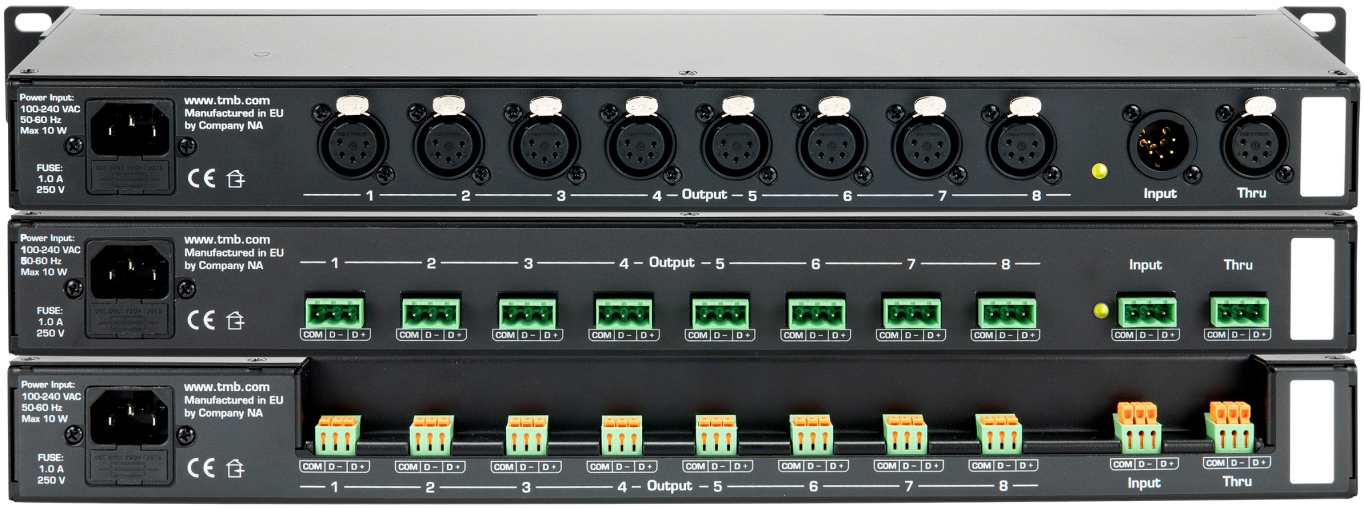
DATAPLEX® DEVICES

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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www.tmb.com
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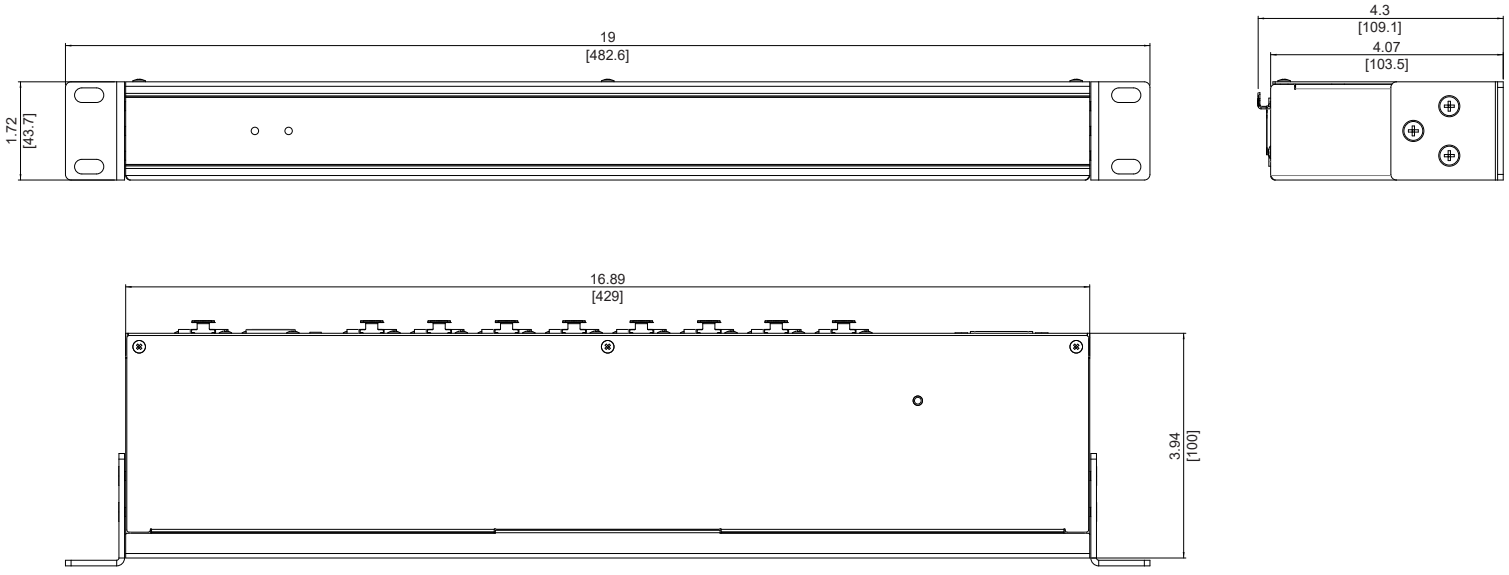
DMX OPTO-SPLITTERS

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.	-20º to +40º C [-4º to +104º F]					
Unit Dimensions (WxHxD)	482.6 x 43.7 x 109.1 mm [19 x 1.72 x 4.3 in]		[19 482.6 x 43.7 x 109.1 mm x 1.72 x 4.3 in]		482.6 x 43.7 x 104.3 mm [19 x 1.72 x 4.1 in]	
Shipping Dimensions (WxHxD)	20.5 x 3.5 x 7.38 in [520.7 x 88.9 x 187.5 mm]					
Unit Weight	1.54 kg [3.4 lb]		1.45 kg [3.2 lb]		1.45 kg [3.2 lb]	
Shipping Weight	1.72 kg [3.8 lb]		1.63 kg [3.6 lb]		1.63 kg [3.6 lb]	

[1] Mating PTB(s) included

Dimensions in inches [mm]
XLR Models



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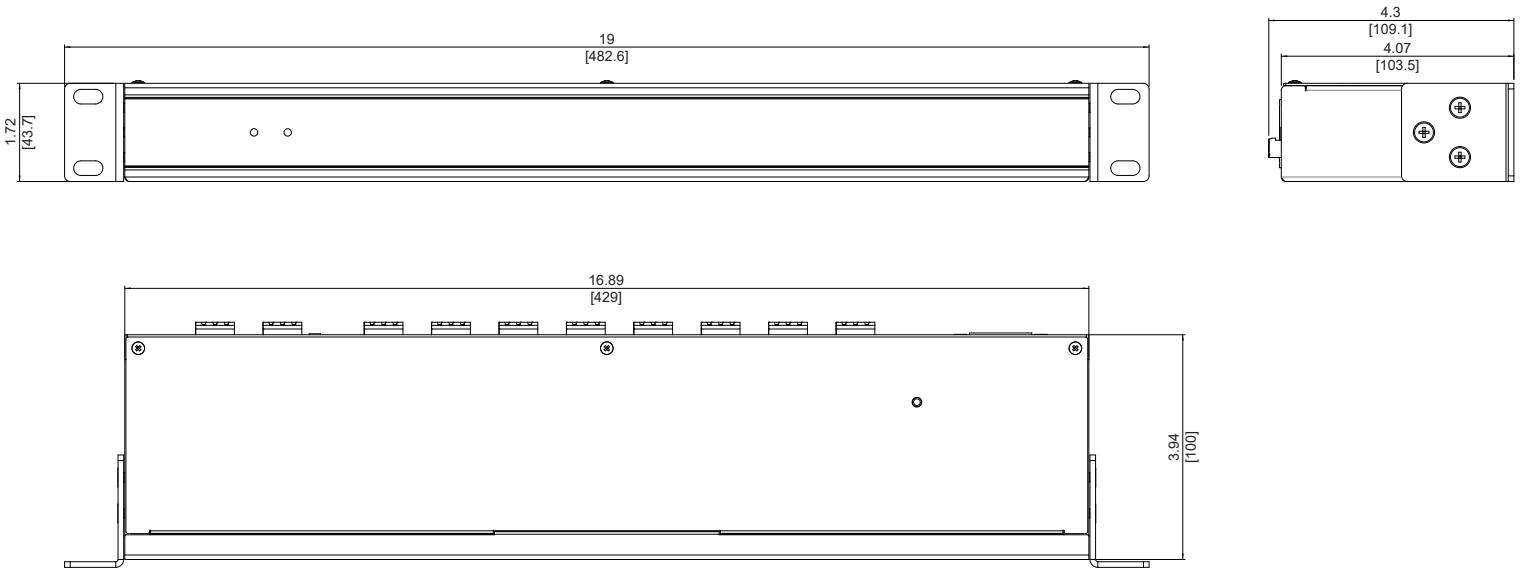
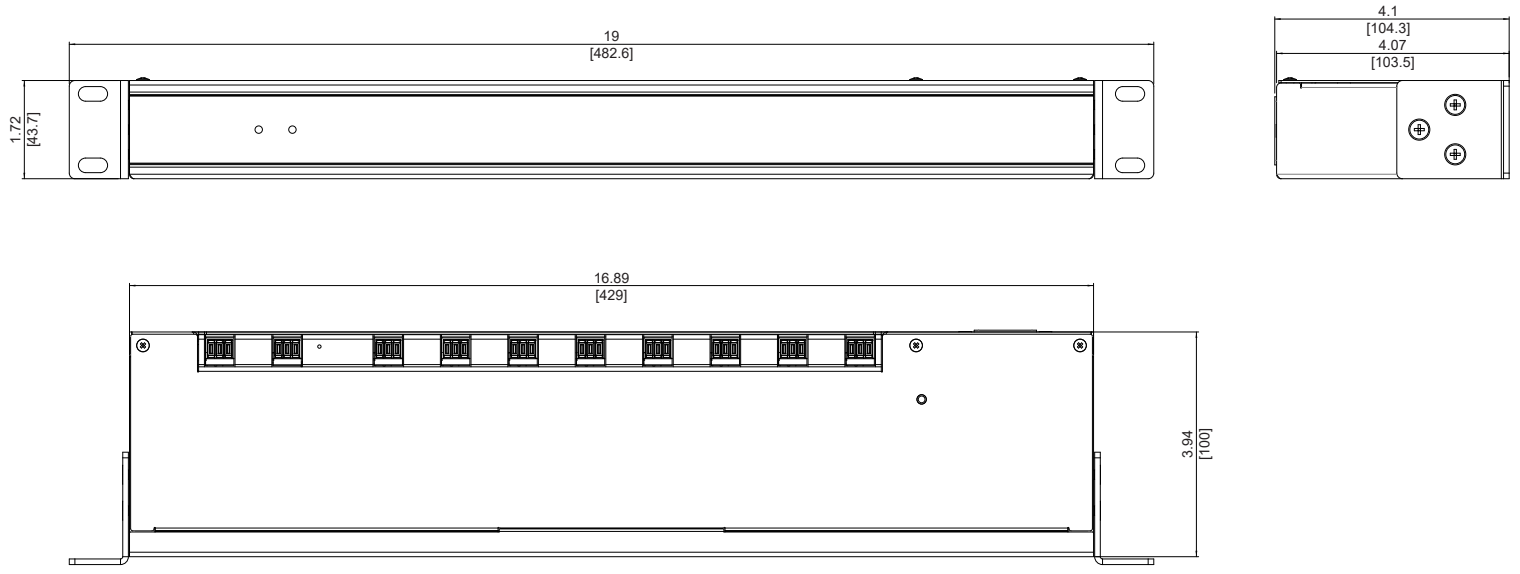
Dimensions in inches [mm]
PTB Models



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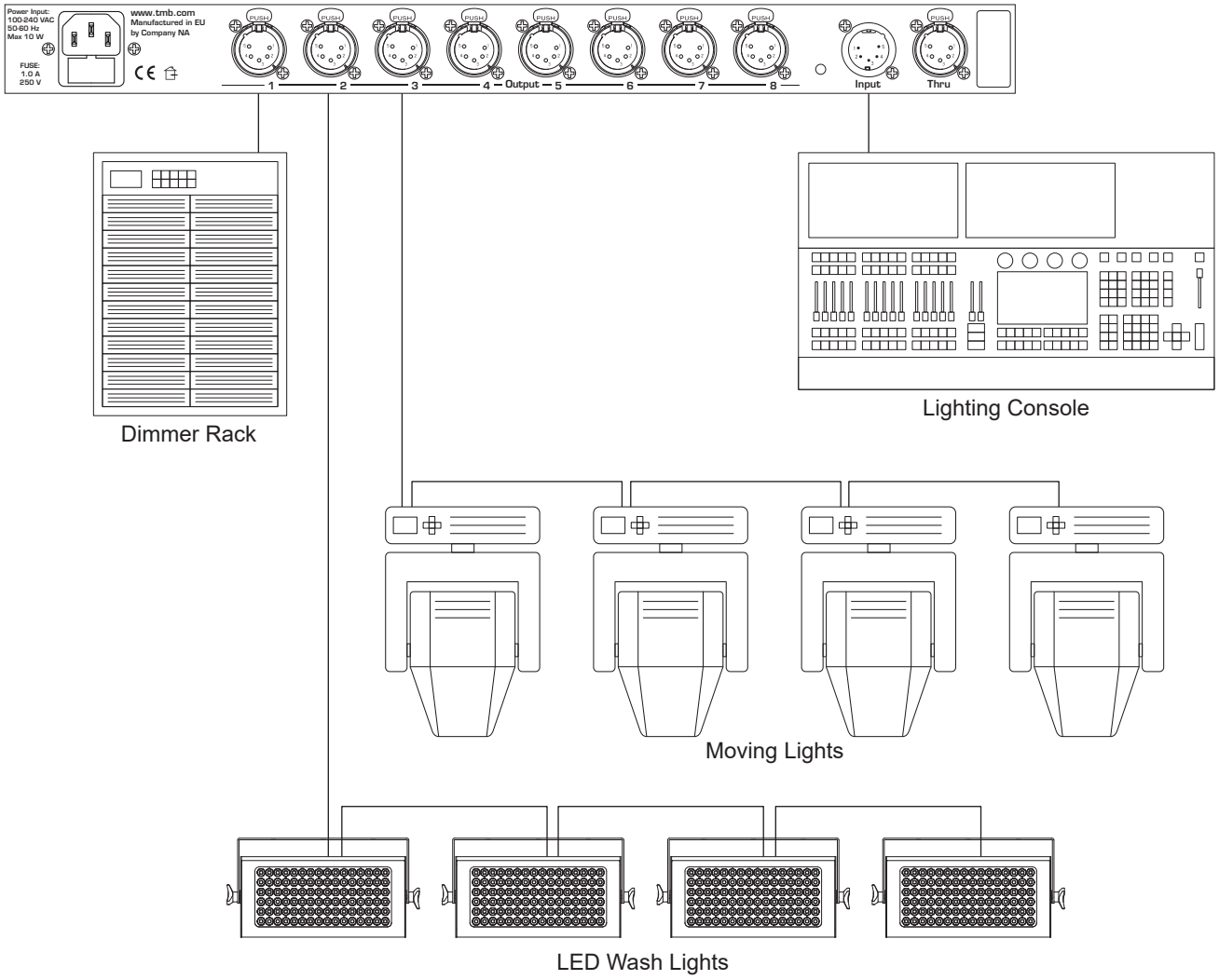
Ordering Codes	
Part Number	Item
DPDDS185XLR	Dataplex Opto-Splitter 1x8, XLR Connectors
DPDDS185XLRR	Dataplex Opto-Splitter 1x8, XLR Connectors, RDM
DPDDS183TB	Dataplex Opto-Splitter 1x8, PTB Connections
DPDDS183TBR	Dataplex Opto-Splitter 1x8, PTB Connections, RDM
DPDDS18IDC	Dataplex Opto-Splitter 1x8,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