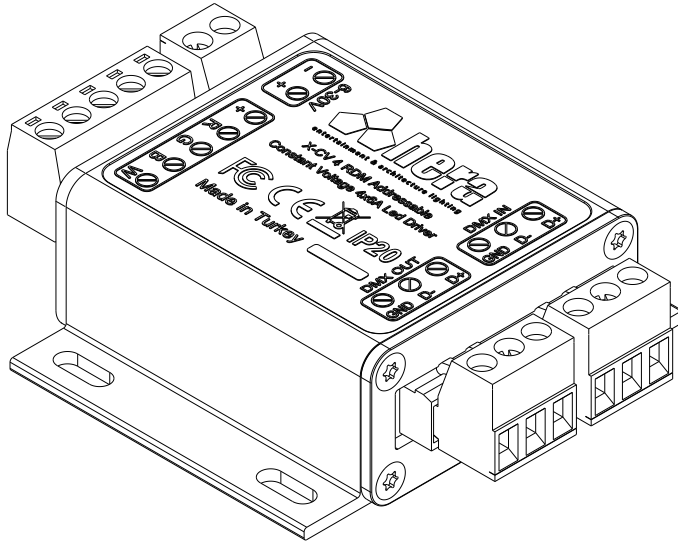


X-CV4 CONSTANT VOLTAGE LED DRIVER

Specification Sheets

V1.0



Date _____
Company _____
Project _____



Explanation

X-CV4 DMX/RDM (4 Ch. Constant Voltage) LED Driver is used to control Ledstrip or Flexi Ribbon products working at 12V, 24V constant voltage. X-CV4 has 4 channel-output. 4ch or 3Ch is selectable through DMX Personality. Maximum 24A (4x6A) current can be drawn from the output of the X-CV4 driver. Due to flicker free PWM feature, there is no tremor in video shooting, which makes it confidently used in the publishing industry. The output on X-CV4 features an "RGBW indicator LED" that displays the light color.

- X-CV4 DMX/RDM LED Driver provides compatible communication with other fixtures using standard DMX512 and RDM protocols without requiring any other special communication protocol or production ID. They are remotely addressable in group via RDM protocol. This feature allows for easy pixel mapping and addressing after all installations have been completed.
- Through RDM monitoring and software, it is possible to follow and determine: whether the fixtures are working properly, voltage input and output warnings, serial number and display of regional temperature values and DMX address. The user is informed by e-mail according to incoming data, thus automatic interventions are possible based on received data.
- Voltage input in the 6V~ 30V range can be applied to the X-CV4 device and controlled through PWM between 0-255 per channel.
- X-CV4 DMX/RDM LED Driver works through Madrix® software and hardware in coordination. Pixel mapping can be made easily by selecting fixtures in Madrix® library.
- Easy fixation to the surface with wall mounting holes.
- Extruded aluminium body.
- X-CV4 DMX/RDM LED Driver is produced in RAL9005-black color as standard, and is also available in different colors in RAL code upon request. The device has black iron screws.

Specifications

Output

Output Voltage:	6-30VDC
Output Current:	4x6A
Output Type:	Constant Voltage
Coutput Port:	4Ch.

Connections

Power Input :	2 pin Screw Terminals
Power Output:	5 pin Screw Terminals
Data Input:	3 pin Screw Terminals
Data Output:	3 pin Screw Terminals

Control/User Interface

Device Test Output Status:	RGBW LEDs
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Control and Programing

Color Resolution:	4 x 14-bit (Gamma correction)
Addressing:	RDM (Group of Remote Addressable Systems)
Monitoring:	Voltage Monitoring, Temperature Monitoring, Status Monitoring, Power Cycle Monitoring, Lumen-Maintenance Life Monitoring
PWM Frequency:	1,600Hz flicker free dimming to 0.1%
DMX Compliance:	USITT DMX512-1990
RDM Compliance:	ANSI/ESTA E1.20-2010
Surface Finish:	Clear Anodized (standard) or Custom Any Anodized (optional)

Electrical:

Operating Voltage:	6-30VDC
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Physical

Housing:	Extruded Aluminium
End Cap Material:	Aluminium Sheet Metal
Installation Brackets:	Wall Mount
Hardware :	Black Iron
Surface Finish:	RAL 9005 Electrostatically polyester powder coat (standard) or Custom Any RAL (optional)
Vibration Resistance:	Complies with ASTM B117 standard only painted models
Corrosion Resistance:	Complies with ASTM B117 standard
Ingress Protection Rating:	IP20
Humidity (max.):	0 to 98%, non-condensing

Measurements

Weight:	0,150Kg /0,330lb
Dimensions (H x W x D):	25x71x89mm /1x2,7x3"

Environmental

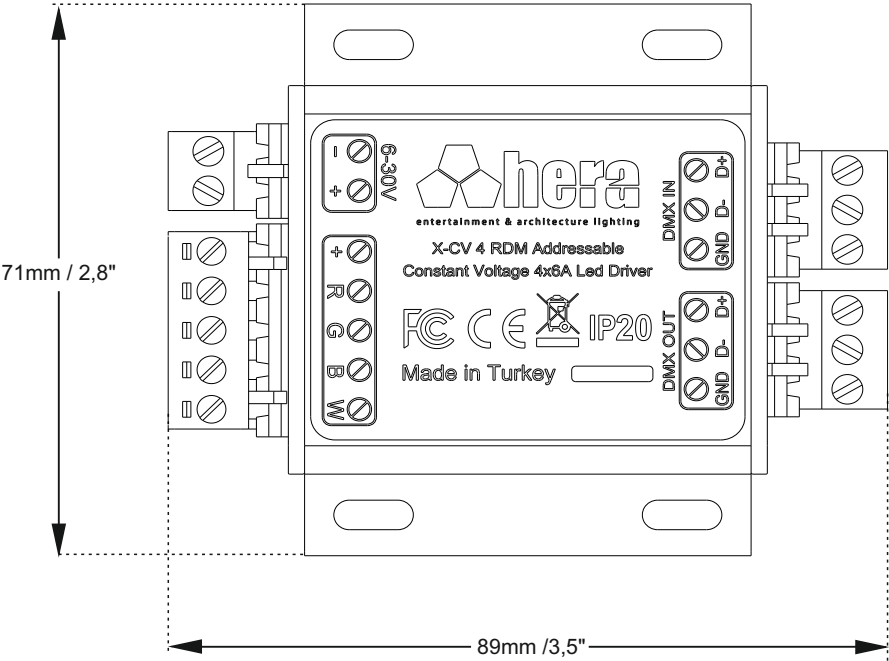
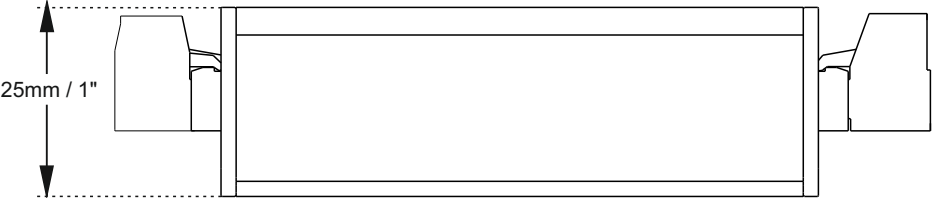
Storage Temperature:	-40°C - 85°C - (-40°F - 185°F)
Start-up Temperature:	-25°C - 50°C - (-13°F - 122°F)
Operating Temperature:	-25°C - 50°C - (-13°F - 122°F)
Thermal Protection:	Automatic overtemperature protection
Cooling:	Cooling by free air convection
Vibration Resistance:	Complies with ASTM B117 standard only painted models
Corrosion Resistance:	Complies with ASTM B117 standard
Ingress Protection Rating:	IP20
Humidity (max.):	0 to 98%, non-condensing

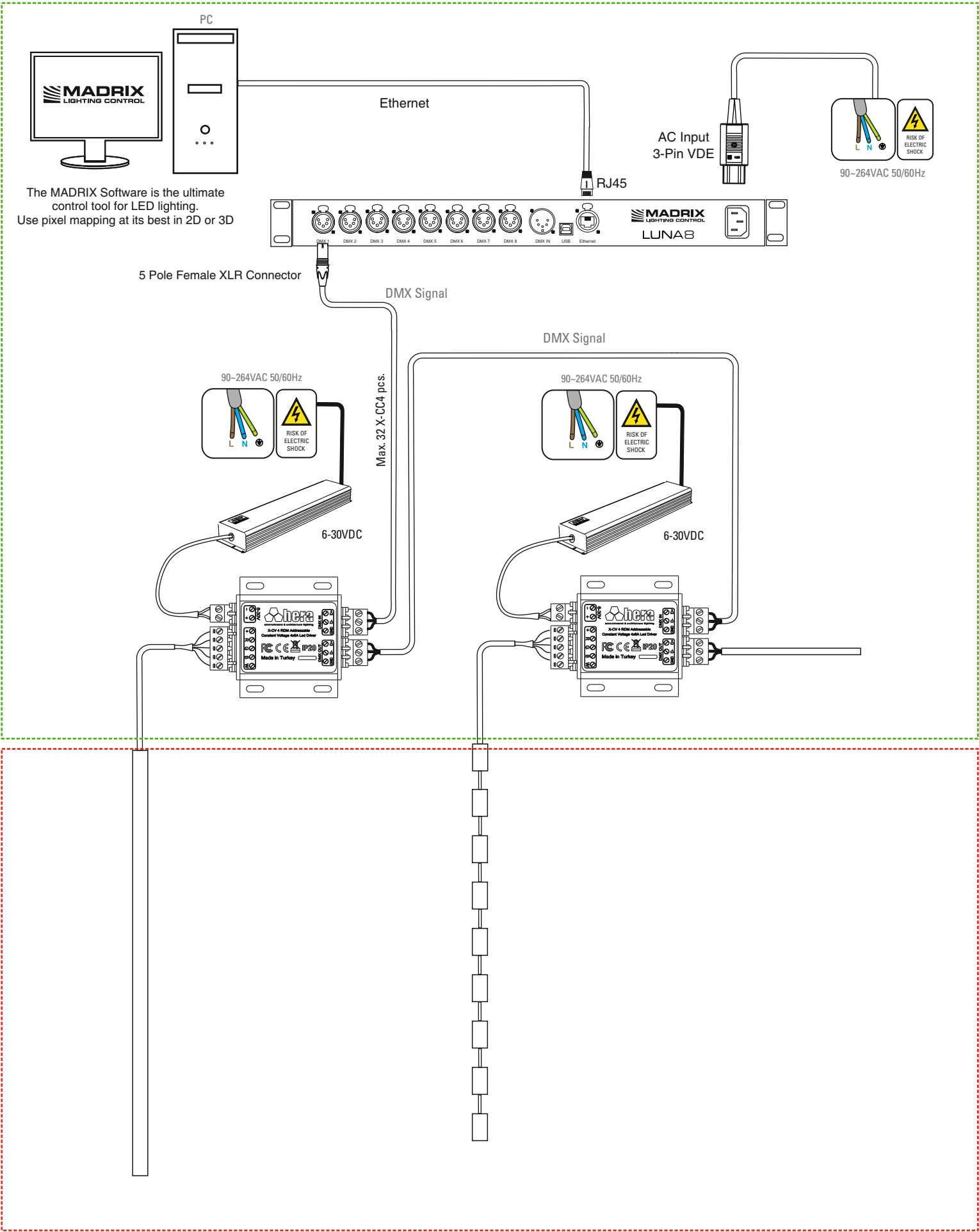
Test:

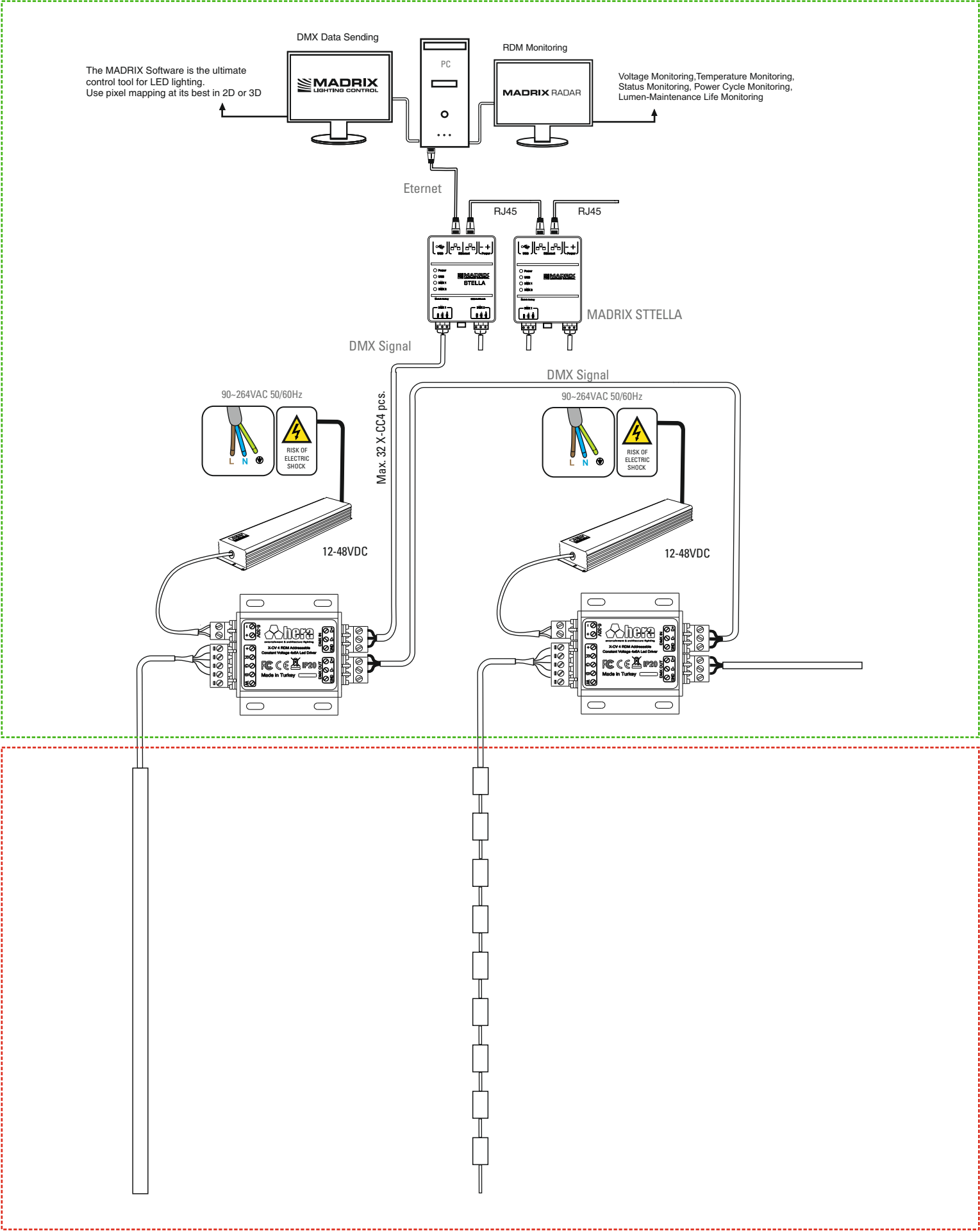
All Hera LED products are assessed by a stringent 100 hour test, above and beyond what they would come across in the real world. This can be seen from our advanced RDM Monitoring System as well, leaving no place for doubt. This strict testing, builds trust, when your reputation is on the line. It is our company's culture and heritage, also our way of securing our worthwhile Customers.

Certification

EU Safety:	EN61347-1, EN61347-2-13, EN61347-2-11
EU EMC:	EN55015, EN61547
US EMC:	FCC Part 15 Class A
Warranty:	5-year Limited Warranty







RDM Explanation

X-CV4 Constant Voltage LED Driver complies with the RDM Monitoring Command System. In order to use RDM Monitoring System, a compatible controller is required depending on the installation. Through DMX data connection, it is possible to control or change the fixture's settings, send commands and receive or monitor the fixture's data. The recommended RDM controller and the wiring diagram can be found on page 5. RDM command functions supported by X-CV4 Constant Voltage LED Driver are given in the list below.

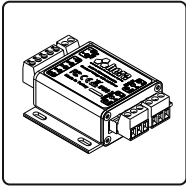
Device Management	Get	Set
Device Info	✓	
DMX Start Address	✓	✓
Identify Device	✓	✓
Device Model Description	✓	
Device Label	✓	✓
Software Version Label	✓	
DMX Personality	✓	✓
DMX Personality Description	✓	
Device Hours	✓	
Lamp Hours	✓	
Device Power Cycles	✓	
Status Message	✓	
Queued Message	✓	
Status ID Description	✓	
Supported Parameters	✓	
Parameter Description	✓	
Factory Defaults		✓
Sensor Definition	✓	
Sensor Value	✓	
Record Sensor		✓
Reset Device		✓
Power State	✓	✓
Perform Self Test		✓
Self Test Description	✓	
Language	✓	

* The command names and command functions used on different RDM controllers may vary.

* Incompatible RDM controllers may cause drawbacks such as partial operation, no-operation, or incorrect fixture information.

* You can check the recommended RDM controllers on the www.heraled.com website.

Products



P08008 X-CV4 RDM Addressable Constant Voltage 4x6A Led Driver



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SİSTEMLERİ İÇ VE DIŞ TİCARET A.Ş.**

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