4X 120W LED Controller
with 4x CrashLED
Data Sheet

contact:

www.hyper-imaging.com
for details, pricing and availability

4X 120W LED Controller

The latest Veritas 4 channel LED controller provides both control and regulated DC power to a number of Veritas LED light heads. Among these are the LED 12, LED 8, FLEX LED, as well as future LED head designs currently in development.

When an external control pulse input is provided, the 4X 120W LED Controller provides synchronization of up to four (4), 120W luminaries.

With pulse (Strobe) mode, the intelligent controller adjusts the current delivery for optimal luminous output of all luminaries. The controller also monitors the luminary temperature and enables or disables operation of cooling fans as needed.

With integrated WiFi, USB, and LAN accessibility, the 4X 120W LED Controller can be controlled remotely or directly connected providing flexibility and portability to any application.

4X 120W LED Controller

4 independent channels with IntelliStrobe

Smart detection and control

Compatible with Flex LED, LED 8, LED 12, Constellation 120HC, ConstellationX, and LED-120CS75G

Integrated WiFi, LAN, USB Interfaces

Internal Timing Hub

Integrated GPS Receiver

Direct Interface or Computer/Mobile Device Control

Head temperature monitoring and control

Product specifications and descriptions in this document are subject to change without notice

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4X 120W LED Controller - Specifications

Input Specifications	
Operating input voltage	48VDC - 52VDC
Necessary input current for full load (max):	11A (continuous) 16A (pulse)
Synchronization	
Input	Compatible with 5V and 3.3V level signals (CMOS)
Out	5V level signal (CMOS)
GPS:	Active antenna (3.3VDC)
Control	
USB:	2.0 - client mode
LAN:	10/100 - DHCP client (normal mode, connects to a router) local address (direct connection with a computer)
WiFi:	g(2.4GHz) - DHCP server (the device generates its own access point for other devices to connect)
Operation Modes	
Local Control	Continuous full ON Computer/MD controlled
Computer/MD Control	Continous with dimming Simple pulse (follows Sync-In) GPS aligned pulse (Internally generated) 1PPS aligned pulse (delivered in Sync-In port) (Internally generated).
Temperature	
Operating Temperature	-40° C to 45° C
Mechanical Dimensions & Weight	
Dimensions	281.18x101.60x38.10 mm (w/out feet) 281.18x101.60x47.63 mm (w/feet) or 11.070x4.000x1.500 inch (w/out feet) 11.070x4.000x1.875 inch (w/feet)
Approx. Weight	2.5 lbs or 1.13 kg
Software	
LED Control:	WIN
LED Control	iPhone/iPad
Certification	
Certified	FCC, CE
Standard Shipped Accessories	
Accessories	Antenna

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CrashLED

The CrashLED provides a high intensity luminous output (14,000 lm continuous - 24,000 lm Intelli-Strobe) at an attractive price level. Its flexible mounting options and compact form make this luminaire easy to deploy in a wide range of applications.

When several units are used in a cluster, such as area illumination, the 4X 120W LED Controller is available to provide power and extensive control options via Ethernet, USB and WIFI. A single controller is also available offering power, synchronization, and continuous/pulse operation for projects that require a single luminaire.

The CrashLED comes with a multitude of mounting options via 1/4-20" or 8/32" adding to its overall flexibility.

With its wide 75° FWHM (Full Width Half Max) beam angle, this luminaire is perfect for illuminating tight areas where space is a premium.

Extremely Compact

200G Impact Rated

Low glare anti-reflective coated lens
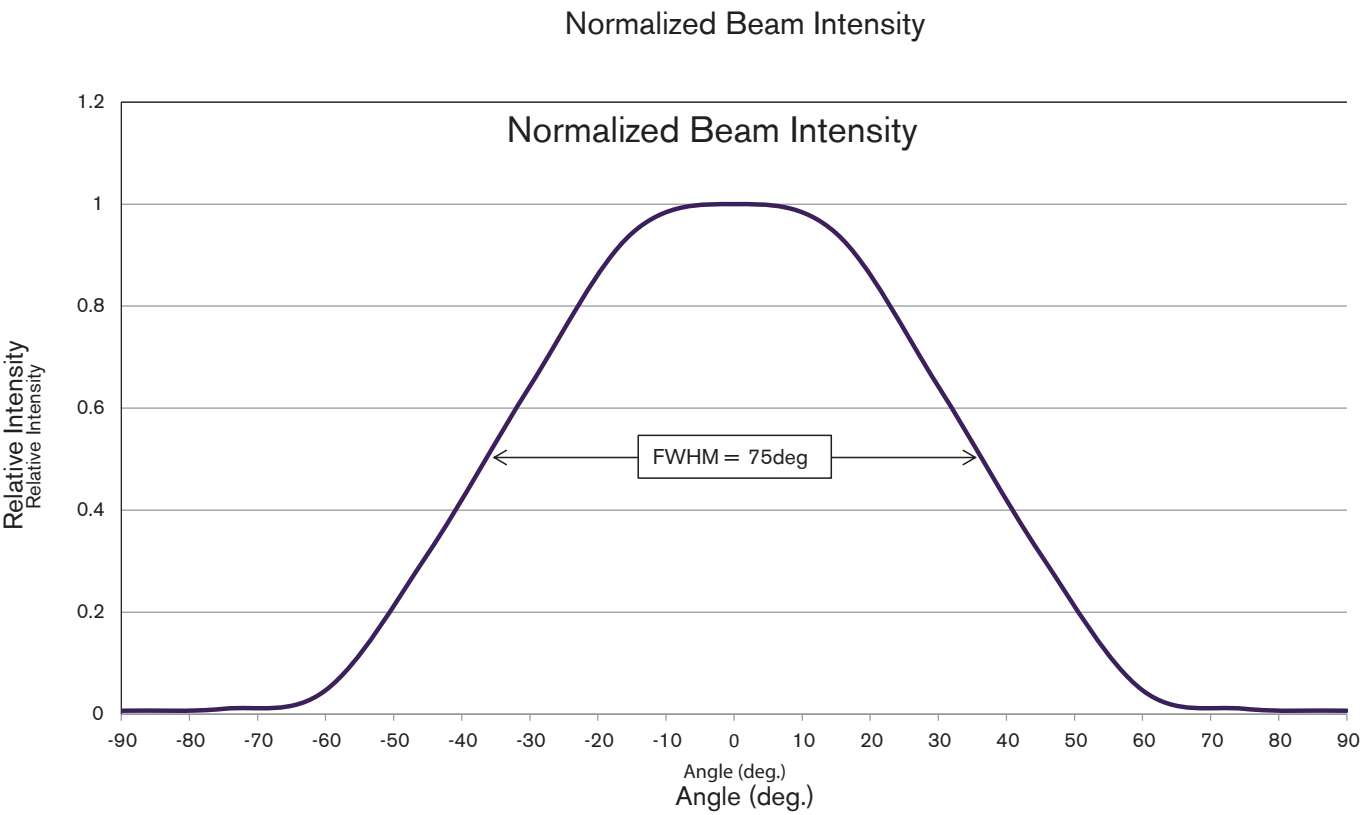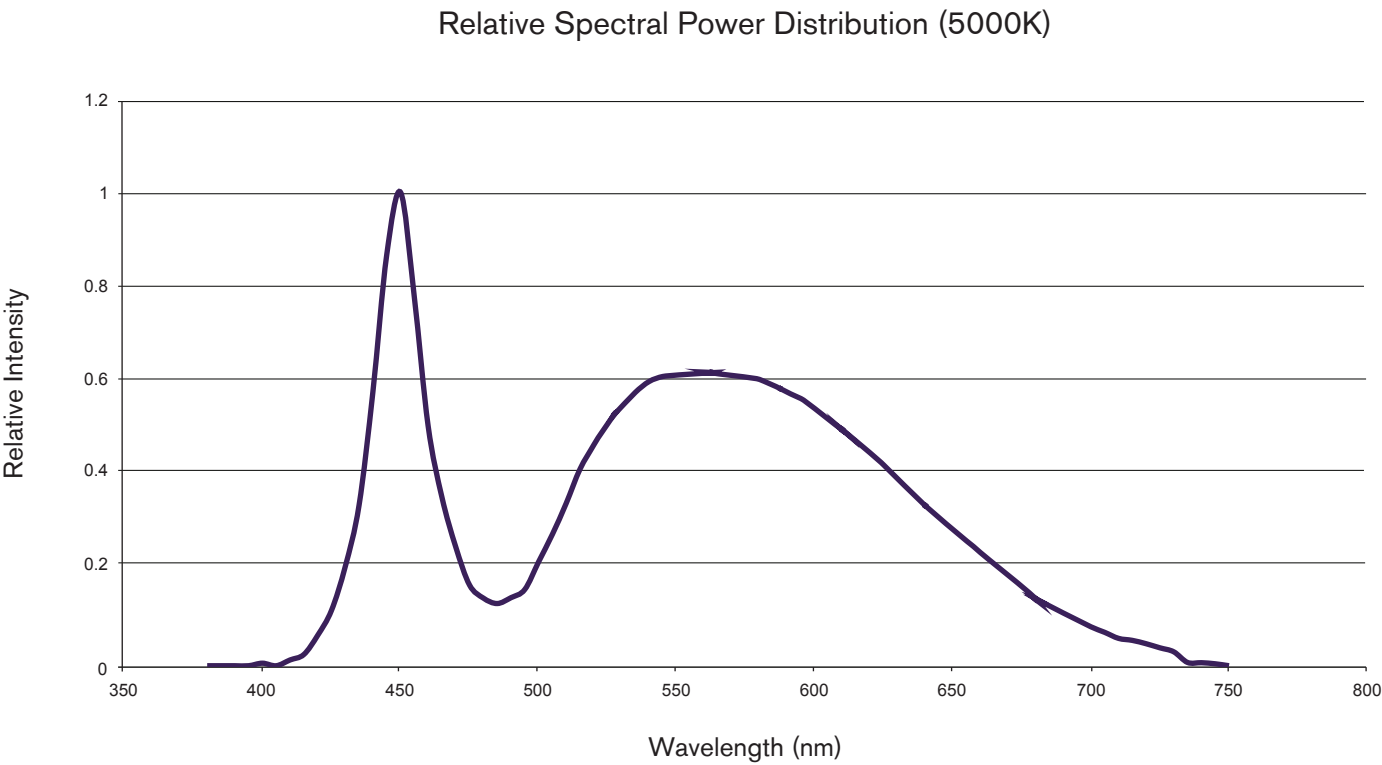
1/4-20" or 8/32" mounting options

Wide beam angle at 75° FWHM (Full Width Half Max)

CrashLED - Specifications

Optical	
Optical System	Reflector

Beam	
Beam Angle	75° @ Full Width Half Max

Temperature	
Operating Temperature	From -40° C up to 70° C. Extended temperature range available up to 90° C
White Light Color Temperature	5000K
Thermal Cutoff	80° C

Luminous Flux	
Color Temp.	5000K
Continous:	14,000 lm
Strobe (Maximum):	24,000 lm

Mechanical	
Dimensions:	2.377x1.79x2.2 in (including LEMO) 2.2x1.79x2.2 in (excluding LEMO)
Weight:	0.625 lb or 0.284 kg
Mount	¼-20" and 2x 8-32" on 4 sides

Estimated LED Lifetime	
Lifetime Expectancy	40,000 Hours

Power	
120W LED Controller Input Voltage	12-36VDC
4X 120W LED Controller Input Voltage	48VDC
External Power Supply	100-240 VAC
Power Consumption	120W in Continous Operation 200W in Strobe Operation

Power and Synchronization Connection	
Connection Type	6-Pin Size 1B LEMO

Shock	
Impact	200G - All Axes

Certifications	
Certificates	FCC, CE

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CrashLED - Photometric & Spatial Profile Data

Relative Spectral Power Distribution (5000K)

Relative Intensity vs Wavelength (nm)

Normalized Beam Intensity

Normalized Beam Intensity

Relative Intensity vs Angle (deg.)

FWHM = 75deg

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