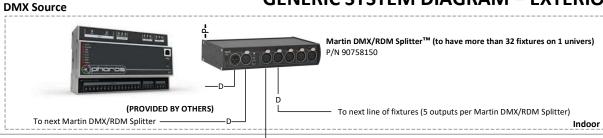
# **GENERIC SYSTEM DIAGRAM – EXTERIOR LINEAR SERIES**





DMX Channels						
	Std Mode	Ext Mode	CTC Mode	Ext CTC Mode	Length	Fixtures/Univers
EL RGBW	4 ch	-	-	-	1 ft.	128 pcs
EL RGBW	4 ch	16 ch*	-	-	4 ft.	128/32 pcs
EL QUAD	4 ch	-	-	-	1 ft.	128 pcs
EL QUAD	4 ch	16 ch*	-	-	4 ft.	128/32 pcs
EL CTC	2 ch	-	3 ch	-	1 ft.	256/170 pcs
EL CTC	2 ch	8 ch*	3 ch	12 ch*	4 ft.	128/32/170/42 pcs

\*Use extended mode for 1 ft. segment control

To next Martin DMX/RDM Spi	tter ———————————————————————————————————
Exterior Linear Series ger	eric layout
1	D AC mains power at 100 - 277 V nominal, 50/60 Hz  Outdoor rated Junction Box Typical half-cycle RMS inrush current:  1 ft. models: 0.3 A  4 ft. models: 0.7 A
The maximum permitted length of cable:	Power + Data Input Cable with 8-pin custom connector P/N 91611754 (2m, EU version) P/N 91611755 (2m, US version) P/N 91611156 (10m, EU version) P/N 91611157 (10m, US version)
100m at 240 V mains 100m at 277 V mains	Exterior Linear Series   EL RGBW   EL QUAD   EL CTC   Length   Diffuser   P/N 90356986   P/N 90356980   1 ft. Narrow   P/N 90356970   P/N 90356989   1 ft. Narrow   P/N 90356970   P/N 90356975   1 ft. Medium   P/N 90356970   P/N 90356975   1 ft. Medium   P/N 90356971   P/N 90356991   P/N 90356975   1 ft. Medium   P/N 90356971   P/N 90356991   P/N 90356974   1 ft. Wide   P/N 90356972   P/N 90356994   4 ft. Wide   P/N 90356972   P/N 90356994   4 ft. Wide   P/N 90356972   P/N 90356995   P/N 90356973   1 ft. Asym.   P/N 90356982   P/N 90356997   P/N 903569973   1 ft. Asym.   P/N 90356976   P/N 90356977   1 ft. Cove   P/N 90356979   P/N 90356977   1 ft. Cove   P/N 90356979   P/N 90356978   4 ft. Cove   P/N 90356979   P/N 90356978   4 ft. Cove   P/N 90356979   P/N 90356979   P/N 90356978   4 ft. Cove   P/N 90356970   P/N 90356978   4 ft. Cove   P/N 90356970   P/N 90356979   P/N 90356978   4 ft. Cove   P/N 90356970   P/N 90356979   P/N 90356978   4 ft. Cove   P/N 90356970   P/N 90356979   P/N 90356978   4 ft. Cove   P/N 90356970   P/N 90356979   P/N 90356979
he maximum ermitted length of	P/N 91611760 (1m, EU version) P/N 91611761 (1m, US version) P/N 91611762 (5m, EU version) P/N 91611763 (5m, US version) P/N 91611765 (10m, US version) P/N 91611765 (10m, US version)
xtures: 5,2m at 120 V mains** 9,5m at 240 V mains** 6,5m at 277 V mains**	Exterior Linear Series
	Power + Data Extension Cable with 8-pin custom connectors (Not required if Exterior Linear are mounted end-to-end)  Exterior Linear Series
nstall End fermination Caps on Il unused emale connectors at	End Termination Cap
end of chains	P/N 91611766 Outdoor

Voltage	Max. permitt	ed length of	Increase in max. permitted total length of cable if total length of fixtures is reduced		
	fixtures in chain	cable in chain			
110-120 V	15,2m (50 ft.)**	70m (230 ft.)	For every 1,5m (5 ft.) of fixtures that you remove from the 15.2m (50 ft.) maximum total length of fixtures in the chain, you can add 10m (32 ft.) of cable to the 70m (230 ft.) maximum permitted total length of cable in the chain.		
220-240 V	30,5m (100 ft.)**	100m (328 ft.)	For every 3m (10 ft.) of fixtures that you remove from the 30.5m (100 ft.) maximum total length of fixtures in the chain, you can add 10m (32 ft.) of cable to the 100m (328 ft.) maximum permitted total length of cable in the chain.		
270 V	36,5m (120 ft.)**	100m (328 ft.)	For every 3m (10 ft.) of fixtures that you remove from the 36.5m (120 ft.) maximum total length of fixtures in the chain, you can add 10m (32 ft.) of cable to the 100m (328 ft.) maximum permitted total length of cable in the chain.		

Typical earth-leakage current: 4ft fixture: 0.50 mA, 1ft fixture: 0.15 mA

### Power and data connector

Power conductors:

	Live or L	Neutral or N	Earth or Ground	
US variant	Black	White	Green	
EU variant	Brown	Blue	Yellow/green	

## Data conductors:

	Shield	Data 1	Data 1	Data 2	Data 2
	common	cold (-ve)	hot, (+ve)	cold (-ve)***	hot, (+ve)***
All systems	Copper braid	Red	Grey	Green	White
	(pin 1)	(pin 2)	(pin 3)	(pin 4)	(pin 5)
-	(biii 1)	(þiii 2)	(biii 2)	(piii <del>T</del> )	

\*\*\* Both DMX and RDM signals are carried on Data 1 conductors. Data 2 connections are optional.

#### Accessories:

Exterior Linear 300 Series Glare Shield, set of 4, P/N 91611752 Exterior Linear 1200 Series Glare Shield, set of 4, P/N 91611753



Exterior Linear 310/1210 QUAD Graze Louvre, set of 4, P/N 91611850



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CABLES:
D - DMX CABLE F - FIBER OPTIC CABLE (PROVIDED BY OTHERS) H - HYBRID CABLE (PROVIDED BY MARTIN) P - POWER CABLE

<sup>\*\*</sup>Consult local regulations to determine maximum fixture runs