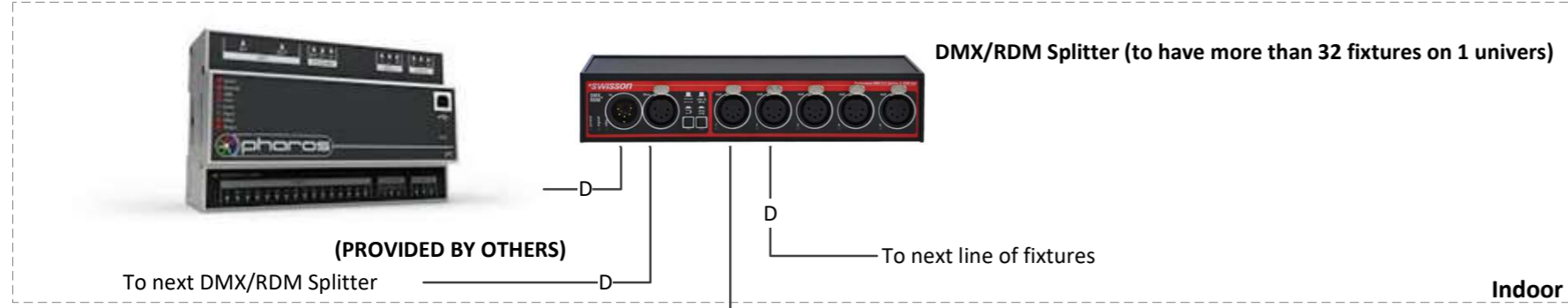


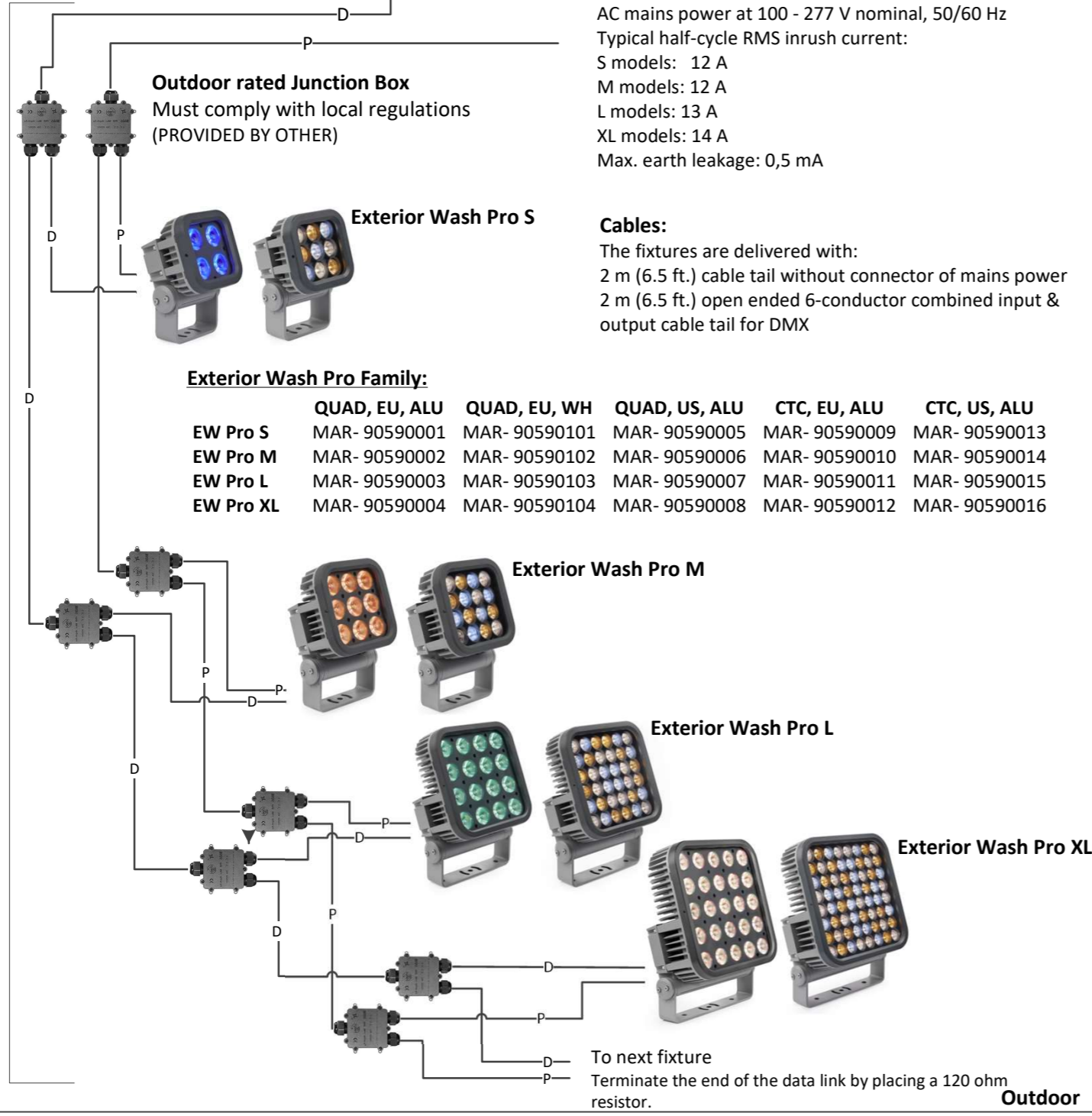
DMX Source

# GENERIC SYSTEM DIAGRAM – EXTERIOR WASH PRO FAMILY



DMX Channels	Standard Mode	RAW	RGB	Fixtures/Univers
	Pro S QUAD	6 ch	4 ch	3 ch
Pro S CTC	3 ch	3 ch	-	170/170 pcs
Pro M QUAD	6 ch	4 ch	3 ch	128/80/170 pcs
Pro M CTC	3 ch	3 ch	-	170/170 pcs
Pro L QUAD	6 ch	4 ch	3 ch	128/85/170 pcs
Pro L CTC	3 ch	3 ch	-	170/170 pcs
Pro XL QUAD	6 ch	4 ch	3 ch	128/85/170 pcs
Pro XL CTC	3 ch	3 ch	-	170/170 pcs

## Exterior Wash Pro Family generic layout



The maximum permitted length of cables is determined by the installer, based on cable types and mains power.

According to the DMX standard a chain should not exceed 32 fixtures.

## 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:**

Wires:	Shield	Shield	Input pair (white tube)		Output pair (black tube)	
Color:	Black	Black	White	Grey	Black	Blue
Signal:	Common	Common	DMX in +	DMX in -	DMX out +	DMX out -
Male XLR pin:	Pin 1		Pin 3	Pin 2	-	-
Female XLR pin:		Pin 1	-	-	Pin 3	Pin 2

## Accessories:

	Pro S	Pro M	Pro L	Pro XL
Micro Lens Pro – Narrow	MAR-90590026	MAR-90590031	MAR-90590036	MAR-90590041
Micro Lens Pro – Medium	MAR-90590027	MAR-90590032	MAR-90590037	MAR-90590042
Micro Lens Pro – Wide	MAR-90590028	MAR-90590033	MAR-90590038	MAR-90590043
Micro Lens Pro – Very Wide	MAR-90590029	MAR-90590034	MAR-90590039	MAR-90590044
Micro Lens Pro – Asymmetric	MAR-90590030	MAR-90590035	MAR-90590040	MAR-90590045
Baffle Snoot Pro QUAD	MAR-90590017	MAR-90590018	MAR-90590019	MAR-90590020
Baffle Snoot Pro CTC	MAR-90590021	MAR-90590022	MAR-90590023	MAR-90590024
Attachment Plate	MAR-90590050			
Multitool	MAR-90590025			
PD cable tail In/Out 0.5M - Black	MAR-91700020			

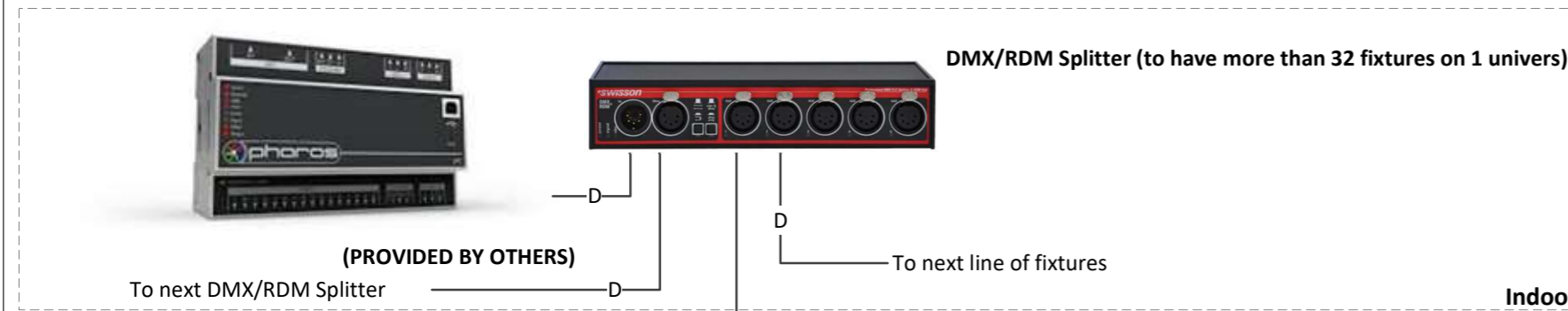


**CABLES:**  
D - DMX CABLE H - HYBRID CABLE (PROVIDED BY MARTIN) P - POWER CABLE

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# GENERIC SYSTEM DIAGRAM – EXTERIOR WASH PRO FAMILY (with Cable kit)

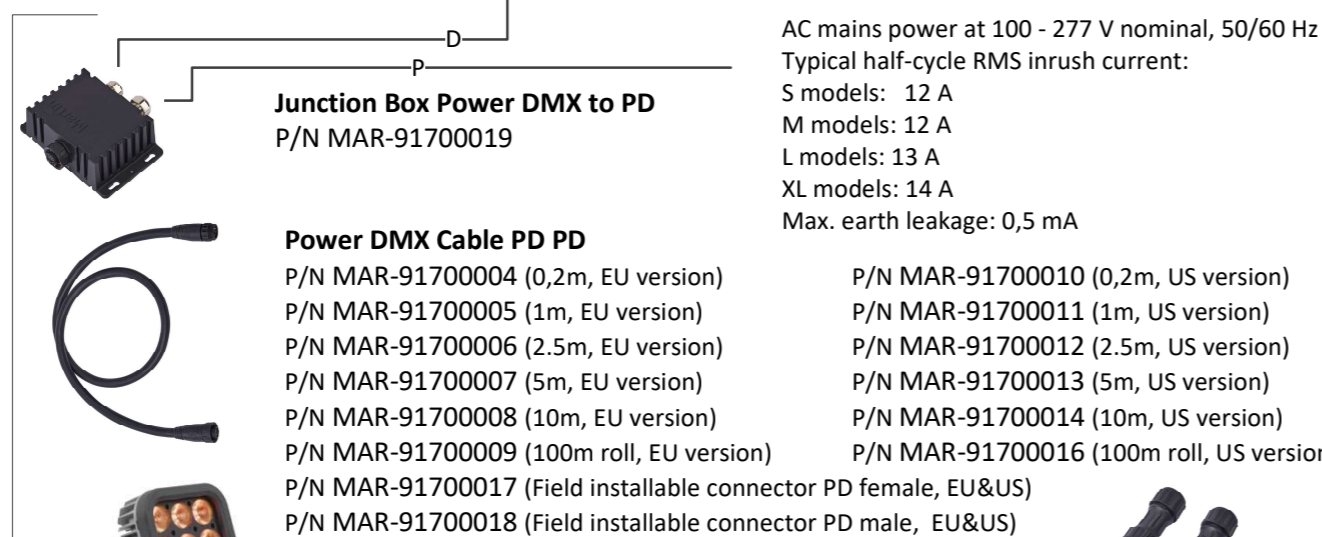
DMX Source



## DMX Channels

	Standard Mode			Fixtures/Univers
	RAW	RGB		
Pro S QUAD	6 ch	4 ch	3 ch	128/85/170 pcs
Pro S CTC	3 ch	3 ch	-	170/170 pcs
Pro M QUAD	6 ch	4 ch	3 ch	128/80/170 pcs
Pro M CTC	3 ch	3 ch	-	170/170 pcs
Pro L QUAD	6 ch	4 ch	3 ch	128/85/170 pcs
Pro L CTC	3 ch	3 ch	-	170/170 pcs
Pro XL QUAD	6 ch	4 ch	3 ch	128/85/170 pcs
Pro XL CTC	3 ch	3 ch	-	170/170 pcs

## Exterior Wash Pro Family generic layout



AC mains power at 100 - 277 V nominal, 50/60 Hz  
 Typical half-cycle RMS inrush current:  
 S models: 12 A  
 M models: 12 A  
 L models: 13 A  
 XL models: 14 A  
 Max. earth leakage: 0,5 mA

**Junction Box Power DMX to PD**  
 P/N MAR-91700019

### Power DMX Cable PD PD

- |                                                                 |                                          |
|-----------------------------------------------------------------|------------------------------------------|
| P/N MAR-91700004 (0,2m, EU version)                             | P/N MAR-91700010 (0,2m, US version)      |
| P/N MAR-91700005 (1m, EU version)                               | P/N MAR-91700011 (1m, US version)        |
| P/N MAR-91700006 (2.5m, EU version)                             | P/N MAR-91700012 (2.5m, US version)      |
| P/N MAR-91700007 (5m, EU version)                               | P/N MAR-91700013 (5m, US version)        |
| P/N MAR-91700008 (10m, EU version)                              | P/N MAR-91700014 (10m, US version)       |
| P/N MAR-91700009 (100m roll, EU version)                        | P/N MAR-91700016 (100m roll, US version) |
| P/N MAR-91700017 (Field installable connector PD female, EU&US) |                                          |
| P/N MAR-91700018 (Field installable connector PD male, EU&US)   |                                          |

### Exterior Wash Pro Family:

	QUAD, EU, ALU	QUAD, EU, WH	QUAD, US, ALU	CTC, EU, ALU	CTC, US, ALU
<b>EW Pro S</b>	MAR- 90590001	MAR- 90590101	MAR- 90590005	MAR- 90590009	MAR- 90590013
<b>EW Pro M</b>	MAR- 90590002	MAR- 90590102	MAR- 90590006	MAR- 90590010	MAR- 90590014
<b>EW Pro L</b>	MAR- 90590003	MAR- 90590103	MAR- 90590007	MAR- 90590011	MAR- 90590015
<b>EW Pro XL</b>	MAR- 90590004	MAR- 90590104	MAR- 90590008	MAR- 90590012	MAR- 90590016

### Power DMX Cable PD PD

(Not required if Exterior Wash Pro are mounted next to each other (0,5m cm cable length in the PD cable tail kit)

### Exterior Wash Pro

### Hybrid PD cable option:

- Option A: Fixtures need to be modified with PD cable tail In/Out 0.5M –Black -MAR-91700020
- Option B: Fixtures must be ordered as custom part numbers with PD cable preinstalled from factory

**End Termination Cap**  
 P/N MAR-91700015

## Limitations:

- Max. permitted amps per chain: **13 A**
- Max. permitted length of chain(110V-120V): **37m (Fixture tail + cable)**
- Max. permitted length of chain(220V-207V): **150m (Fixture tail + cable)**

	Standard Mode			Reduced Power Mode		
		110-120 V	220-270 V		110-120 V	220-270 V
	Power consumption	Max. fixtures per chain	Max. fixtures per chain	Power consumption	Max. fixtures per chain	Max. fixtures per chain
<b>Exterior Wash Pro S</b>	35 W	32 pcs.	32 pcs.	28 W	32 pcs.	32 pcs.
<b>Exterior Wash Pro M</b>	75 W	15 pcs.	32 pcs.	60 W	19 pcs.	32 pcs.
<b>Exterior Wash Pro L</b>	150 W	7 pcs.	17 pcs.	120 W	9 pcs.	21 pcs.
<b>Exterior Wash Pro XL</b>	250 W	4 pcs.	10 pcs.	200 W	5 pcs.	13 pcs.

## Accessories:

	Pro S	Pro M	Pro L	Pro XL
<b>Micro Lens Pro – Narrow</b>	MAR-90590026	MAR-90590031	MAR-90590036	MAR-90590041
<b>Micro Lens Pro – Medium</b>	MAR-90590027	MAR-90590032	MAR-90590037	MAR-90590042
<b>Micro Lens Pro – Wide</b>	MAR-90590028	MAR-90590033	MAR-90590038	MAR-90590043
<b>Micro Lens Pro – Very Wide</b>	MAR-90590029	MAR-90590034	MAR-90590039	MAR-90590044
<b>Micro Lens Pro – Asymmetric</b>	MAR-90590030	MAR-90590035	MAR-90590040	MAR-90590045
<b>Baffle Snoot Pro QUAD</b>	MAR-90590017	MAR-90590018	MAR-90590019	MAR-90590020
<b>Baffle Snoot Pro CTC</b>	MAR-90590021	MAR-90590022	MAR-90590023	MAR-90590024
<b>Attachment Plate</b>	MAR-90590050			
<b>Multitool</b>	MAR-90590025			
<b>PD cable tail In/Out 0.5M - Black</b>	MAR-91700020			



**CABLES:**  
 D - DMX CABLE H - HYBRID CABLE (PROVIDED BY MARTIN) P - POWER CABLE