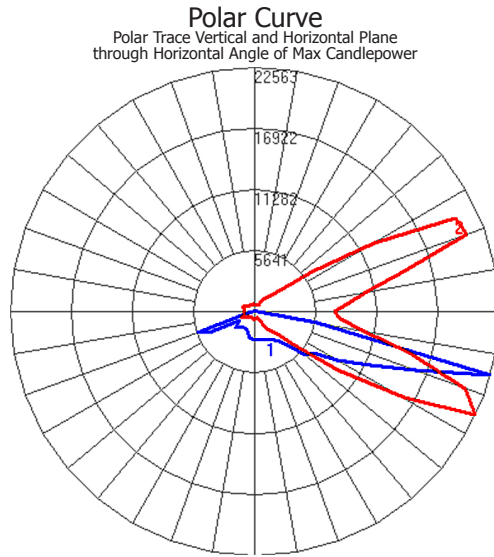
VEGA FAMILY SPECIFICATIONS

ISO 9001 | Dimmable | 5 YEARS WARRANTY

FC | c UL us | UL | CE | RoHS LEAD FREE

# of LEDS	# of Modules	LED Wattage	System Watts 120V	Current (Amps)	Initial Lumens*	Lumens Per Watt	Power Factor	Drive Current	CRI	B	U	G	EPA (SQ. ft)	L70 Hours
14	1	30	33	0.28	2,618	80	0.98	700mA	76	3	0	4	1.17	60,500
28	2	60	67	0.56	5,408	81	0.98	700mA	76	3	0	4	1.31	60,500
42	3	90	96	0.81	8,046	83	0.99	700mA	76	3	0	4	1.45	60,500
56	4	120	129	1.08	10,039	78	0.99	700mA	76	3	0	4	1.59	60,500
70	5	150	164	1.37	12,970	79	0.99	700mA	75	3	0	4	1.72	60,500
84	6	180	191	1.61	15,327	80	0.99	700mA	75	3	0	4	1.86	60,500
98	7	210	224	1.87	17,872	80	0.99	700mA	75	3	0	4	2.01	60,500
112	8	240	250	2.09	20,343	81	0.99	700mA	75	3	0	4	2.21	60,500
126	9	270	286	2.39	22,578	79	0.99	700mA	75	3	0	4	2.34	60,500
140	10	300	315	2.63	25,276	80	0.99	700mA	75	3	0	4	2.48	60,500

*Initial Lumens based on 4700-5300K temperature package. Lumens vary per color temperature selected.

VEGA TM

Modular LED Area Light Fixture

Job Name: _____

Job Type: _____

Due Date: _____

Notes: _____

Before placing an order, we recommend referencing the product data sheet from our website to ensure the most accurate information.

Note: Not all LED configurations and accessories are available for all families of fixtures. Please reference the information found in this datasheet or on our website at www.vividleds.us.

Easy Order

Part Number:

VVDTM _ _ _ — _ — _ _ _ — _ _ _ — _ _ — _ _ — _ _ _ — _ _

Family	# of LEDS	Color Temp	IES Type	Voltage	Finish	Dimming	Drive Current	Accessories
AR	014	W - 2700-3300K	A2M	V27 - 100-277VAC	BK - Black	ND - No-Dim	BLANK - 700mA	BLANK - None
PL	028	N - 3700-4300K	A2MH	V48 - 347-480VAC	SG - Silver Gray	D1 - 0-10V Dim	525 - 525mA	PC - VVD202
SM	042	P - 4700-5300K	A3L	D12 - 12VDC	WT - White	PD - Program Dim (Specify Schedule)	350 - 350mA	SC - VVD208
RM	056	C - 5700-6500K	S5M	D24 - 24VDC	BN - Brown			OC - VVD209
PM	070	Y - 570-575nm	S1S		CS - Custom (Specify Pantone)			RC - VVD201
TM	084	R - 620-625nm	S1SH					TR - VVD200
WM	098	G - 520-525nm	S1M					
RB	112	B - 470-475nm						
	126	CS - Custom (Specify Temp)						
	140							

ORDERING: Send a PO to your representative. If no rep is present, send to orders@vividleds.us or fax to 800-974-3570.