GENERIC SYSTEM DIAGRAM – EXTERIOR LINEAR PRO SERIES DMX Source DMX/RDM Splitter (to have more than 32 fixtures on 1 univers) DMX Channels Length RAW Mode Std Mode 1 S ohonos 1 ft. 4 ch 6 ch EL PRO QUAD 4 ft. 4 ch 6 ch EL PRO QUAD 3 ch 1 ft. EL PRO CTC -4 ft. 3 ch (PROVIDED BY OTHERS) EL PRO CTC To next line of fixtures (5 outputs per Martin DMX/RDM Splitter) To next Martin DMX/RDM Splitter Indoor *1 ft. versions are controlled in 2 segments and 4 ft. versions are controlled in 4 segments. Ν **Exterior Linear Pro Series generic layout** D Voltage fixtures in chain [pcs] fixtu and (12W mode) AC mains power at 100 - 277 V nominal, 50/60 Hz DMX Junction Box Power DMX to PD Typical half-cycle RMS inrush current: Mode 1 ft. 4 ft. N P/N MAR-91700019 1 ft. models: 0.3 A RAW Mode: 42 24 RAW 4 ft. models: 0.5 A 42 Std Mode: 24 Std N Power DMX Cable PD PD 42 110-120 V 1 Seg Mode: 24 1 Seg P/N MAR-91700004 (0,2m, EU version) P/N MAR-91700010 (0,2m, US version) 2/4 Seg Mode: 42 24 2/4 S P/N MAR-91700011 (1m, US version) P/N MAR-91700005 (1m, EU version) 8 Seg Mode: 42 21 8 Seg The maximum P/N MAR-91700006 (2.5m, EU version) P/N MAR-91700012 (2.5m, US version) RAW Mode: 42 RAW 42 permitted length of P/N MAR-91700007 (5m, EU version) P/N MAR-91700013 (5m, US version) Std Mode: 42 42 Std N the chain (fixture + P/N MAR-91700008 (10m, EU version) P/N MAR-91700014 (10m, US version) 42 220-270 V 1 Seg Mode: 42 1 Seg cable): 150m P/N MAR-91700009 (100m roll, EU version) P/N MAR-91700016 (100m roll, US version) 2/4 Seg Mode: 42 42 2/4 S P/N MAR-91700017 (Field installable connector PD female, EU&US) 8 Seg Mode: 42 21 8 Seg P/N MAR-91700018 (Field installable connector PD male, EU&US) Typical earth-leakage current: 4ft fixture: 0,21mA, 1ft fixture: 0,15 mA Power and data connector **Exterior Linear Pro Series** Power conductors: EL Pro QUAD GRAZE EL Pro QUAD COVE EL Pro QUAD DV <u>Length</u> Live or L Neutral or N P/N MAR- 90570000 P/N MAR- 90570001 P/N MAR- 90570002 1ft. US variant Black White Blue EU variant Brown P/N MAR- 90570003 P/N MAR- 90570004 P/N MAR- 90570005 4ft. Data conductors: See table for maximum EL Pro CTC GRAZE EL Pro CTC COVE Length Shield Data permitted length of P/N MAR- 90570006 P/N MAR- 90570007 1ft. common cold (-ve) fixtures P/N MAR- 90570008 P/N MAR- 90570009 4ft. All systems Alu braid Grey (pin 1) (pin 2) **Exterior Linear Pro Diffuser** Asymm Wide Asymm Narrow Length Accessories: P/N MAR- 90570020 P/N MAR- 90570021 4ft. Adjustable bracket EL Pro, 10 pcs, P/N MAR-9057 Power DMX Cable PD PD Flange bracket EL Pro, 10 pcs, P/N MAR-90570026 (Not required if Exterior Linear are mounted end-to-end) Quick mount bracket EL Pro, 10 pcs, P/N MAR-905 **Exterior Linear Pro Series** Glare shield, EL Pro 1ft set of 4, P/N MAR-9057002 Glare shield, EL Pro 4ft set of 4, P/N MAR-905700 Install End Louvre, EL Pro QUAD 1ft set of 4, P/N MAR-90570 **Termination Caps on** Louvre, EL Pro CTC 1ft set of 4, P/N MAR-9057002 all unused **End Termination Cap** female connectors at P/N MAR-91700015 end of chains Outdoor CABLES:

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

Information subject to change without notice. HARMAN Professional Denmark ApS disclaims liability for any injury, damage, direct or indirect loss, consequential or economic loss or any other loss occasioned by the use of, inability to use or reliance on the information contained in this document. Rev C - 07-07-23



Seg Mode	2/4 Seg Mode*	8 Seg Mode	Fixtures/Univers
3 ch	6 ch	-	128/85/170/85/- pcs
3 ch	12 ch	24 ch	128/85/170/42/21 pcs
3 ch	6 ch	-	-/170/170/85/- pcs
3 ch	12 ch	24 ch	-/170/170/42/21 pcs

Max. permitted length of							
ures in chain [pcs] (10W mode)			fixtures in chain [pcs] (5W mode)			full chain (Fixtures +	
Node	1 ft.	4 ft.	Mode	1 ft.	4 ft.	cable)	
/ Mode:	42	30	RAW Mode:	42	42	150m (492 ft.)	
Mode:	42	30	Std Mode:	42	42		
g Mode:	42	30	1 Seg Mode:	42	42		
Seg Mode:	42	30	2/4 Seg Mode:	42	42		
g Mode:	42	21	8 Seg Mode:	42	21		
/ Mode:	42	42	RAW Mode:	42	42	150m (492 ft.)	
Mode:	42	42	Std Mode:	42	42		
g Mode:	42	42	1 Seg Mode:	42	42		
Seg Mode:	42	42	2/4 Seg Mode:	42	42		
g Mode:	42	21	8 Seg Mode:	42	21		
).15 mA							

N	Earth or Ground
	Green
	Yellow/green
	D.t.
	Data
	hot, (+ve)
	Red
	(pin 3)
	1/2-1/
0025	
0023	8
c	· · · ·
6	
0570027	<i>A</i> 1.
JJ70027	Con and a second
	Carlle to P
)22	
)23	
0024	a and a second s
28	