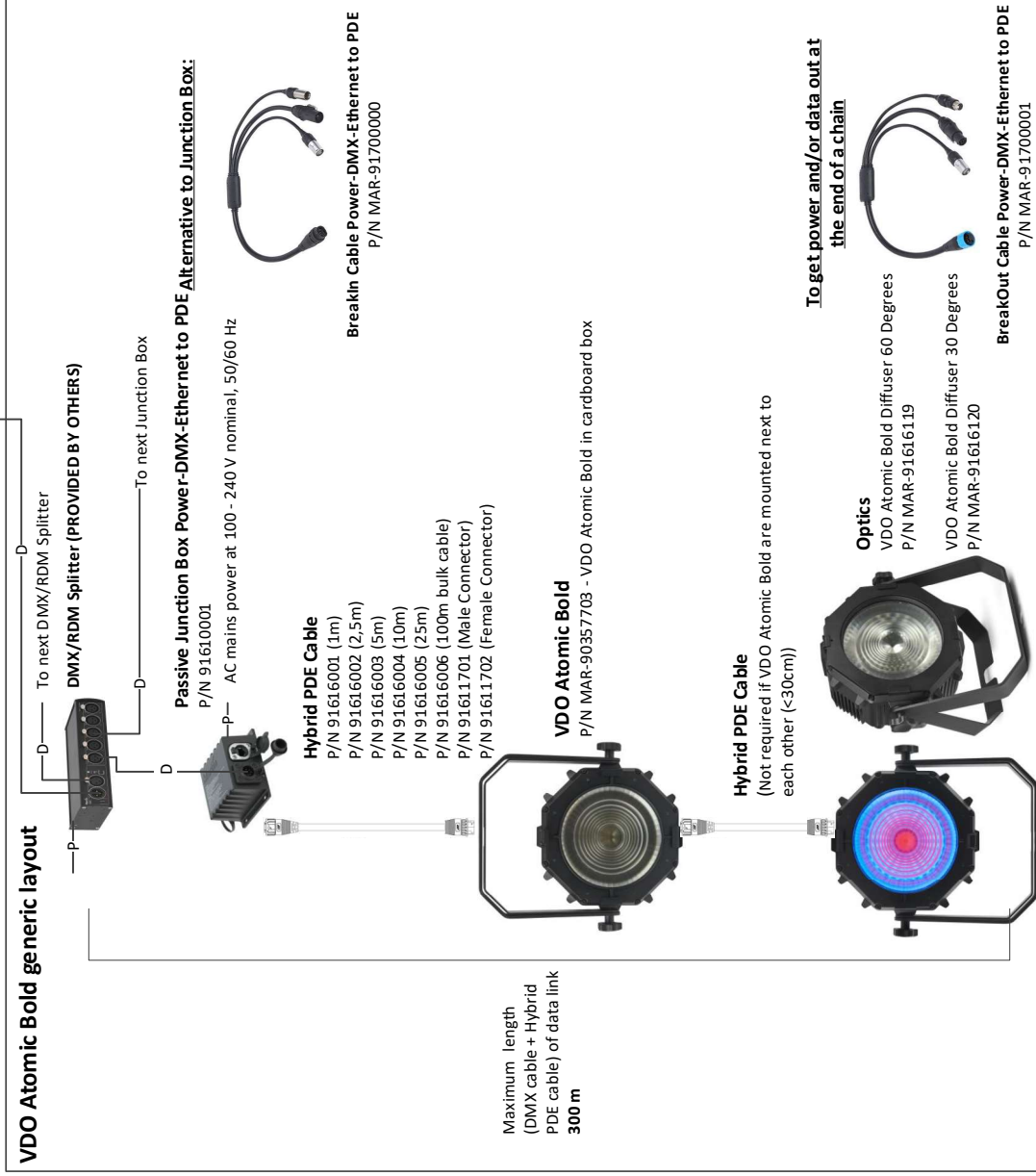


GENERIC SYSTEM DIAGRAM – VDO ATOMIC BOLD WITH DMX CONTROL



(PROVIDED BY OTHERS)

Fixture type	DMX control channels			
	1 channel mode	3 channel mode	4 channel mode	Compact mode
VDO Atomic Bold	1	3	4	10
				Extended mode
				243



Fixture type	Maximum permitted VDO Atomic Bold per Passive Junction Box	
	Maximum total number of fixtures in chain	Maximum total cable length of chain (PDE + DMX cable)
VDO Atomic Bold	9 at 230Vac 5 at 110Vac	300m

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 Bold Double Width Bracket: P/N MAR-91616121
- VDO Atomic Spigot Adapter 28mm: P/N MAR-91616118
- VDO Atomic Pivot Coupler: P/N 91610007
- VDO Atomic Half Coupler: P/N 91610004
- VDO Atomic Bold Interlock Doubler: P/N MAR-91616122
- 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

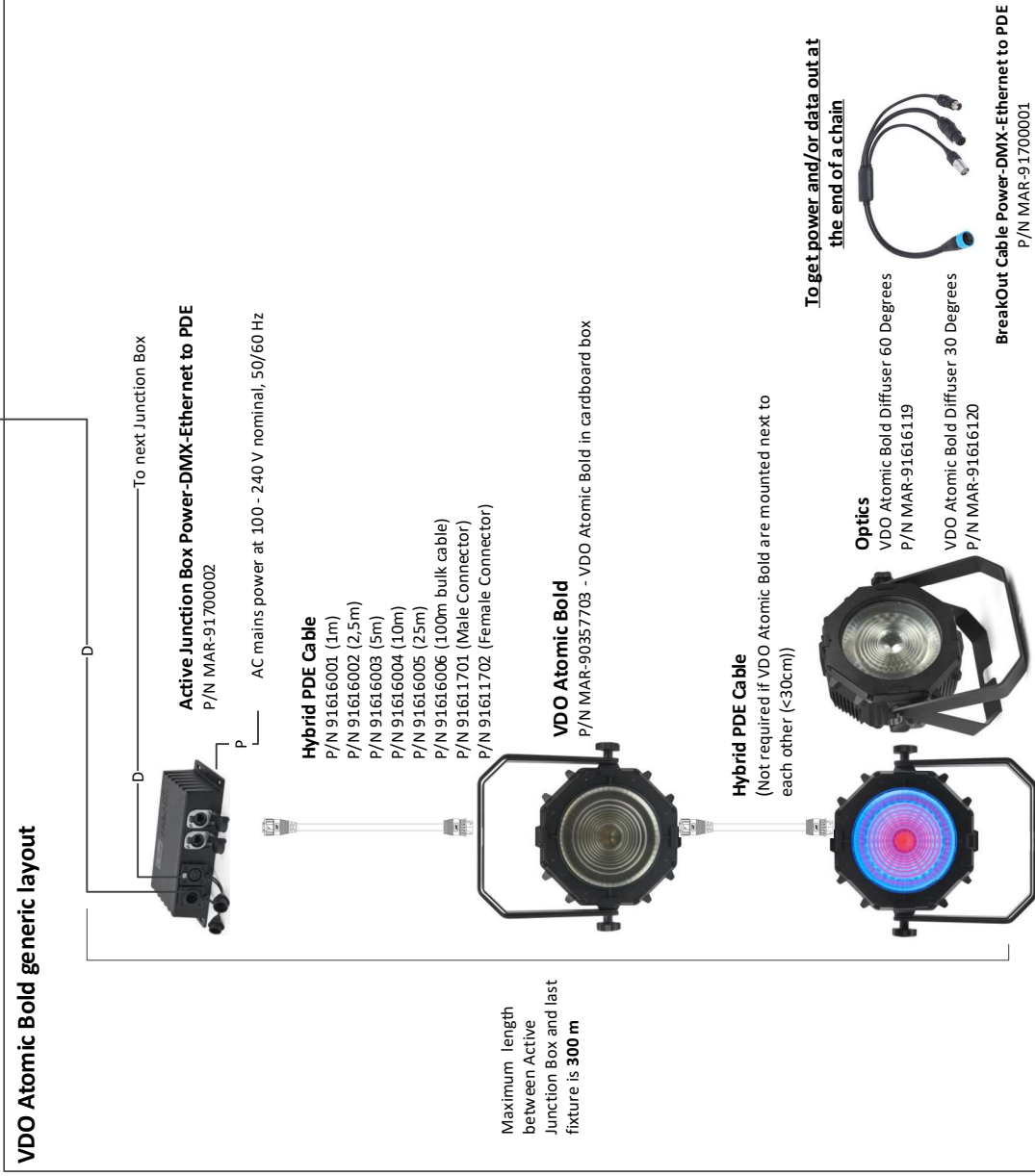
CABLES:
D - DMX CABLE (PROVIDED BY OTHERS) H - HYBRID CABLE (PROVIDED BY MARTIN) P - POWER CABLE V - VIDEO CABLE (PROVIDED BY OTHERS) N - CAT6E STP CABLE (PROVIDED BY OTHERS)
Information subject to change without notice. HARMAN Professional Denmark A/S disclaims liability for any injury, damage, direct 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.A - 16-04-2021

GENERIC SYSTEM DIAGRAM – VDO ATOMIC BOLD WITH DMX CONTROL



(PROVIDED BY OTHERS)

Fixture type	DMX control channels			
	1 channel mode	3 channel mode	4 channel mode	Compact mode
VDO Atomic Bold	1	3	4	10
				Extended mode
				243



Fixture type	Maximum permitted VDO Atomic Bold per Active Junction Box	
	Maximum total number of fixtures in chain	Maximum length between Active Junction Box and last fixture
VDO Atomic Bold	9 at 230Vac 5 at 110Vac	300m

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 Bold Double Width Bracket: P/N MAR-91616121
- VDO Atomic Spigot Adapter 28mm: P/N MAR-91616118
- VDO Atomic Pivot Coupler: P/N 91610007
- VDO Atomic Half Coupler: P/N 91610004
- VDO Atomic Bold Interlock Doubler: P/N MAR-91616122
- 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

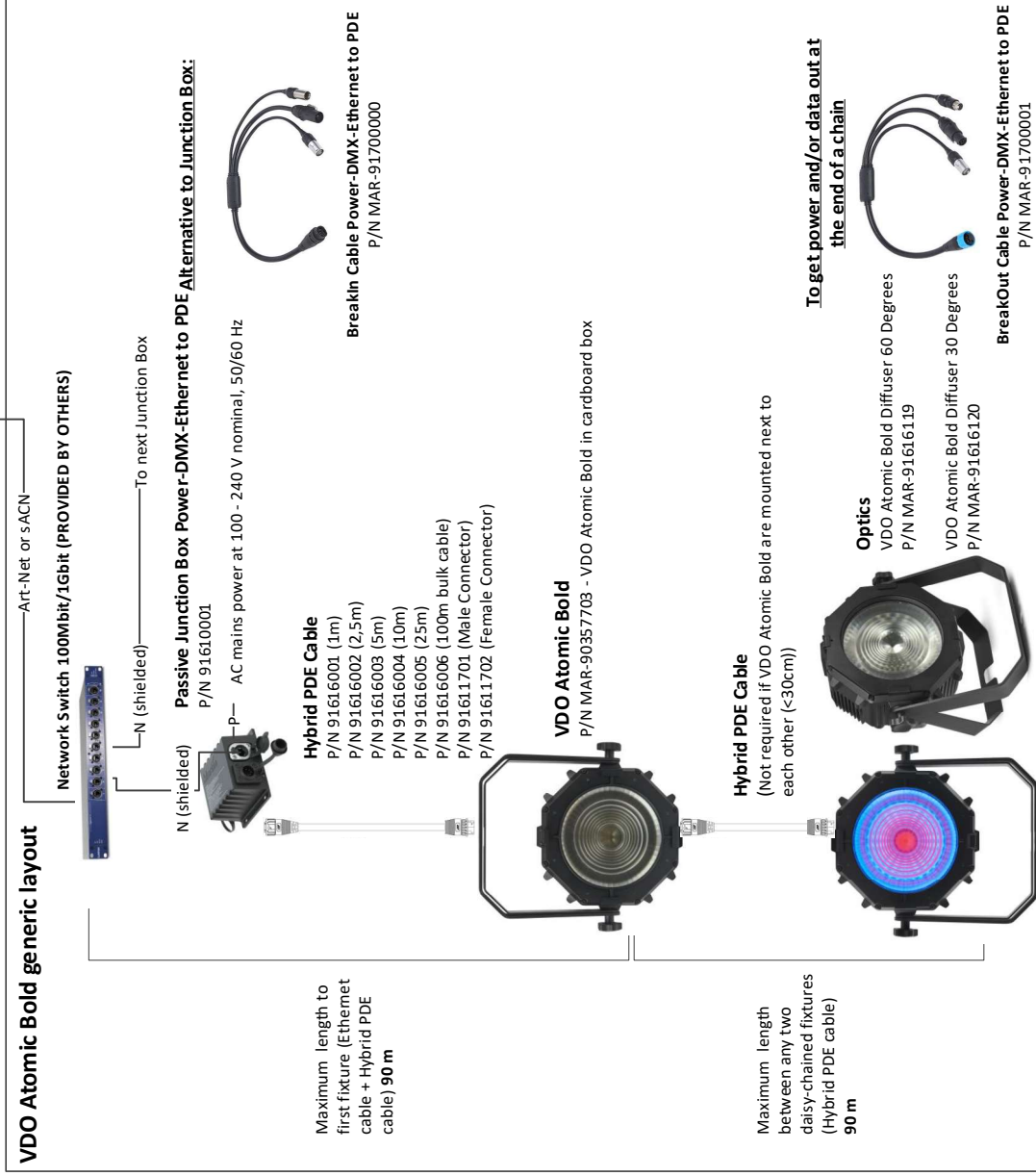
CABLES:
D - DMX CABLE (PROVIDED BY OTHERS) H - HYBRID CABLE (PROVIDED BY MARTIN) P - POWER CABLE V - VIDEO CABLE (PROVIDED BY OTHERS) N - CAT6E STP CABLE (PROVIDED BY OTHERS)
Information subject to change without notice. HARMAN Professional Denmark A/S disclaims liability for any injury, damage, direct 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 A - 16-04-2021

GENERIC SYSTEM DIAGRAM – VDO ATOMIC BOLD WITH Art-Net or sACN CONTROL



(PROVIDED BY OTHERS)

Fixture type	DMX control channels			
	1 channel mode	3 channel mode	4 channel mode	Compact mode
VDO Atomic Bold	1	3	4	10
				27
				243



Maximum permitted VDO Atomic Bold per Passive Junction Box			
Fixture type	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 Bold	9 at 230V ac 5 at 110V ac	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 Bold Double Width Bracket: P/N MAR-91616121
- VDO Atomic Spigot Adapter 28mm: P/N MAR-91616118
- VDO Atomic Pivot Coupler: P/N 91610007
- VDO Atomic Half Coupler: P/N 91610004
- VDO Atomic Bold Interlock Doubler: P/N MAR-91616122
- 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 (PROVIDED BY OTHERS) N - CAT6 STP CABLE (PROVIDED BY OTHERS)
Information subject to change without notice. HARMAN Professional Denmark A/S 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 A - 16-04-2021

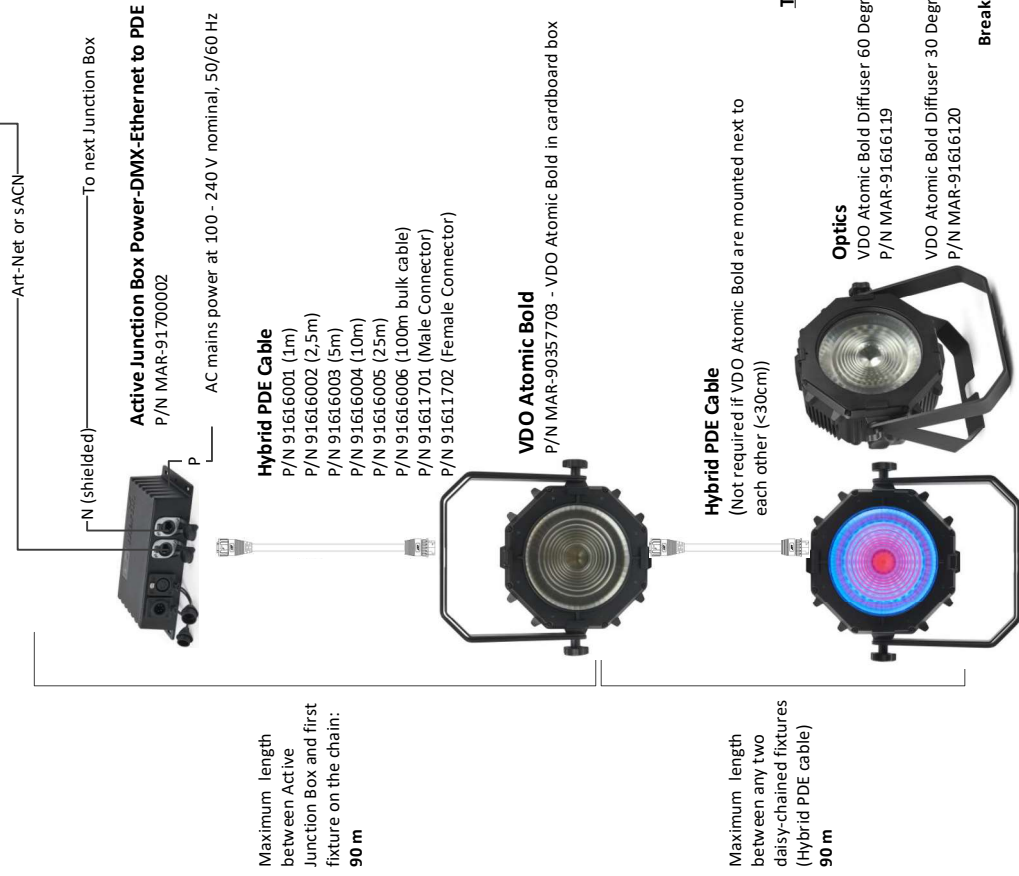
GENERIC SYSTEM DIAGRAM – VDO ATOMIC BOLD WITH Art-Net or sACN CONTROL



(PROVIDED BY OTHERS)

Fixture type	DMX control channels			
	1 channel mode	3 channel mode	4 channel mode	Compact mode
VDO Atomic Bold	1	3	4	10
				27
				243

VDO Atomic Bold generic layout



Fixture type	Maximum permitted VDO Atomic Bold 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 Bold	9 at 230Vac 5 at 110Vac	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 Bold Double Width Bracket: P/N MAR-91616121
- VDO Atomic Spigot Adapter 28mm: P/N MAR-91616118
- VDO Atomic Pivot Coupler: P/N 91610007
- VDO Atomic Half Coupler: P/N 91610004
- VDO Atomic Bold Interlock Doubler: P/N MAR-91616122
- 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 (PROVIDED BY OTHERS) N - CAT6 STP CABLE (PROVIDED BY OTHERS)

Information subject to change without notice. HARMAN Professional Denmark A/S 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 A - 16-04-2021

GENERIC SYSTEM DIAGRAM – VDO ATOMIC BOLD WITH P3 CONTROL



P3 Controllers



- Up to 20,736 pixels
- On-screen grabber for video-capture
- Maximum 128 Art-Net universes
- Maximum 285 VDO Atomic Bold

Internal Video input, Art-Net, sACN
V/N



- Up to 100,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 128 Art-Net universes
- Maximum 1369 VDO Atomic Bold

DVI Video input, DMX, Art-Net, sACN
V/N



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

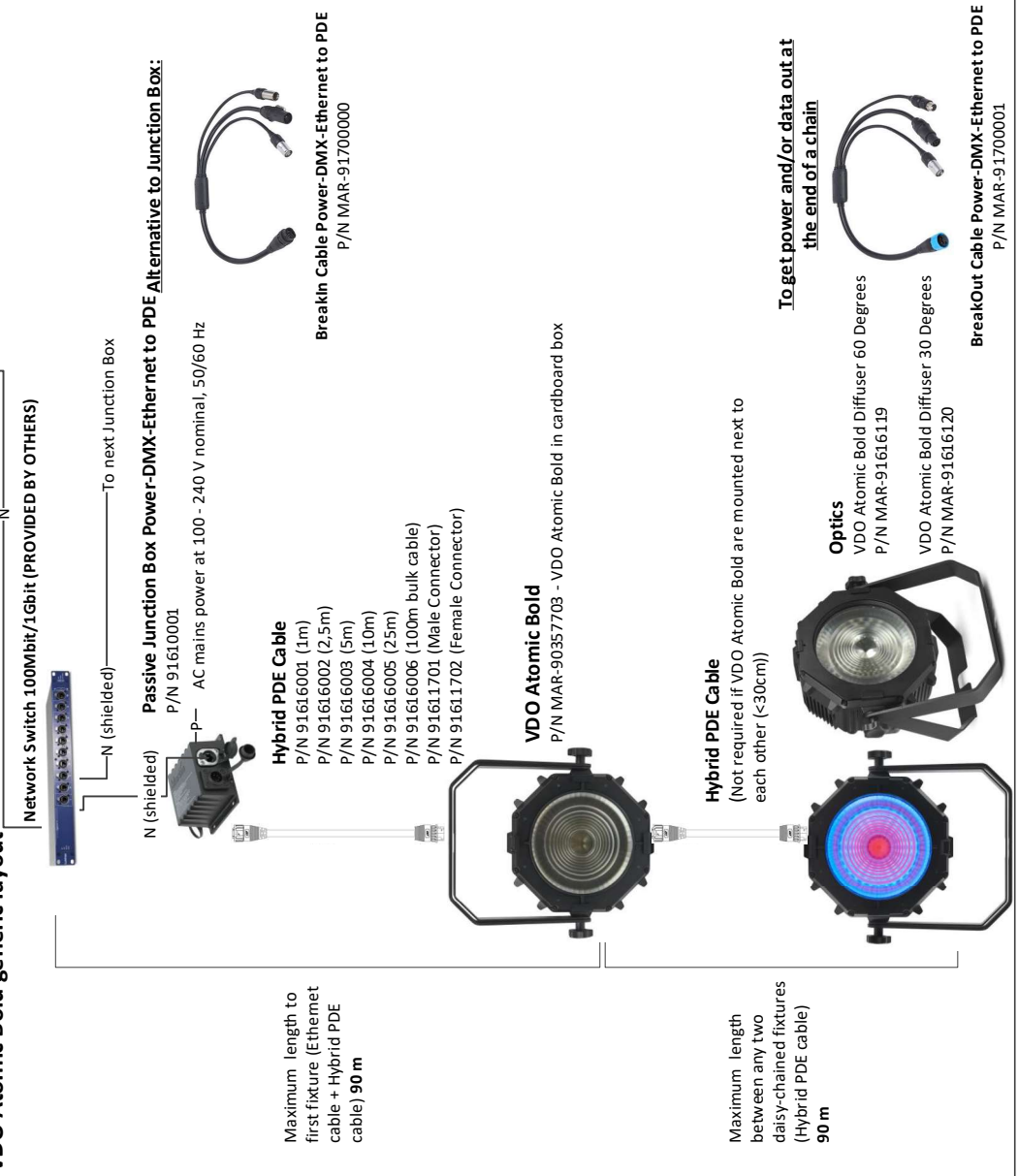
DVI or 3G-SDI Video input, DMX, Art-Net, sACN
V/N



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

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

VDO Atomic Bold generic layout



Maximum permitted VDO Atomic Bold per Passive Junction Box			
Fixture type	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 Bold	9 at 230V ac 5 at 110V ac	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 Bold Double Width Bracket:** P/N MAR-91616121
- **VDO Atomic Spigot Adapter 28mm:** P/N MAR-91616118
- **VDO Atomic Pivot Coupler:** P/N 91610007
- **VDO Atomic Half Coupler:** P/N 91610004
- **VDO Atomic Bold Interlock Doubler:** P/N MAR-91616122
- **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 - CAT6 STP CABLE (PROVIDED BY OTHERS)

Information subject to change without notice. HARMAN Professional Denmark A/S 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 A - 16-04-2021

GENERIC SYSTEM DIAGRAM – VDO ATOMIC BOLD WITH P3 CONTROL



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

P3 Controllers

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 1369 VDO Atomic Bold

DVI Video input, DMX, Art-Net, sACN

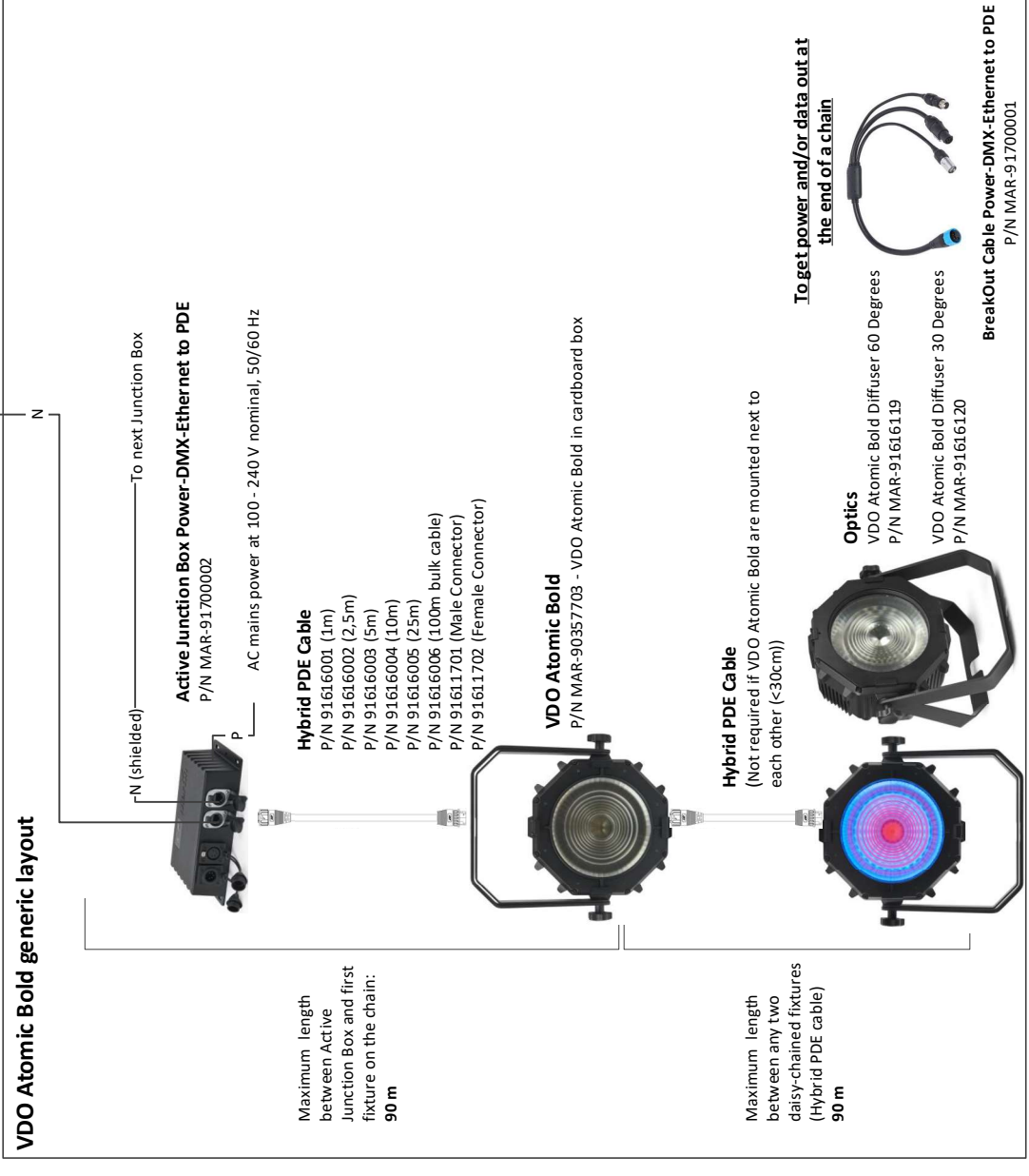
Martin P3-150 Controller™
Video signal processor
P/N 90721015

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

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 Bold



Maximum permitted VDO Atomic Bold 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 Bold	9 at 230V ac 5 at 110V ac	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 Bold Double Width Bracket: P/N MAR-91616121
- VDO Atomic Spigot Adapter 28mm: P/N MAR-91616118
- VDO Atomic Pivot Coupler: P/N 91610007
- VDO Atomic Half Coupler: P/N 91610004
- VDO Atomic Bold Interlock Doubler: P/N MAR-91616122
- 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 N - CAT6 STP CABLE (PROVIDED BY OTHERS)

Information subject to change without notice. HARMAN Professional Denmark A/S 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 A - 16-04-2021