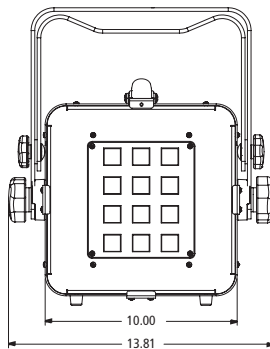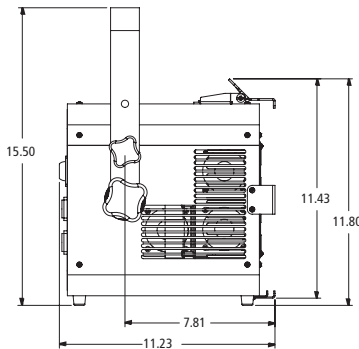# Wildfire
VioStorm™ 120 LED Series
365nm UV LED Lighting Fixtures

The VioStorm VS-120 from Wildfire combines true 365nm output and Long Throw performance, with the control and efficiency of LED's. Featuring Wildfire's intuitive Trias™ DMX/RDM Control System and versatile interchangeable optic sets. VioStorm UV lighting is just the right combination of powerful output versatility and control for a perfect black light storm.

Features:

- Powerful 365nm Peak UV Output
- Convenient Universal Voltage Input
- Intuitive DMX/RDM Control & Monitoring
- Individual LED Protection
- Intelligent SinkPAD™ Thermal Management
- Flicker Free 16 Bit Dimming Resolution

- Versatile Interchangeable Optic Sets
- Standard 10″ Accessory Frame
- Heavy Duty Aluminum Construction
- Stainless Steel Hardware
- ROHS Compliant
- Designed and Built in the USA

Standard Equipment:

147-021	Truss Clamp
147-002	Safety Cable
106-052	PowerCON Power-Out Connector

Optional Accessories:

146-002	10″ Barn Doors
138-050	10° Spot Optic Set x2
138-051	24° Wide Spot Optic Set x2
138-052	40° Flood Optic Set x2

Ordering Example: (Select item from each box)

Model	Wattage	Optics
VS	120	

Optics

S - 10° Spot
WS - 24° Wide Spot
F - 40° Flood

Specifications:

Housing:	5052 aluminum with stainless steel hardware
Finish:	Flat black powder coat
Mounting:	Fully adjustable yoke with three height positions and integrated removable floor stand
UV Light Source:	Twelve 10W 365nm UV LED emitters
Radiant Power:	24,480 mW
LED Life:	20,000Hr. at 25° C
Optics:	Molded Optical Grade Silicone 10°, 24° or 40°
Operating Temperature:	-10° to 115° F / -20° to 45° C
Humidity:	0-95% non-condensing
Power Connections:	Neutrik PowerCON 1 Input and Output
Power Linking:	Four units at 120VAC
Power Cord:	9' 14/3 SOW with PowerCON 1 and male Edison
DMX Connections:	Neutrik Gold, 5-pin XLR Male, 5-pin XLR Female
DMX Channels:	Three (2 Dimming, 1 Effects)
Control Modes:	Two (DMX 512 and Local)
Operation Modes:	Three (1 Channel, 2 Channel, 3 Channel)
USB Connection:	Amphenol Rugged Mini-B USB Female
Power Input:	100-240 VAC / 50-60Hz.
Power Consumption:	175 Watts
Circuit Protection:	7 Amp hydraulic magnetic breaker switch
Accessory Frame:	10″ / 25.4 cm
Weight:	13.35 lbs. / 6.05 kg.
Protection Rating:	IP-20
Safety Listing:	ETL #5004307
Warranty:	Three years parts & labor

DESIGNED ENGINEERED AND BUILT IN THE U.S.A.

RoHS Compliant

SinkPAD™ Cooling Matters...

TRIAS™ UNIVERSAL CONTROL

ETL CLASSIFIED
C ETL US
LISTED
Intertek

Project	Approval / Date
Location	Fixture Type

Spectral Output Graph:

PERCENTAGE OF TRANSMISSION (y-axis: 0, 10%, 20%, 30%, 40%, 50%, 60%, 70%, 80%, 90%, 100%)

WAVELENGTH /NM (x-axis: 320–680)

UV-A | VISIBLE LIGHT
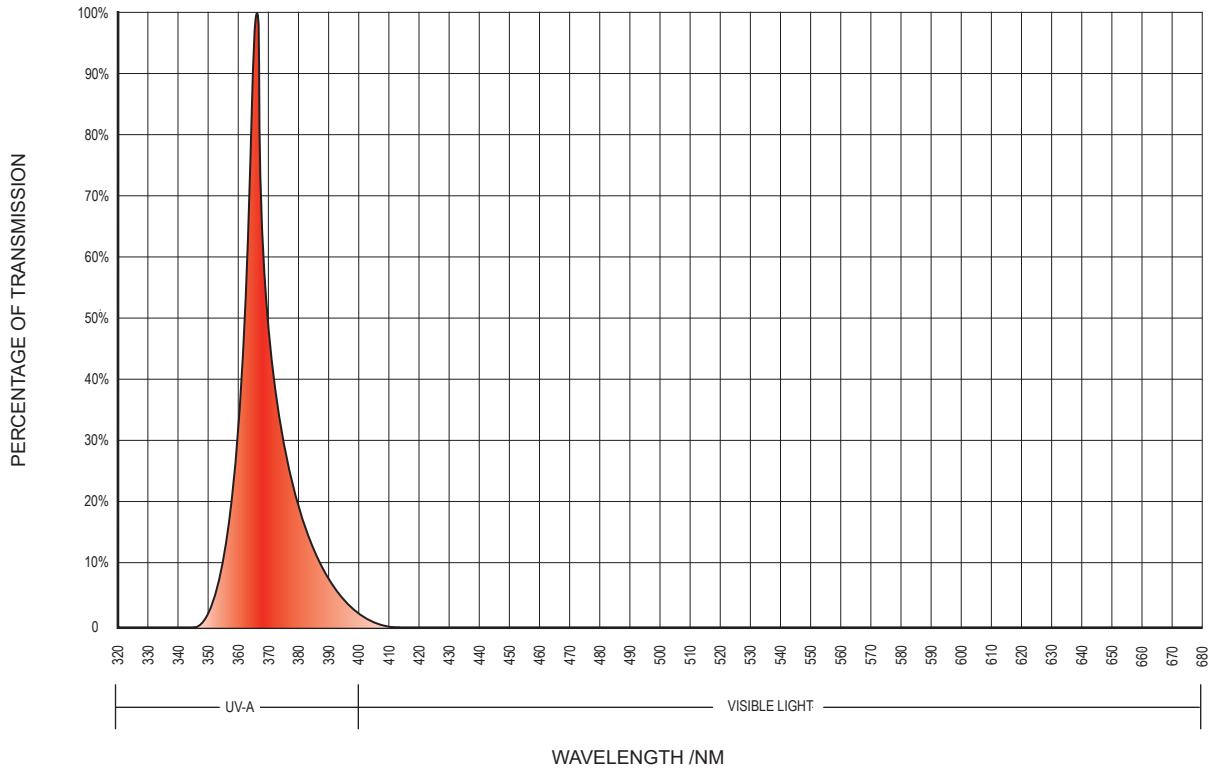
Photometrics Chart:

Model VS-120S 10° Spot
Distance in **Feet** / Meters

	5 / 1.52	**10** / 3.05	**20** / 6.10	**30** / 9.14	**40** / 12.19	**50** / 15.24	**60** / 18.29	**70** / 21.33	**80** / 24.38	**90** / 27.43	**100** / 30.48	**110** / 33.53	**120** / 36.57
Beam Spread Feet	0.90	1.70	3.50	5.20	7.00	8.70	10.50	12.20	14.00	15.70	17.50	19.20	21.00
Beam Spread Meters	0.27	0.52	1.07	1.58	2.13	2.65	3.20	3.72	4.27	4.79	5.33	5.85	5.85
Peak UV-A Irradiance $\mu W/cm^2$	2400	600	150	66.6	37.5	24.0	12.2	9.3	7.4	6.0	4.9	4.1	3.5

Model VS-120WS 24° Wide Spot
Distance in **Feet** / Meters

	5 / 1.52	**10** / 3.05	**20** / 6.10	**30** / 9.14	**40** / 12.19	**50** / 15.24	**60** / 18.29	**70** / 21.33	**80** / 24.38	**90** / 27.43	**100** / 30.48
Beam Spread Feet	1.43	4.30	8.50	12.80	17.00	21.30	25.50	29.80	34.00	38.30	42.50
Beam Spread Meters	0.64	1.31	2.59	3.90	5.18	6.49	7.77	9.08	10.36	11.67	12.95
Peak UV-A Irradiance $\mu W/cm^2$	1525	381	95.3	42.3	23.8	15.2	10.5	7.7	5.9	4.7	3.8

Model VS-120F 40° Flood
Distance in **Feet** / Meters

	5 / 1.52	**10** / 3.05	**20** / 6.10	**30** / 9.14	**40** / 12.19	**50** / 15.24	**60** / 18.29	**70** / 21.33	**80** / 24.38
Beam Spread Feet	3.60	7.30	14.60	21.80	29.10	36.40	43.70	51.00	58.20
Beam Spread Meters	1.10	2.22	4.45	6.64	8.87	11.09	13.32	15.54	17.74
Peak UV-A Irradiance $\mu W/cm^2$	1325	331	82.8	36.8	20.7	13.2	9.2	6.7	5.1

All peak UV-A irradiance measurements taken at beam center using UVX Digital Radiometer and a calibrated 365nm sensor