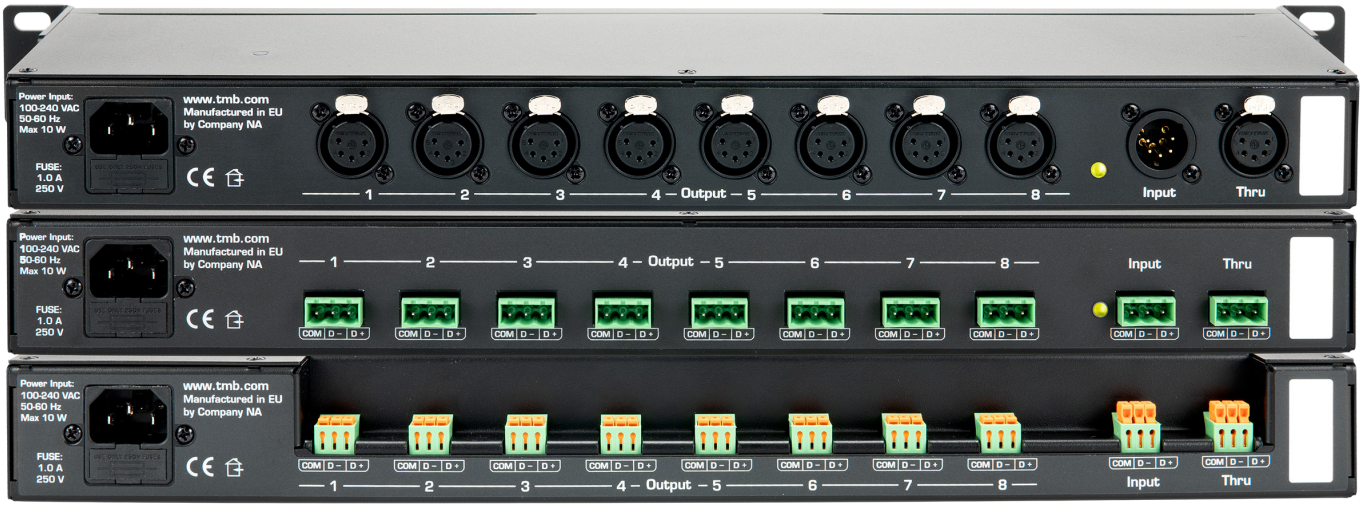
DATAPLEX® DEVICES

DMX OPTO-SPLITTERS

High-performance, signal management solutions that won't break the bank!

- DMX In, DMX Thru and eight optically isolated outputs
- Available with or without full RDM functionality
- RDM versions incorporate a DMX re-clocking function, automatically fixing many DMX signal issues
- Three DMX connection versions – Neutrik™ XLR, Pluggable Terminal Block (PTB), or Insulation Displacement Connection (IDC)
- High quality, professional-grade components and construction



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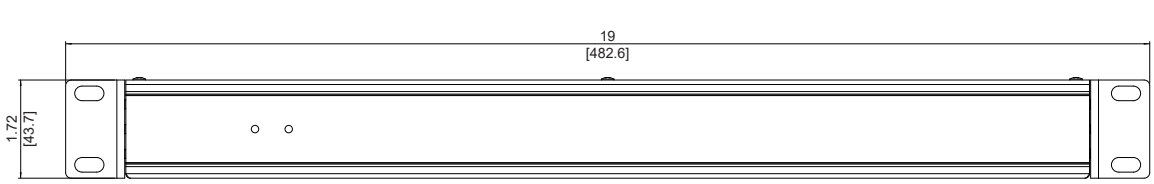
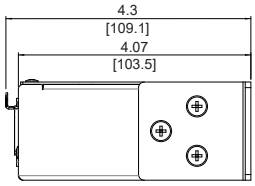
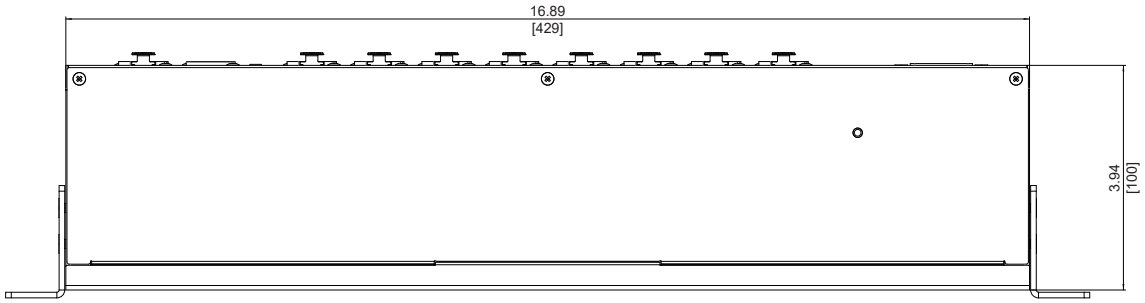
Specifications						
Model	1x8 XLR	1x8 RDM XLR	1x8 PTB	1x8 RDM PTB	1x8 IDC	1x8 RDM IDC
Part Number	DPDDS185XLR	DPDDS185XLRR	DPDDS183PTB	DPDDS183PTBR	DPDDS18IDC	DPDDS18IDCR
DMX Input	1x Neutrik XLR 5-Pin Male		1x Pluggable Terminal Block (PTB) 3-terminal[1]		1x Insulation Displacement Connection (IDC) 3-terminal	
DMX Thru	1x Neutrik XLR 5-Pin Female		1x Pluggable Terminal Block (PTB) 3-terminal[1]		1x Insulation Displacement Connection (IDC) 3-terminal	
DMX Outputs	8x Neutrik XLR 5-Pin Female		8x Pluggable Terminal Block (PTB) 3-terminal[1]		8x Insulation Displacement Connection (IDC) 3-terminal	
DMX Wire Size Range	N/A		28-13 AWG [0.08-2.5 mm^2]		Stranded: 26-22 AWG [0.22-0.34 mm^2] Solid: 0.13-0.34 mm^2	
DMX Protocol	DMX-512A					
RDM	No	Yes	No	Yes	No	Yes
In/Out/Out Isolation	Optical, up to 1000V					
Power	100-240 VAC, 50-60 Hz					
Power Consumption	10 W					
Power Connector	IEC with fuse holder, accepts IEC C13 cable (included)					
Fuse	5x20 mm 1A, 250V					
Cooling	Convection					
Operating Temp.	-4° to +104° F [-20° to +40° C]					
Unit Dimensions (WxHxD)	19 x 1.72 x 4.3 in [482.6 x 43.7 x 109.1 mm]		19 x 1.72 x 4.3 in [482.6 x 43.7 x 109.1 mm]		19 x 1.72 x 4.1 in [482.6 x 43.7 x 104.3 mm]	
Shipping Dimensions (WxHxD)			20.5 x 3.5 x 7.38 in [520.7 x 88.9 x 187.5 mm]			
Unit Weight	3.4 lb [1.54 kg]		3.2 lb [1.45 kg]		3.2 lb [1.45 kg]	
Shipping Weight	3.8 lb [1.72 kg]		3.6 lb [1.63 kg]		3.6 lb [1.63 kg]	

[1] Mating PTB(s) included

Dimensions in inches [mm]
XLR Models







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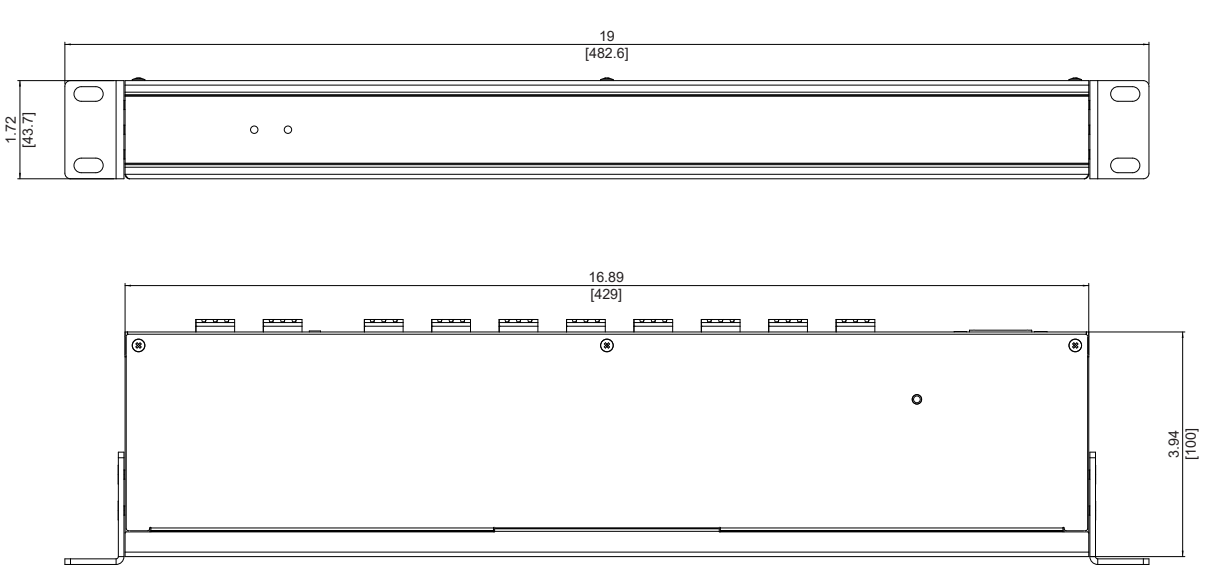
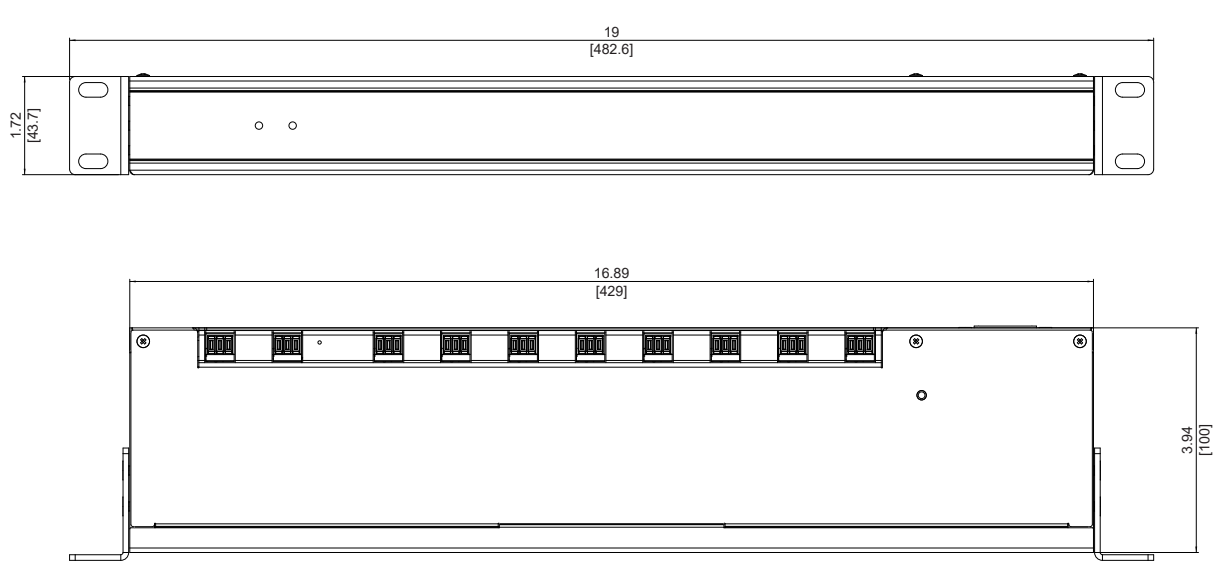
Dimensions in inches [mm]
PTB Models



Dimensions in inches [mm]
IDC Models



** Please note – IDC are designed and intended for permanent connections and are only rated for 20 connection cycles. Avoid excessive connection and disconnection.

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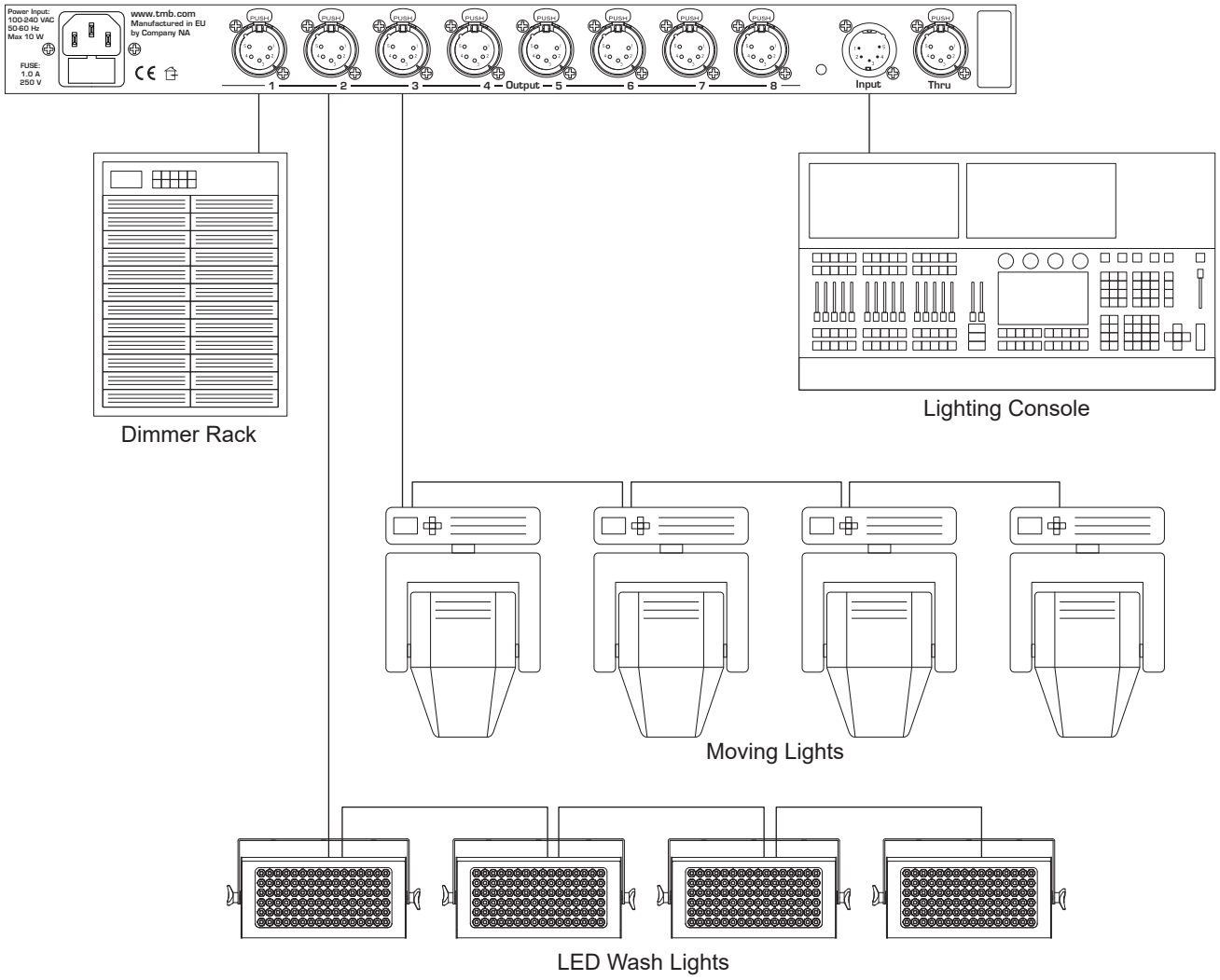
Ordering Codes	
Part Number	Item
DPDDS185XLR	Dataplex Opto-Splitter 1x8, XLR Connectors
DPDDS185XLRR	Dataplex Opto-Splitter 1x8, XLR Connectors, RDM
DPDDS183TB	Dataplex Opto-Splitter 1x8, PTB Connections
DPDDS183TBR	Dataplex Opto-Splitter 1x8, PTB Connections, RDM
DPDDS18IDC	Dataplex Opto-Splitter 1x8, IDC Connections
DPDDS18IDCR	Dataplex Opto-Splitter 1x8, IDC Connections, RDM

DMX Pinouts					
Connector	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
XLR	Shield	Data-	Data+	Unused	Unused
PTB	Shield	Data-	Data+	N/A	N/A
IDC	Shield	Data-	Data+	N/A	N/A

Riser Diagram



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