

GENERIC SYSTEM DIAGRAM – VDO ATOMIC DOT WITH DMX CONTROL

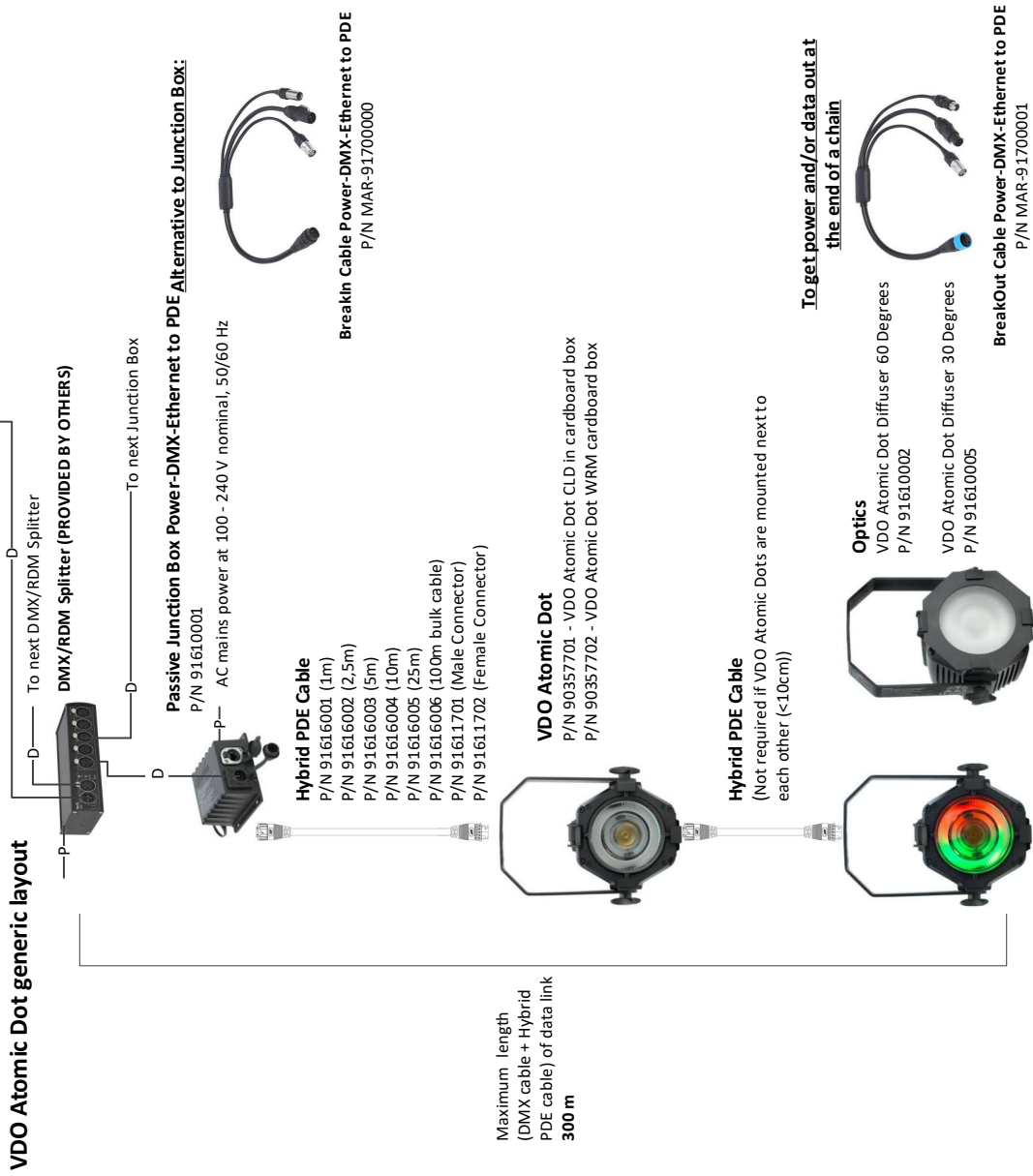


(PROVIDED BY OTHERS)

DMX control channels

Fixture type	1 channel mode	3 channel mode	4 channel mode	Basic mode	Extended mode
VDO Atomic Dot CLD	1	3	4	19	64
VDO Atomic Dot WRM	1	3	4	19	64

VDO Atomic Dot generic layout



Fixture type	Maximum permitted VDO Atomic Dot per Passive Junction Box
VDO Atomic Dot CLD	32
VDO Atomic Dot WRM	32

Accessories:



Super Lightweight Half Coupler Rigging Clamp, black: P/N 91602018

Set of 10 VDO Atomic Couplers: P/N 91610003

VDO Atomic Interlock Adapter: P/N 91610006

VDO Atomic Dot Double Width Bracket: P/N 91616117

VDO Atomic Spigot Adapter 28mm: P/N MAR-91616118

VDO Atomic Pivot Coupler: P/N 91610007

VDO Atomic Half Coupler: P/N 91610004

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:
D - DMX CABLE F - FIBER OPTIC CABLE (PROVIDED BY OTHERS) H - HYBRID CABLE (PROVIDED BY MARTIN) P - POWER CABLE V - VIDEO CABLE W - VIDEO CABLE (PROVIDED BY OTHERS) N - CAT6E STP CABLE (PROVIDED BY OTHERS)
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GENERIC SYSTEM DIAGRAM – VDO ATOMIC DOT WITH DMX CONTROL

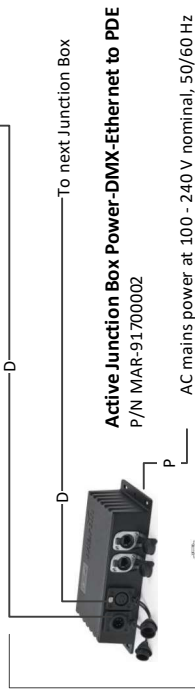


(PROVIDED BY OTHERS)

DMX control channels

Fixture type	1 channel mode	3 channel mode	4 channel mode	Basic mode	Extended mode
VDO Atomic Dot CLD	1	3	4	19	64
VDO Atomic Dot WRM	1	3	4	19	64

VDO Atomic Dot generic layout



Maximum length between Junction Box and last fixture is **300 m**

Accessories:



Super Lightweight Half Coupler Rigging Clamp, black: P/N 91602018

Set of 10 VDO Atomic Couplers: P/N 91610003

VDO Atomic Interlock Adapter: P/N 91610006

VDO Atomic Dot Double Width Bracket: P/N 91616117

VDO Atomic Spigot Adapter 28mm: P/N MAR-91616118

VDO Atomic Pivot Coupler: P/N 91610007

VDO Atomic Half Coupler: P/N 91610004

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

To get power and/or data out at the end of a chain



BreakOut Cable Power-DMX-Ethernet to PDE
P/N MAR-91700001

Optics

VDO Atomic Dot Diffuser 60 Degrees
P/N 91610002

VDO Atomic Dot Diffuser 30 Degrees
P/N 91610005

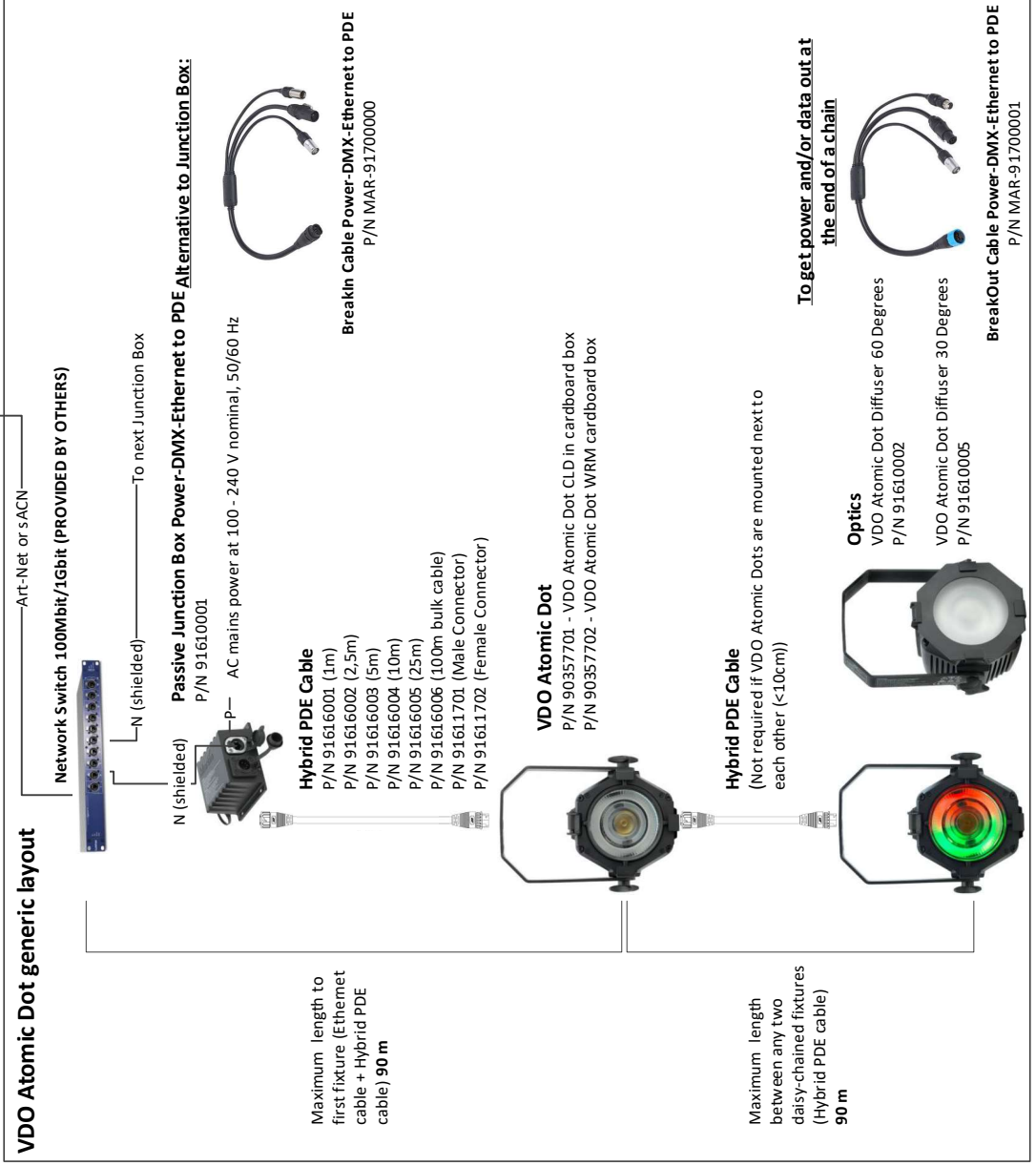


GENERIC SYSTEM DIAGRAM – VDO ATOMIC DOT WITH Art-Net or SACN CONTROL



(PROVIDED BY OTHERS)

Fixture type	DMX control channels				Extended mode
	1 channel mode	3 channel mode	4 channel mode	Basic mode	
VDO Atomic Dot CLD	1	3	4	19	64
VDO Atomic Dot WRM	1	3	4	19	64



Fixture type	Maximum permitted VDO Atomic Dot per Passive Junction Box		
	Maximum total number of fixtures in chain	Maximum length between Network Switch and first fixture (PDE + Ethernet cable)	Maximum length between any two daisy-chained fixtures (PDE Cable)
VDO Atomic Dot CLD	32	90m	90m
VDO Atomic Dot WRM	32	90m	90m

Accessories:



Super Lightweight Half Coupler Rigging Clamp, black: P/N 91602018

Set of 10 VDO Atomic Couplers: P/N 91610003

VDO Atomic Interlock Adapter: P/N 91610006

VDO Atomic Dot Double Width Bracket: P/N 91616117

VDO Atomic Spigot Adapter 28mm: P/N MAR-91616118

VDO Atomic Pivot Coupler: P/N 91610007

VDO Atomic Half Coupler: P/N 91610004

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:
D - DMX CABLE F - FIBER OPTIC CABLE (PROVIDED BY OTHERS) H - HYBRID CABLE (PROVIDED BY MARTIN) P - POWER CABLE V - VIDEO CABLE W - VIDEO CABLE (PROVIDED BY OTHERS) N - CAT6E STP CABLE (PROVIDED BY OTHERS)

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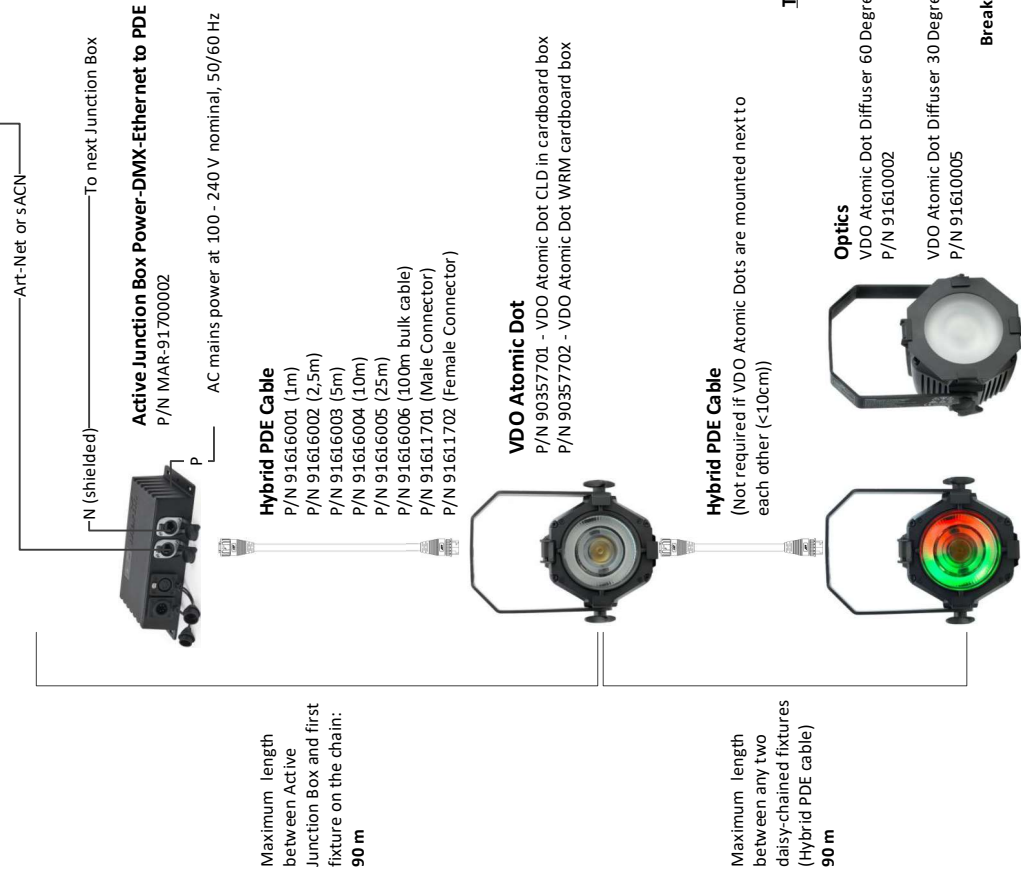
GENERIC SYSTEM DIAGRAM – VDO ATOMIC DOT WITH Art-Net or SACN CONTROL



(PROVIDED BY OTHERS)

Fixture type	DMX control channels				Extended mode
	1 channel mode	3 channel mode	4 channel mode	Basic mode	
VDO Atomic Dot CLD	1	3	4	19	64
VDO Atomic Dot WRM	1	3	4	19	64

VDO Atomic Dot generic layout



Fixture type	Maximum permitted VDO Atomic Dot per Active Junction Box		
	Maximum total number of fixtures in chain	Maximum length between Active Junction Box and first fixture on the chain	Maximum length between any two daisy-chained fixtures (PDE Cable)
VDO Atomic Dot CLD	32	90m	90m
VDO Atomic Dot WRM	32	90m	90m

Accessories:



CABLES:
D - DMX CABLE F - FIBER OPTIC CABLE (PROVIDED BY OTHERS) H - HYBRID CABLE (PROVIDED BY MARTIN) P - POWER CABLE V - VIDEO CABLE (PROVIDED BY OTHERS) N - CAT6E STP CABLE (PROVIDED BY OTHERS)

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GENERIC SYSTEM DIAGRAM – VDO ATOMIC DOT WITH P3 CONTROL



P3 Controllers

Media Server and/or Lighting Controller (Provided by others)


Internal Video input, Art-Net, sACN



Martin P3-050 Controller™
Video signal processor
P/N 90721090

- Up to 100,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 128 Art-Net universes
- Maximum 2000 VDO Atomic Dot


DVI Video input, DMX, Art-Net, sACN



Martin P3-150 Controller™
Video signal processor
P/N 90721015

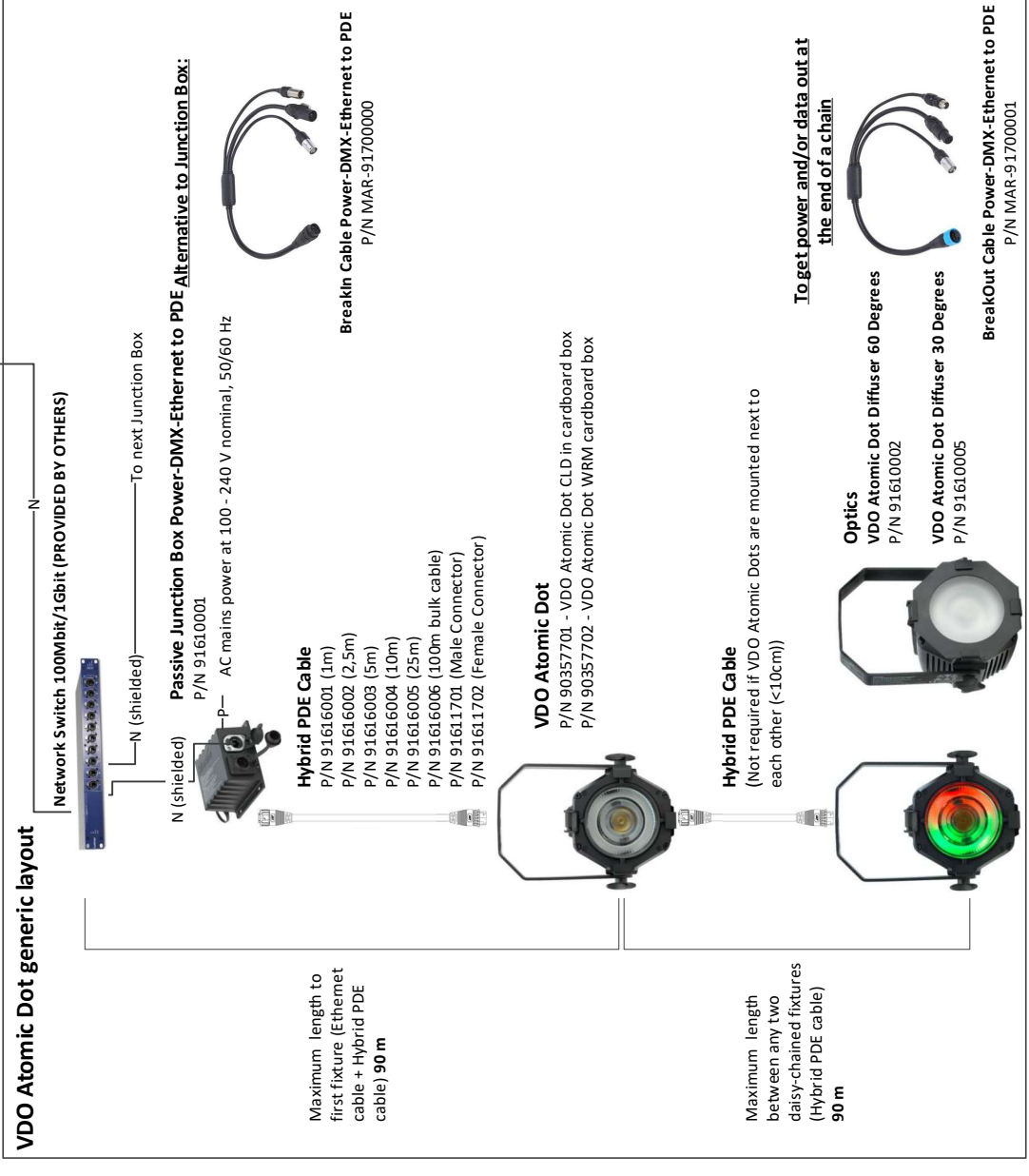
- Up to 520,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 128 Art-Net universes
- Maximum 2000 VDO Atomic Dot

DVI or 3G-SDI Video input, DMX, Art-Net, sACN



Martin P3-300 Controller™
Video signal processor
P/N 90721060

- Up to 2,080,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 64 Art-Net universes
- Maximum 2000 VDO Atomic Dot



Maximum permitted VDO Atomic Dot per Passive Junction Box		
Fixture type	Maximum total number of fixtures in chain	Maximum length between any two daisy-chained fixtures (PDE Cable)
VDO Atomic Dot CLD	32	90m
VDO Atomic Dot WRM	32	90m

Accessories:

-  Super Lightweight Half Coupler Rigging Clamp, black: P/N 91602018
-  Set of 10 VDO Atomic Couplers: P/N 91610003
-  VDO Atomic Interlock Adapter: P/N 91610006
-  VDO Atomic Dot Double Width Bracket: P/N 91616117
-  VDO Atomic Spigot Adapter 28mm: P/N MAR-91616118
-  VDO Atomic Pivot Coupler: P/N 91610007
-  VDO Atomic Half Coupler: P/N 91610004
-  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:
D - DIMX CABLE F - FIBER OPTIC CABLE (PROVIDED BY OTHERS) H - HYBRID CABLE (PROVIDED BY MARTIN) P - POWER CABLE V - VIDEO CABLE W - VIDEO CABLE (PROVIDED BY OTHERS) N - CAT6E STP CABLE (PROVIDED BY OTHERS)

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GENERIC SYSTEM DIAGRAM – VDO ATOMIC DOT WITH P3 CONTROL



P3 Controllers



- Up to 20,736 pixels
- On-screen grabber for video-capture
- Maximum 128 Art-Net universes
- Maximum 1219 VDO Atomic Dot

Internal Video input, Art-Net, sACN



Martin P3-050 Controller™
Video signal processor
P/N 90721090

- Up to 100,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 128 Art-Net universes
- Maximum 2000 VDO Atomic Dot

DVI Video input, DMX, Art-Net, sACN



Martin P3-150 Controller™
Video signal processor
P/N 90721015

- Up to 520,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 128 Art-Net universes
- Maximum 2000 VDO Atomic Dot

V/N

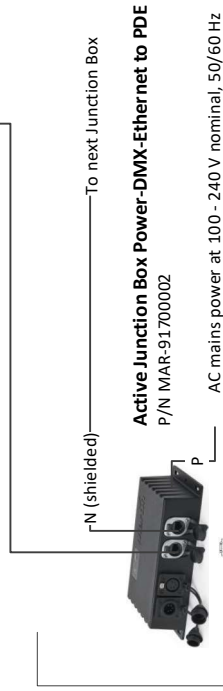


Martin P3-300 Controller™
Video signal processor
P/N 90721060

- Up to 2,080,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 64 Art-Net universes
- Maximum 2000 VDO Atomic Dot

Media Server and/or Lighting Controller (Provided by others)

VDO Atomic Dot generic layout

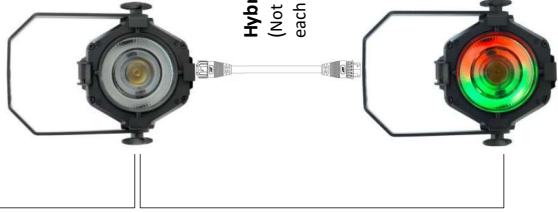


Maximum length between Active Junction Box and first fixture on the chain: **90 m**

- Hybrid PDE Cable**
P/N 91616001 (1m)
P/N 91616002 (2.5m)
P/N 91616003 (5m)
P/N 91616004 (10m)
P/N 91616005 (25m)
P/N 91616006 (100m bulk cable)
P/N 91611701 (Male Connector)
P/N 91611702 (Female Connector)

VDO Atomic Dot

- P/N 90357701 - VDO Atomic Dot CLD in cardboard box
P/N 90357702 - VDO Atomic Dot WRM cardboard box



Hybrid PDE Cable

(Not required if VDO Atomic Dots are mounted next to each other (<10cm))

Maximum length between any two daisy-chained fixtures (Hybrid PDE cable) **90 m**

To get power and/or data out at the end of a chain



Optics

- VDO Atomic Dot Diffuser 60 Degrees
P/N 91610002
VDO Atomic Dot Diffuser 30 Degrees
P/N 91610005

BreakOut Cable Power-DMX-Ethernet to PDE
P/N MAR-91700001

Maximum permitted VDO Atomic Dot per Active Junction Box			
Fixture type	Maximum total number of fixtures in chain	Maximum length between Active Junction Box and first fixture on the chain	Maximum length between any two daisy-chained fixtures (PDE Cable)
VDO Atomic Dot CLD	32	90m	90m
VDO Atomic Dot WRM	32	90m	90m

Accessories:



Super Lightweight Half Coupler Rigging Clamp, black: P/N 91602018

Set of 10 VDO Atomic Couplers: P/N 91610003

VDO Atomic Interlock Adapter: P/N 91610006

VDO Atomic Dot Double Width Bracket: P/N 91616117

VDO Atomic Spigot Adapter 28mm: P/N MAR-91616118

VDO Atomic Pivot Coupler: P/N 91610007

VDO Atomic Half Coupler: P/N 91610004

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