

# GENERIC SYSTEM DIAGRAM – VDO SCEPTRON XB (P3 PowerPort 2000)



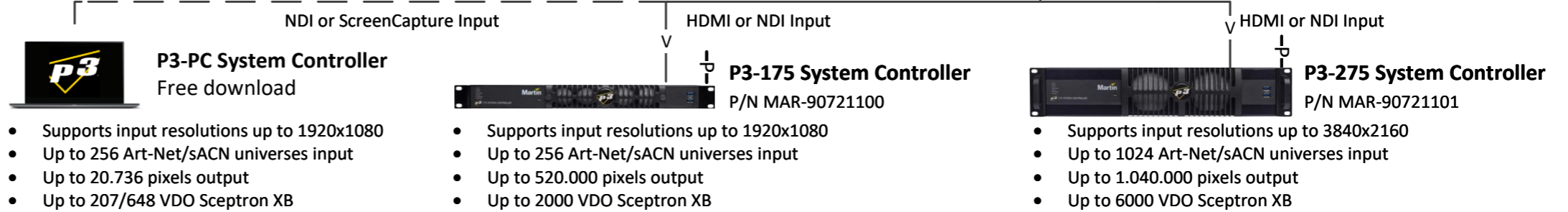
## Lighting Console



(PROVIDED BY OTHERS)

- Please find the different DMX modes and channel counts in the User Manual.

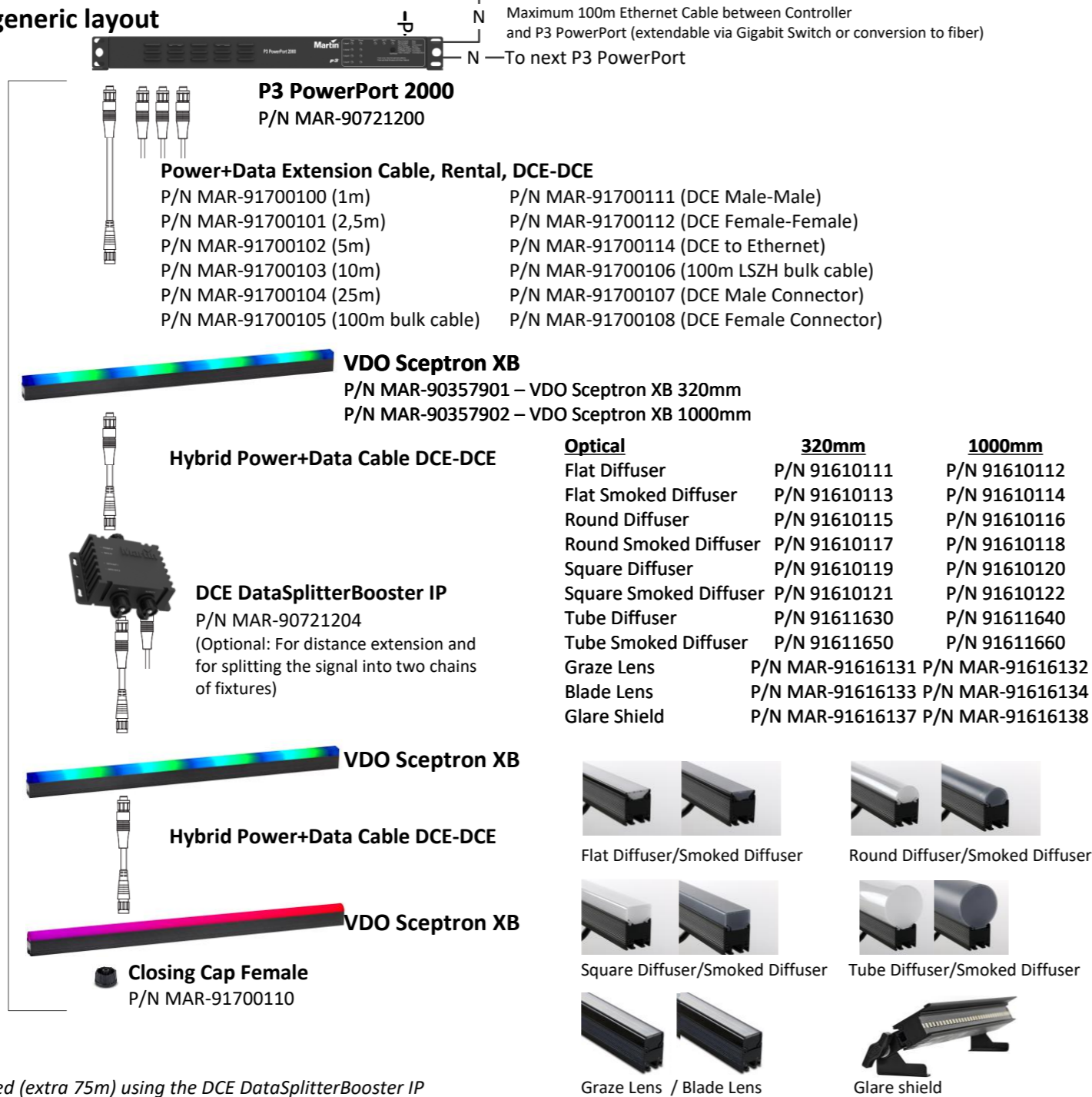
## P3 System Controllers



Art-Net or sACN from Lighting Console directly to P3 PowerPort

P3 from P3 System Controller directly to P3 PowerPort

## VDO Sceptron XB generic layout



| Maximum total length of chain (fixtures + cables) | Maximum total length of fixtures in chain Full Power mode | Maximum total length of fixtures in chain Half Power mode |
|---|---|---|
| Up to 25m (82ft.)**                               | 12m of fixtures   | 21m of fixtures   |
| 25 - 50m (82 - 164ft.)**                          | 11m of fixtures   | 18m of fixtures   |
| 50 - 75m (164 - 246ft.)**                         | 9m of fixtures  | 15m of fixtures   |
| 75 - 100m (246 - 328ft.)**                        | 7m of fixtures  | 11m of fixtures   |
| 100 - 125m (328 - 410ft.)**                       | 5m of fixtures  | 9m of fixtures  |
| 125 - 150m (410 - 492ft.)**                       | 4m of fixtures  | 7m of fixtures  |
| 150 - 175m (492 - 574ft.)**                       | 3m of fixtures  | 6m of fixtures  |
| 175 - 200m (574 - 656ft.)**                       | 3m of fixtures  | 5m of fixtures  |

\*\* If the total cable length is not given in the table, respect the maximum total number of meters given for the next highest length.

### Accessories:

- VDO Sceptron/Fatron Sliding Brackets, set of 10: P/N 91610123
- Super Lightweight Half Coupler Rigging Clamp, black: P/N 91602018 (1)
- Low Profile VDO Sceptron™/Fatron™ Half Coupler: P/N 91611790 (2)
- VDO Sceptron Parallel Couplers, 30/40/50 mm, set of 10: P/N 91610125 (1)
- VDO Sceptron Parallel Couplers, 60/70/80 mm, set of 10: P/N 91610138 (2)
- VDO Sceptron Linear Aligners, set of 10: P/N 91610124 (1)
- VDO Sceptron/Fatron™ Linear Coupler: P/N 91611843 (2)
- VDO Sceptron Pivot Coupler: P/N 91611793
- VDO Sceptron/Fatron Floorstands, set of two: P/N 91611792
- VDO Sceptron Spigot Adapter, 28 mm: P/N 91611791
- Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, black: P/N 91604006
- Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, silver: P/N 91604007

**CABLES:**  
P - POWER CABLE V - VIDEO CABLE (PROVIDED BY OTHERS) N - CAT6E STP CABLE (PROVIDED BY OTHERS)

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# GENERIC SYSTEM DIAGRAM – VDO SCEPTRON XB (P3 PowerPort 500 IP Rental)



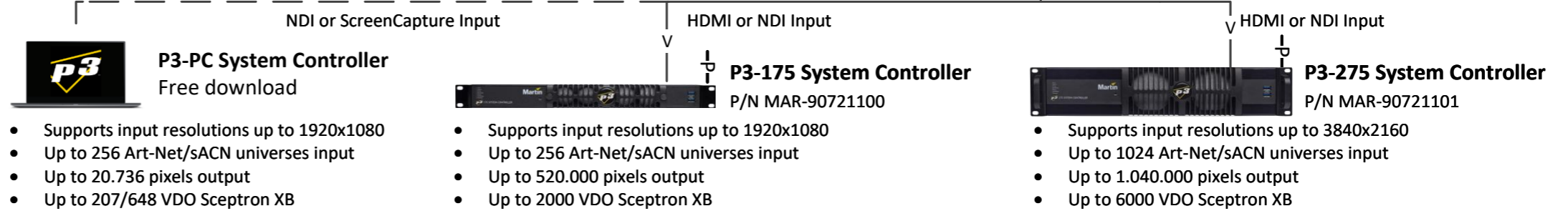
## Lighting Console



(PROVIDED BY OTHERS)

- Please find the different DMX modes and channel counts in the User Manual.

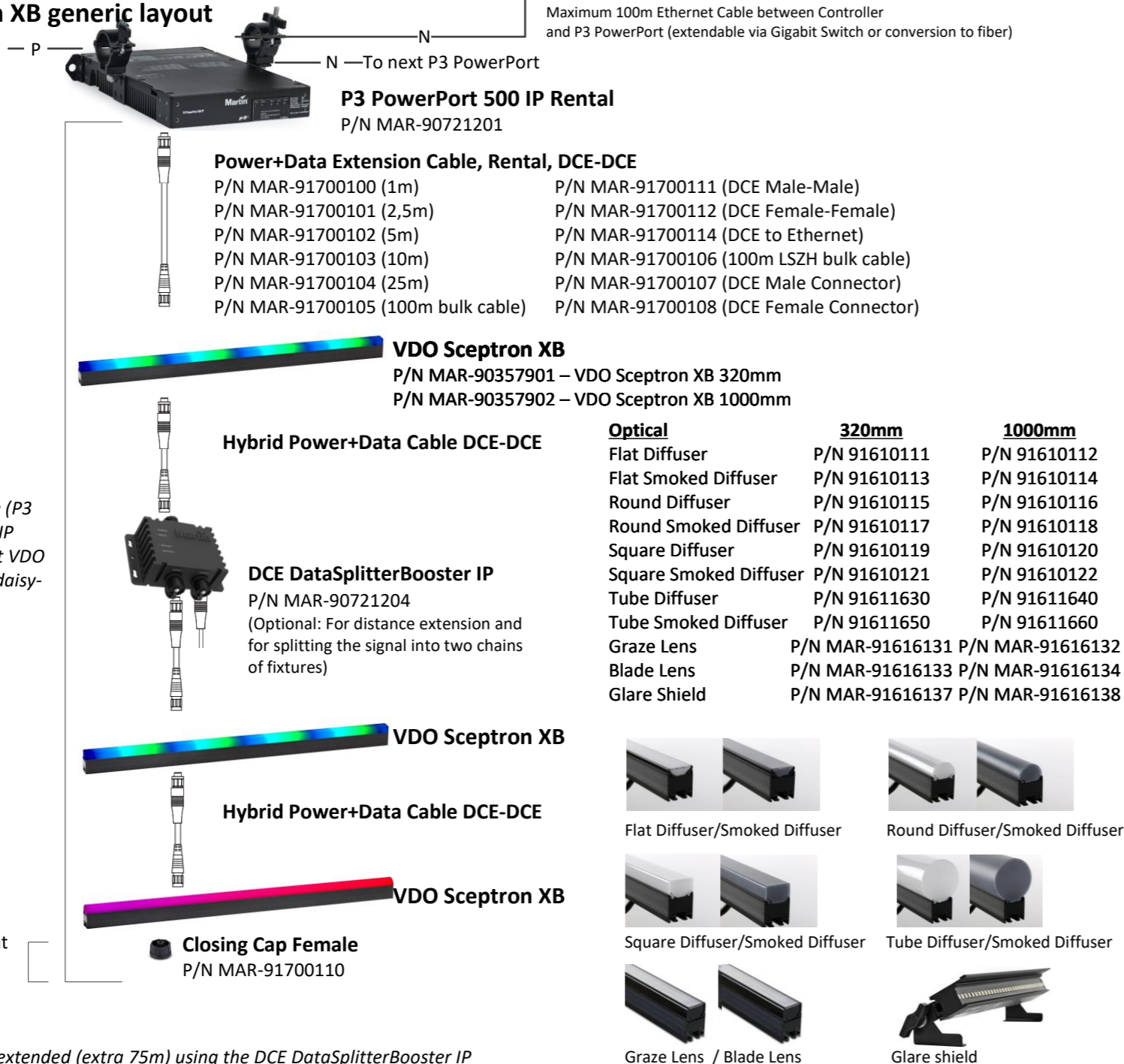
## P3 System Controllers



Art-Net or sACN from Lighting Console directly to P3 PowerPort

P3 from P3 System Controller directly to P3 PowerPort

## VDO Sceptron XB generic layout



| Maximum total length of chain (fixtures + cables) | Maximum total length of fixtures in chain Full Power mode | Maximum total length of fixtures in chain Half Power mode |
|---|---|---|
| Up to 25m (82ft.)**                               | 12m of fixtures   | 21m of fixtures   |
| 25 - 50m (82 - 164ft.)**                          | 11m of fixtures   | 18m of fixtures   |
| 50 - 75m (164 - 246ft.)**                         | 9m of fixtures  | 15m of fixtures   |
| 75 - 100m (246 - 328ft.)**                        | 7m of fixtures  | 11m of fixtures   |
| 100 - 125m (328 - 410ft.)**                       | 5m of fixtures  | 9m of fixtures  |
| 125 - 150m (410 - 492ft.)**                       | 4m of fixtures  | 7m of fixtures  |
| 150 - 175m (492 - 574ft.)**                       | 3m of fixtures  | 6m of fixtures  |
| 175 - 200m (574 - 656ft.)**                       | 3m of fixtures  | 5m of fixtures  |

\*\* If the total cable length is not given in the table, respect the maximum total number of meters given for the next highest length.

### Accessories:

- VDO Sceptron/Fatron Sliding Brackets, set of 10: P/N 91610123
- Super Lightweight Half Coupler Rigging Clamp, black: P/N 91602018 (1)
- Low Profile VDO Sceptron™/Fatron™ Half Coupler: P/N 91611790 (2)
- VDO Sceptron Parallel Couplers, 30/40/50 mm, set of 10: P/N 91610125 (1)
- VDO Sceptron Parallel Couplers, 60/70/80 mm, set of 10: P/N 91610138 (2)
- VDO Sceptron Linear Aligners, set of 10: P/N 91610124 (1)
- VDO Sceptron/Fatron™ Linear Coupler: P/N 91611843 (2)
- VDO Sceptron Pivot Coupler: P/N 91611793
- VDO Sceptron/Fatron Floorstands, set of two: P/N 91611792
- VDO Sceptron Spigot Adapter, 28 mm: P/N 91611791
- Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, black: P/N 91604006
- Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, silver: P/N 91604007

Max. distance between source (P3 PowerPort 500 IP Rental) and first VDO Sceptron XB in daisy-chain: 75m\*

Install blanking caps on all unused female connectors at end of chains (if outdoor)

\* distances can be extended (extra 75m) using the DCE DataSplitterBooster IP

**CABLES:**  
P - POWER CABLE V - VIDEO CABLE (PROVIDED BY OTHERS) N - CAT6E STP CABLE (PROVIDED BY OTHERS)

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# GENERIC SYSTEM DIAGRAM – VDO SCEPTRON XB (DCE PSU 240 IP)



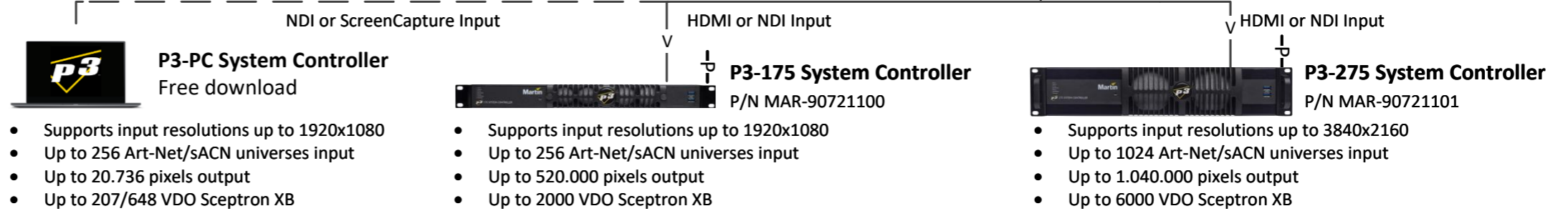
## Lighting Console



(PROVIDED BY OTHERS)

- Please find the different DMX modes and channel counts in the User Manual.

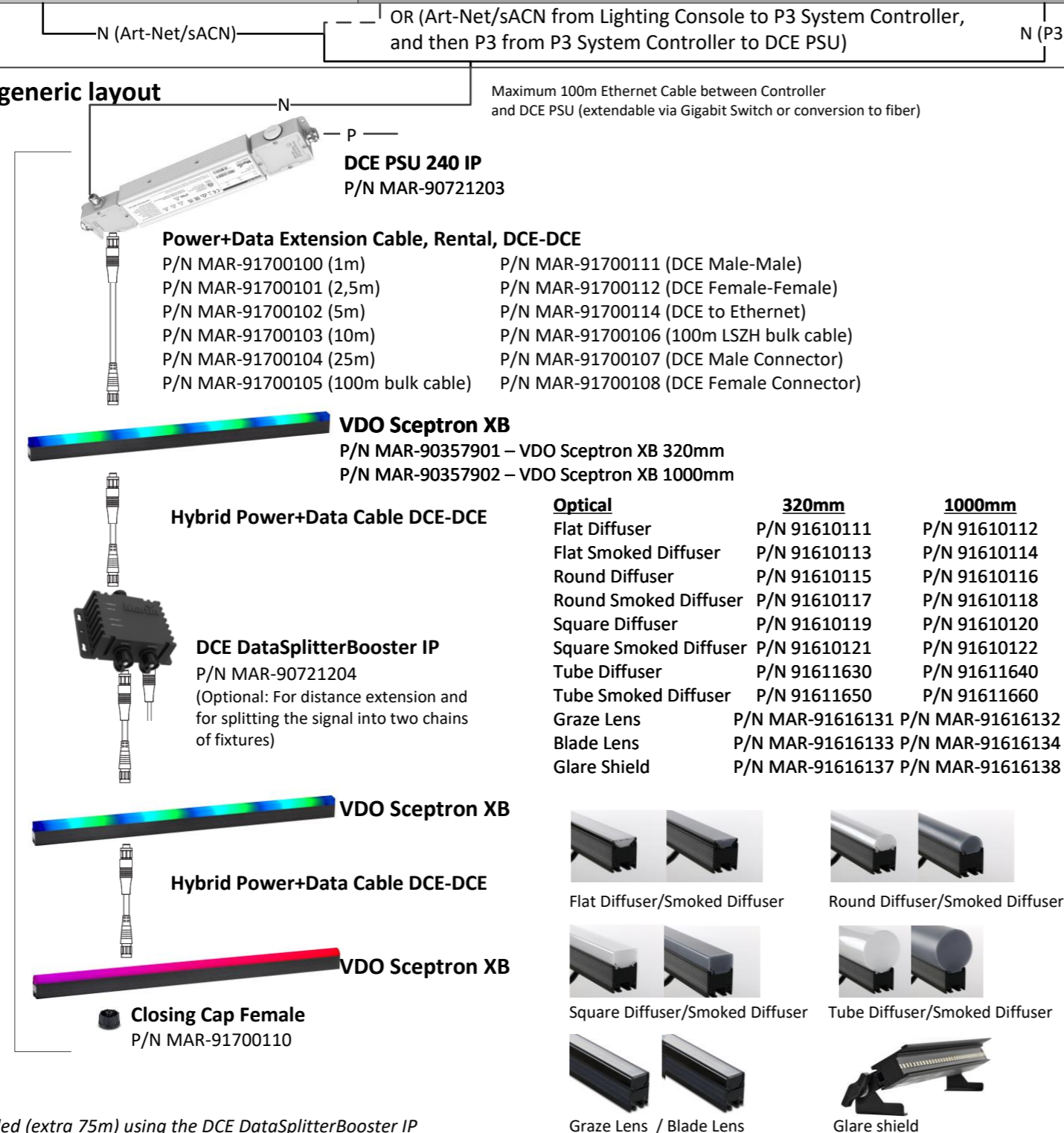
## P3 System Controllers



Art-Net or sACN from Lighting Console directly to DCE PSU

P3 from P3 System Controller directly to DCE PSU

## VDO Sceptron XB generic layout



Max. distance between source (DCE PSU 240 IP) and first VDO Sceptron XB in daisy-chain: 75m\*

Install blanking caps on all unused female connectors at end of chains (if outdoor)

\* distances can be extended (extra 75m) using the DCE DataSplitterBooster IP

**CABLES:**  
P - POWER CABLE V - VIDEO CABLE (PROVIDED BY OTHERS) N - CAT6E STP CABLE (PROVIDED BY OTHERS)

| Maximum total length of chain (fixtures + cables) | Maximum total length of fixtures in chain Full Power mode | Maximum total length of fixtures in chain Half Power mode |
|---|---|---|
| Up to 25m (82ft.)**                               | 6m of fixtures  | 10m of fixtures   |
| 25 - 50m (82 - 164ft.)**                          | 5m of fixtures  | 9m of fixtures  |
| 50 - 75m (164 - 246ft.)**                         | 5m of fixtures  | 9m of fixtures  |
| 75 - 100m (246 - 328ft.)**                        | 4m of fixtures  | 8m of fixtures  |
| 100 - 125m (328 - 410ft.)**                       | 4m of fixtures  | 7m of fixtures  |
| 125 - 150m (410 - 492ft.)**                       | 3m of fixtures  | 7m of fixtures  |
| 150 - 175m (492 - 574ft.)**                       | 3m of fixtures  | 6m of fixtures  |
| 175 - 200m (574 - 656ft.)**                       | 2m of fixtures  | 5m of fixtures  |

\*\* If the total cable length is not given in the table, respect the maximum total number of meters given for the next highest length.

### Accessories:

- VDO Sceptron/Fatron Sliding Brackets, set of 10: P/N 91610123
- Super Lightweight Half Coupler Rigging Clamp, black: P/N 91602018 (1)
- Low Profile VDO Sceptron™/Fatron™ Half Coupler: P/N 91611790 (2)
- VDO Sceptron Parallel Couplers, 30/40/50 mm, set of 10: P/N 91610125 (1)
- VDO Sceptron Parallel Couplers, 60/70/80 mm, set of 10: P/N 91610138 (2)
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- VDO Sceptron/Fatron™ Linear Coupler: P/N 91611843 (2)
- VDO Sceptron Pivot Coupler: P/N 91611793
- VDO Sceptron/Fatron Floorstands, set of two: P/N 91611792
- VDO Sceptron Spigot Adapter, 28 mm: P/N 91611791
- Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, black: P/N 91604006
- Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, silver: P/N 91604007

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