hera
entertainment & architecture lighting

Date _____

Company _____

Project _____
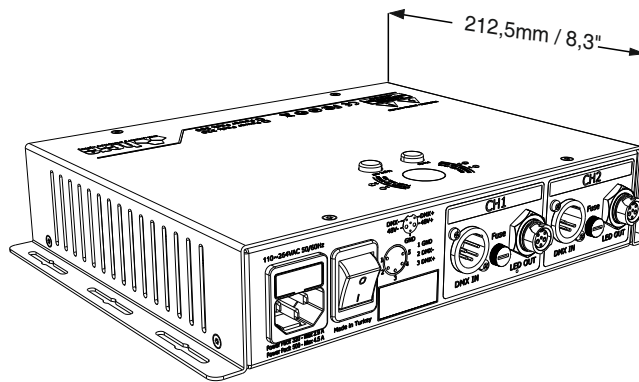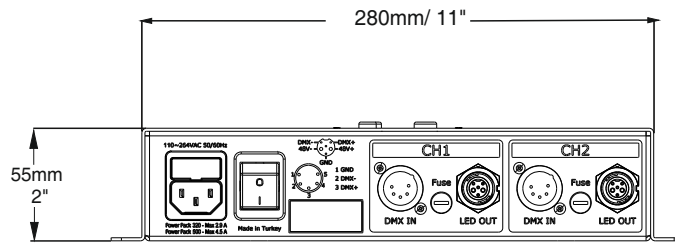
CE   FC   **RoHS** compliant   IP20   DMX/RDM

Explanation

The Power Pack Series is available in a unified box type to prevent complex combinations of power and data cables and create an easy assembly structure. All Hera products operating at 48V are fed from the Power Pack series. In the Power Pack series, you can see which color light is on the output through the indicator light on the front panel. The Power Pack series sends a DMX signal to the output using Test mode. This allows you to setup easily without the need for auxiliary devices such as PC, DMX Universe, pixel mapping, etc. The Power Pack series has LEDs that indicate whether the energy and DMX signal are arriving. You can see which port has DMX output and which port has voltage output. When the fuse fails, in which channel has the problem can be seen in the LED indicators. The device operates in Test/Data mode when you press and hold the "Mode" button for 3 seconds. In Test mode, the device provides test data to all ports in RGBW combinations with each push of the button. In Data mode, it transmits the data from inputs to outputs. It does not harm the DMX universe thanks to the relays contained in it. When you press "Light off" button, it turns off all indicator lights on the device and the device continues to output from all ports. This feature is used in applications where the lights on the device are not desired to be seen.
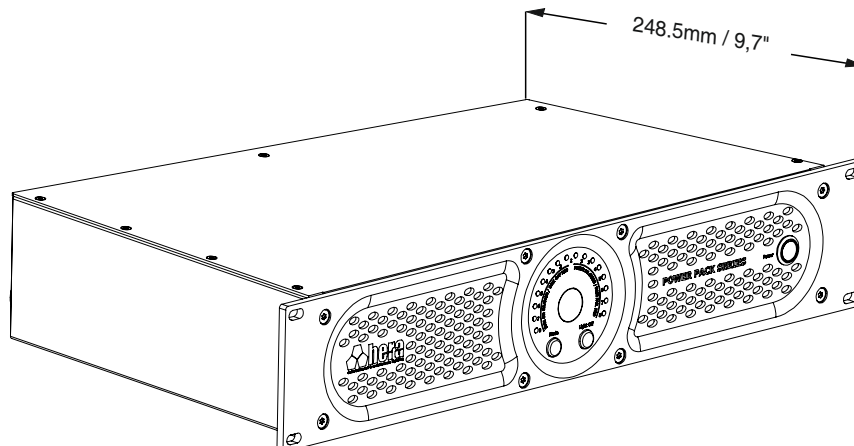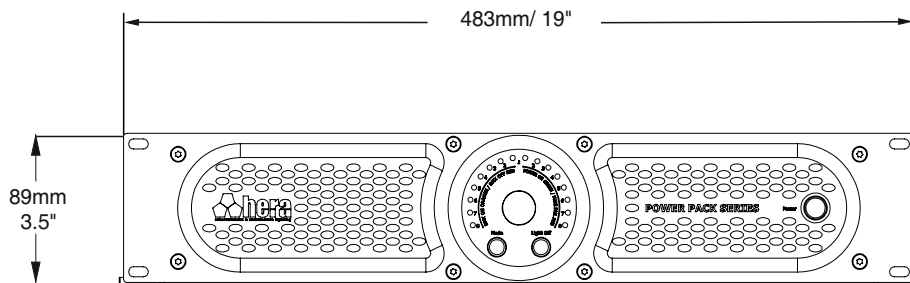
• The device has 90 ~ 264VAC 50/60HZ universal input.
• In Power Pack 320 and Power Pack 500 AC inputs are provided with 3-Pin VDE connector. In Power Pack 1000 and Power Pack 2000, AC inputs are provided with Neutrik® PowerCON connectors.
• Power Pack Series provides output Power Pack 320 > 160W for each port, Power Pack 500 > 250W for each port, Power Pack 1000 > 125W for each port, Power Pack 2000 > 250W for each port.
• Power Pack 320 and Power Pack 500 provide output > 2 x Mirrored, Power Pack 1000 and Power Pack 2000 provide output > 8 x Mirrored, with 2+4 Pin IP 67 connector.
• All DMX inputs are provided with Neutrik® 5 Pin XLR connectors.
• The device has protection against short circuit, overload, over voltage, over temperature.
• Device Status, Power Output Status, Fuse Fail Status, Data Output Status, Data Off Status, Device Test Output Status indicators allow you to observe the device from outside.
• Power Pack 320 and Power Pack 500 can be installed as wall mount type or can be also installed via DIN Rail apparatus in panel applications. Power Pack 1000 and Power Pack 2000 are possible to be installed as rack mount or wall mount with their 19" 2U dimensions.
• Power Pack Series has Aluminium Sheet Metal body with powder finishing.
• The Power Pack 1000 and Power Pack 2000 are high-powered models that provide safe operation thanks to SCHURTER® resettable thermal-magnetic circuit breaker on them.
• The Power Pack Series is produced in RAL9005-black color as standard. Available in different colors in RAL code upon request. The device screws.

	Power Pack 320	Power Pack 500	Power Pack 1000	Power Pack 2000
Output				
Output Voltage:	48VDC			
Output Current:	6,7A	10,5A	21A	42A
	*Maximum 10.5 A output can be obtained from each port.			
Output Port:	2Ch.	2Ch.	8Ch.	8Ch.
Output Power:	2x160	2x250	8x125	8x250
	*Maximum 500W output can be obtained from each port.			
	*Power Pack 320: 1x320W / Power Pack 500:1x500W / Power Pack 1000:2x500W / Power Pack 2000: 4x500W			
Connections				
Power&Data Output:	2+4 Pin Push-Lock Female Connector			
Power Input:	3-PinVDE	3-PinVDE	Neutrik® powerCon 20A	Neutrik® powerCon 20A
Data Input:	Neutrik® 5 Pin XLR			
Control/User Interface				
Device Status:	Status LED			
Power Output Status:	Green LEDs			
Fuse Fail Status:	Red LEDs			
Data Output Status:	Orange LEDs			
Data Off Status:	Red LEDs			
Device Test Output Status:	RGBW LEDs			
Light Off:	The device turns off all indicator lights. (It will continue to output from all ports)			
Mode:	The device runs in Test/Data mode when you press and hold the button 3 seconds. In the test mode, each press of the button gives test data to all ports in RGBW combinations. In Data mode, it forwards the data from inputs to outputs.			
Control and Programming				
DMX Cmpliance:	USITT DMX512-1990			
RDM Compliance:	ANSI/ESTA E1.20-2010			
Electrical				
Operating Voltage:	90 ~ 264VAC 50/60Hz Universal AC input			
Power Consumption:	320W	500W	1000W	2000W
Power Factor:	PF>0.95/230VAC PF>0.98/110VAC at full load			
Power Supply Units:	Auto-ranging electronic switch-mode			
Output Fuses:	20 AT (slow blow) x 4	20 AT (slow blow) x 4	20 AT (slow blow) x 8	20 AT (slow blow) x 8
Input Fuses:	10 AT (slow blow)	10 AT (slow blow)	Schurter® Resettable Fuse	Schurter® Resettable Fuse
Protections:	Short circuit, Overload, Over voltage, Over temperature			
Physical				
Housing:	Aluminium Sheet Metal			
Installation Brackets:	Wall Mount / DIN Rail	Wall Mount / DIN Rail	Wall Mount / 19" 2U Rack Mount	Wall Mount / 19" 2U Rack Mount
Surface Finish:	RAL 9005 Electrostatically polyester powder coat (standard) or Custom Any RAL (optional))			
Hardware :	Black Iron			
Measurements:				
Dimensions:	55x280x212,5mm	55x280x212,5mm	89x483x248mm	89x483x248mm
(H x W x D)	2,2x11x8,3"	2,2x11x8,3"	3,5x19x9,7"	3,5x19x9,7"
Weight:	1,70Kg (3,74lb)	1,80Kg (3,94lb)	5,00Kg (11lb)	5,10Kg (11,2lb)
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:	Filtered forced air (temperature-regulated, low noise)			
Corrosion Resistance:	Complies with ASTM B117 standard			
Ingress Protection Rating:	IP20			
Impact Resistance Rating:	IK10			
Humidity (max.):	0 to 98%, non-condensing			
Certification				
EU Safety:	EN 61347-1, EN 61347-2-13, EN 60950-1, EN 60529			
EU EMC:	EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11			
US Safety:	UL 60950-1			
US EMC:	FCC Part 15 Class B			
Warranty:	5-year Limited Warranty			

Dimensions

POWER PACK SERIES

Specification Sheets

Power Pack 320 / 500

280mm/ 11"

55mm
2"

212,5mm / 8,3"

Power Pack 1000 / 2000

483mm/ 19"

89mm
3.5"

248.5mm / 9,7"

www.heraled.com

Power Pack 320 / 500

DMX SIGNAL

110~264VAC 50/60Hz

5 Pole Female XLR Connector

CH1 CH2

Power Pack 320 (160W Per Port x2)
Power Pack 500 (250W Per Port x2)

4+2 Pin Male
Push Lock Connector

4+2 Pin Female
Push Lock Connector

POWER PACK PIN DETAILS

LED OUT

DMX- — DMX+
48V- — 48V+
GND

DMX IN
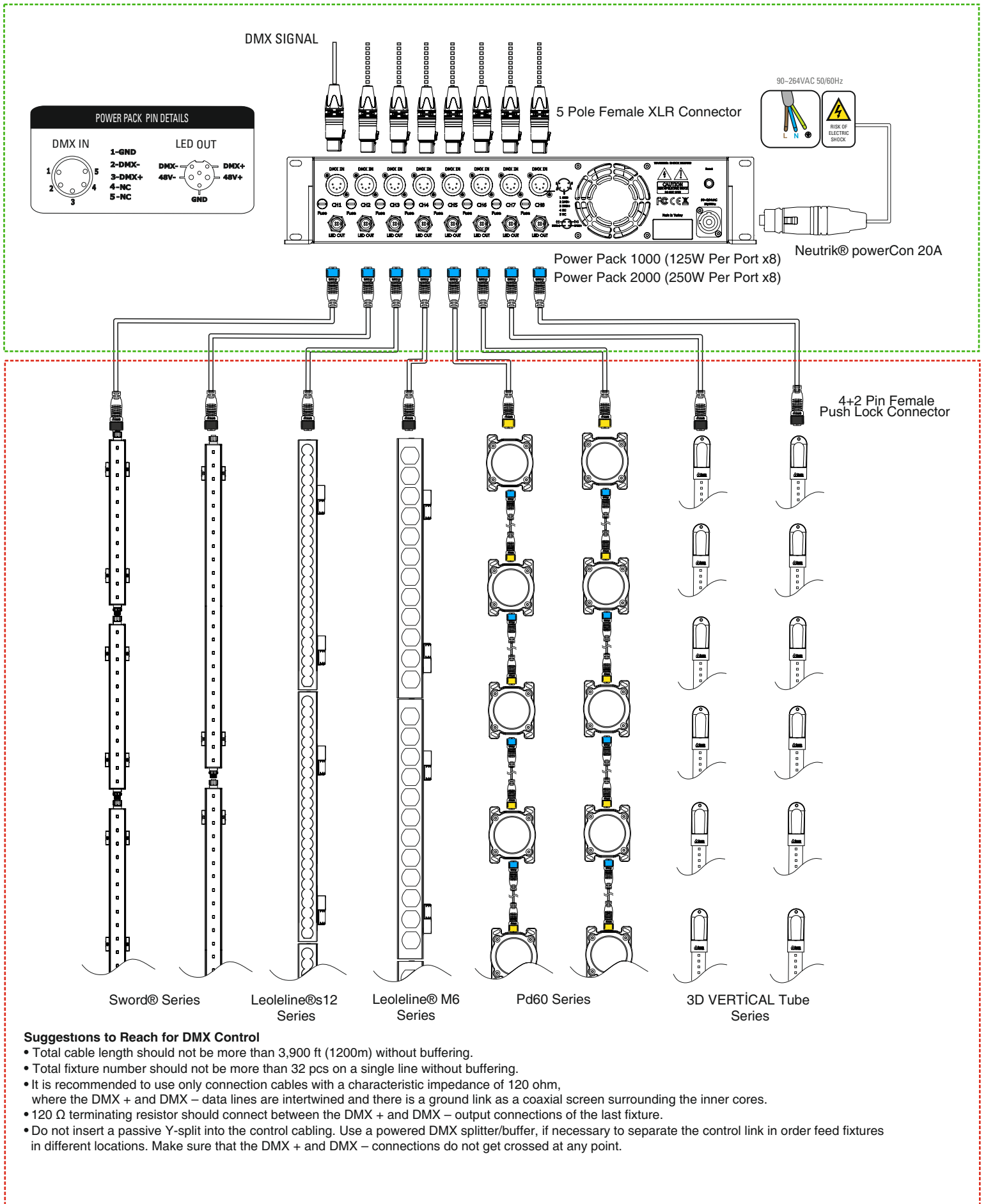
1-GND
2-DMX-
3-DMX+
4-NC
5-NC

Sword® Series

Leoline®S12 Series

Leoline®M6 Series

Suggestıons to Reach for DMX Control
- Total cable length should not be more than 3,900 ft (1200m) without buffering.
- Total fixture number should not be more than 32 pcs on a single line without buffering.
- It is recommended to use only connection cables with a characteristic impedance of 120 ohm,
  where the DMX + and DMX – data lines are intertwined and there is a ground link as a coaxial screen surrounding the inner cores.
- 120 Ω terminating resistor should connect between the DMX + and DMX – output connections of the last fixture.
- Do not insert a passive Y-split into the control cabling. Use a powered DMX splitter/buffer, if necessary to separate the control link in order feed fixtures
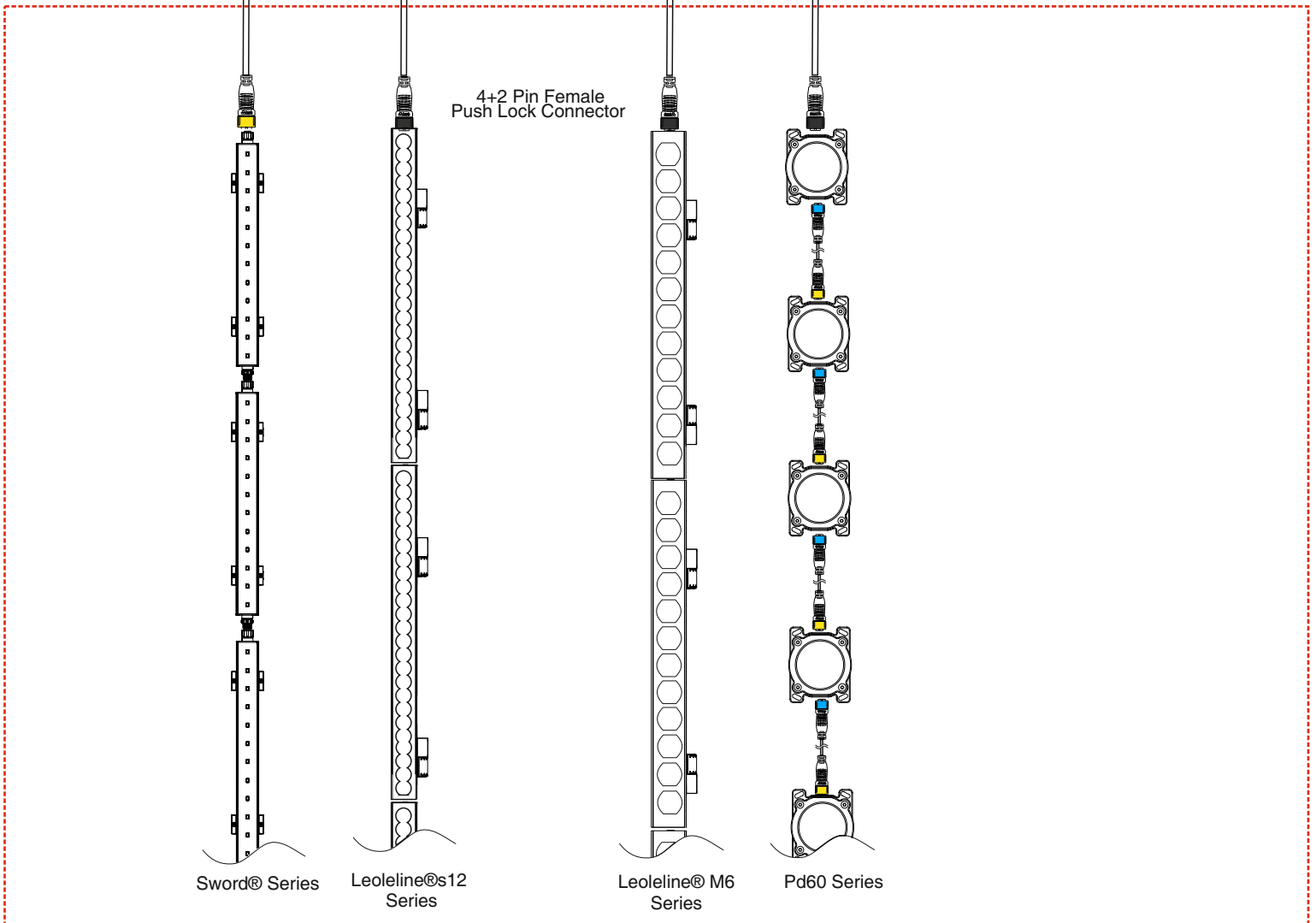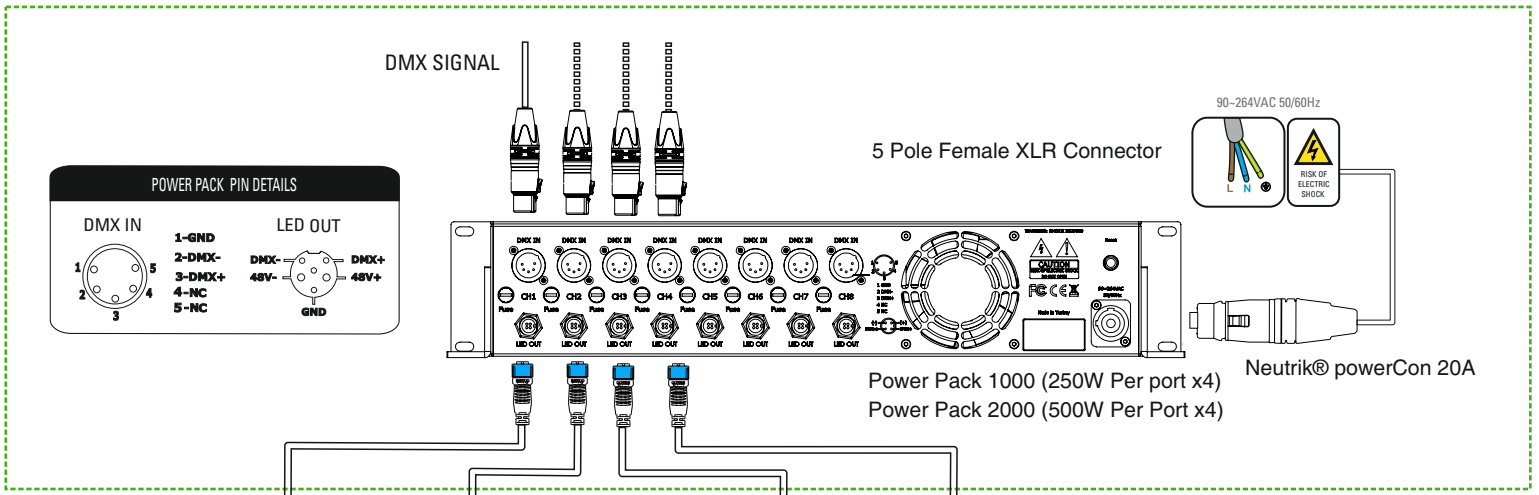 in different locations. Make sure that the DMX + and DMX – connections do not get crossed at any point.

Power Pack 320 / 500

DMX SIGNAL

5 Pole Female XLR Connector

110–264VAC 50/60Hz

Power Pack 320 (320W Per Port x1)
Power Pack 500 (500W Per Port x1)

4+2 Pin Male
Push Lock Connector

4+2 Pin Female
Push Lock Connector

POWER PACK PIN DETAILS

LED OUT

DMX- DMX+
48V- 48V+
GND

DMX IN

1-GND
2-DMX-
3-DMX+
4-NC
5-NC

Sword® Series

Leoline®S12 Series

Leoline®M6 Series

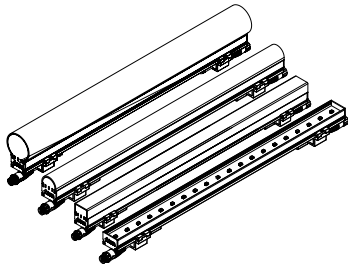**Suggestıons to Reach for DMX Control**
- Total cable length should not be more than 3,900 ft (1200m) without buffering.
- Total fixture number should not be more than 32 pcs on a single line without buffering.
- It is recommended to use only connection cables with a characteristic impedance of 120 ohm,
  where the DMX + and DMX – data lines are intertwined and there is a ground link as a coaxial screen surrounding the inner cores.
- 120 Ω terminating resistor should connect between the DMX + and DMX – output connections of the last fixture.
- Do not insert a passive Y-split into the control cabling. Use a powered DMX splitter/buffer, if necessary to separate the control link in order feed fixtures
  in different locations. Make sure that the DMX + and DMX – connections do not get crossed at any point.

Power Pack 1000 / 2000

POWER PACK PIN DETAILS

DMX IN
1-GND
2-DMX-
3-DMX+
4-NC
5-NC

LED OUT
DMX- / DMX+
48V- / 48V+
GND

DMX SIGNAL

5 Pole Female XLR Connector

90~264VAC 50/60Hz

RISK OF ELECTRIC SHOCK

DMX IN CH1 CH2 CH3 CH4 CH5 CH6 CH7 CH8
LED OUT

Power Pack 1000 (125W Per Port x8)
Power Pack 2000 (250W Per Port x8)

Neutrik® powerCon 20A

4+2 Pin Female
Push Lock Connector

Sword® Series

Leoleline®s12
Series

Leoleline® M6
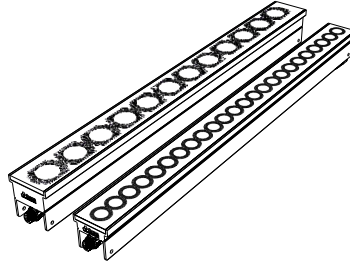Series

Pd60 Series

3D VERTİCAL Tube
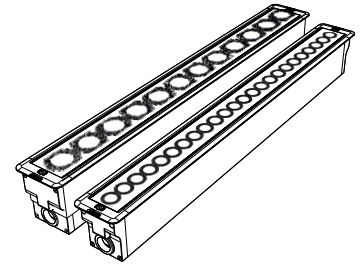Series

Suggestıons to Reach for DMX Control
- Total cable length should not be more than 3,900 ft (1200m) without buffering.
- Total fixture number should not be more than 32 pcs on a single line without buffering.
- It is recommended to use only connection cables with a characteristic impedance of 120 ohm,
  where the DMX + and DMX – data lines are intertwined and there is a ground link as a coaxial screen surrounding the inner cores.
- 120 Ω terminating resistor should connect between the DMX + and DMX – output connections of the last fixture.
- Do not insert a passive Y-split into the control cabling. Use a powered DMX splitter/buffer, if necessary to separate the control link in order feed fixtures
  in different locations. Make sure that the DMX + and DMX – connections do not get crossed at any point.
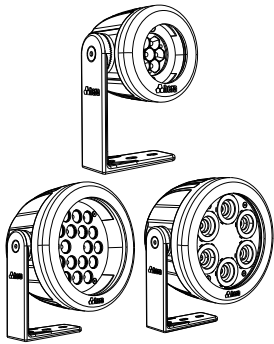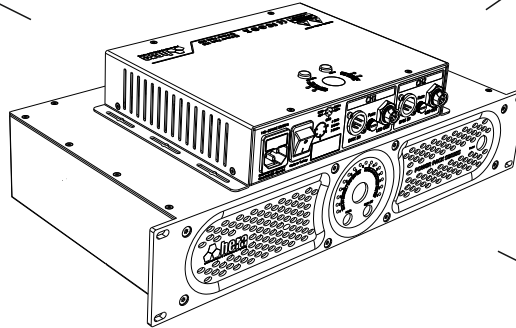
Power Pack 1000 / 2000

DMX SIGNAL

POWER PACK PIN DETAILS

DMX IN
1 2 5 4 3

1-GND
2-DMX-
3-DMX+
4-NC
5-NC

LED OUT

DMX-
48V-
DMX+
48V+
GND

5 Pole Female XLR Connector

90~264VAC 50/60Hz

L N

RISK OF ELECTRIC SHOCK

Neutrik® powerCon 20A

Power Pack 1000 (250W Per port x4)
Power Pack 2000 (500W Per Port x4)

4+2 Pin Female
Push Lock Connector

Sword® Series

Leoleline®s12
Series

Leoleline® M6
Series

Pd60 Series

Suggestions to Reach for DMX Control
- Total cable length should not be more than 3,900 ft (1200m) without buffering.
- Total fixture number should not be more than 32 pcs on a single line without buffering.
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  where the DMX + and DMX – data lines are intertwined and there is a ground link as a coaxial screen surrounding the inner cores.
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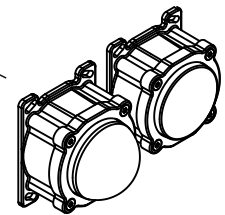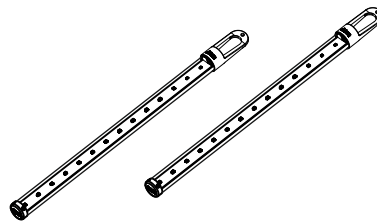
Leoline® Series

Sword® Series

Moleline® Series

Power Pack 1000/2000
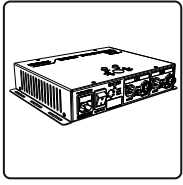**Power Pack 320/500**

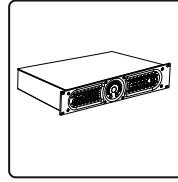Procolor® Series
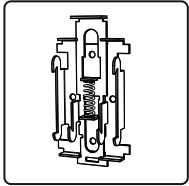
P D60 Series

3D Vertical Tube
Series

Products

P08002 Power Pack 320 320W 2 Outputs Power Supply
P08003 Power Pack 500 500W 2 Outputs Power Supply

P08004 Power Pack 1000 1000W 8 Outputs Power Supply
P08013 Power Pack 2000 2000W 8 Outputs Power Supply

Accessories

P20055 Power Pack 320 & Power Pack 500 for DIN Rails

**HERA EĞLENCE VE MİMARİ AYDINLATMA
SİSTEMLERİ İÇ VE DIŞ TİCARET A.Ş.**

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