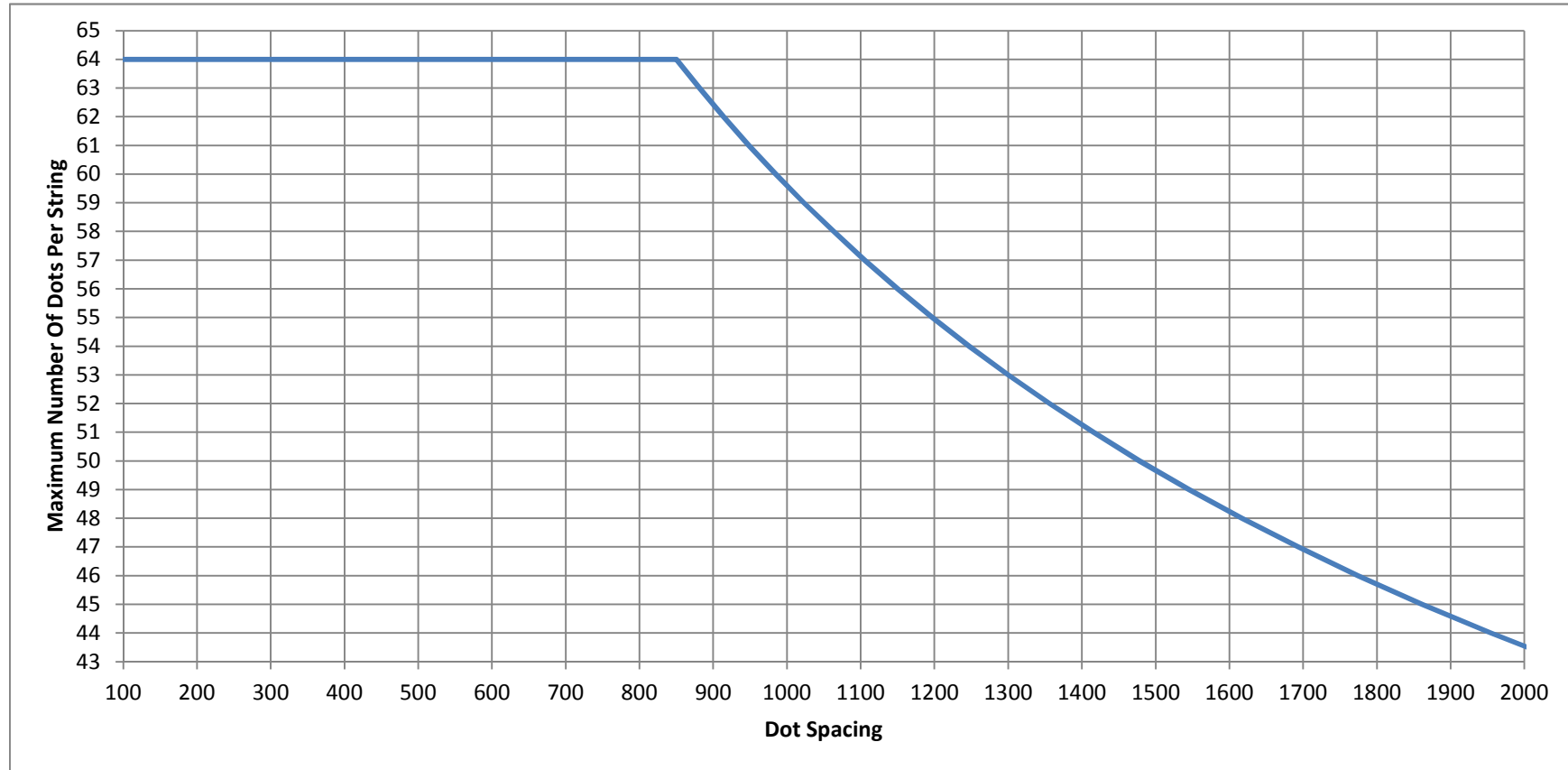


VC-Dot 4

Maximum Number Of Dots Per String versus Dot Spacing

2m Lead-In Cable

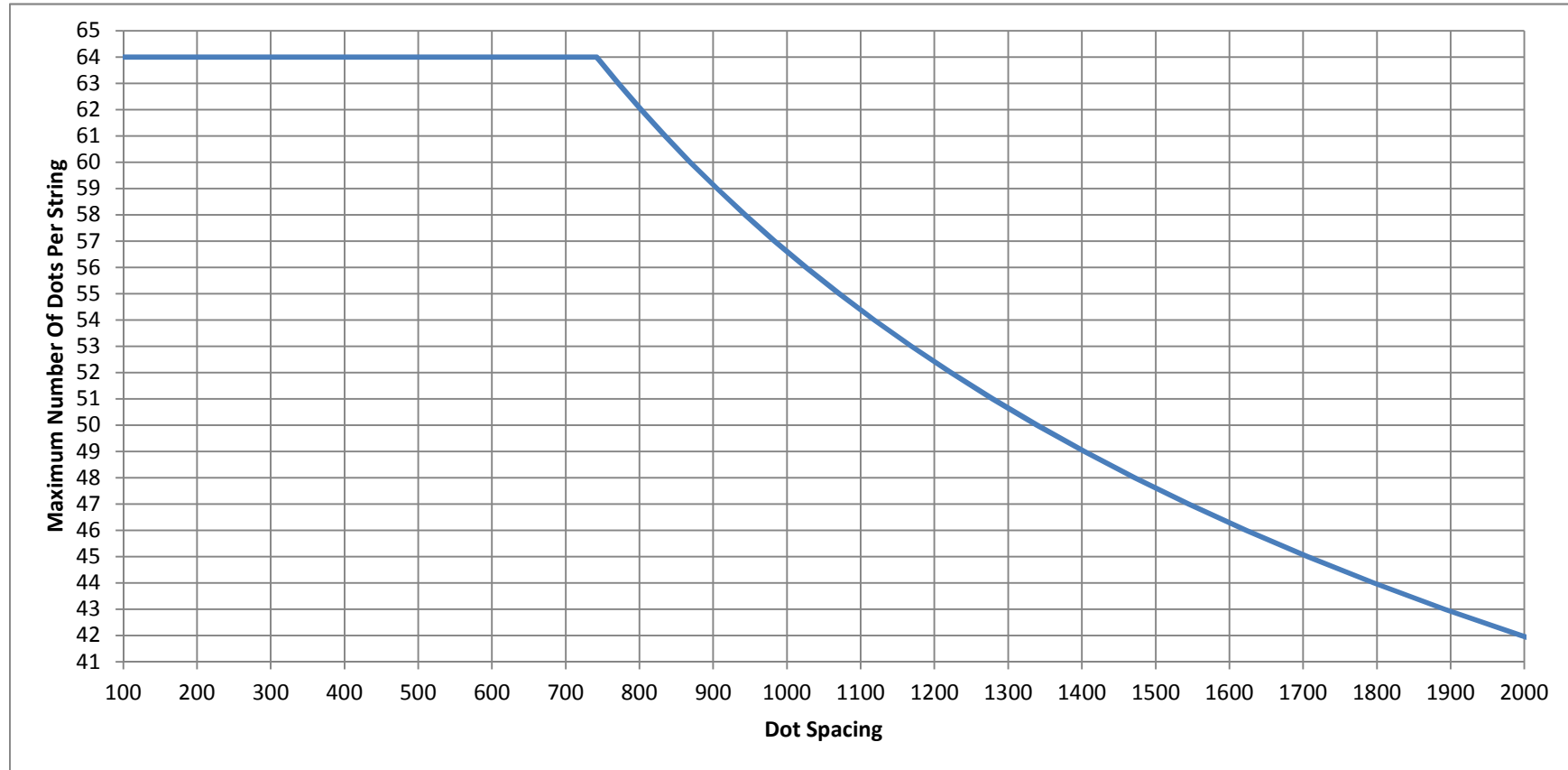


Lead-In Cable Length	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Dot Spacing	100	200	400	600	800	1000	1200	1400	1600	1800	2000
Maximum Number Of Dots Per String/Feeder	64	64	64	64	64	59	54	51	48	45	43

VC-Dot 4

Maximum Number Of Dots Per String versus Dot Spacing

5m Lead-In Cable



Lead-In Cable Length	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
Dot Spacing	100	200	400	600	800	1000	1200	1400	1600	1800	2000
Maximum Number Of Dots Per String/Feeder	64	64	64	64	62	56	52	49	46	43	41

VC-Dot 4 System Diagram

P3-Mode



P3 System Controller

P/N 90721010 P3-100™ System Controller
 P/N 90721020 P3-200™ System Controller
 P/N 90721030 P3-PC™ System Controller



Cat 5e (or better) Ethernet Cable



P3 PowerPort

P/N 90721040 Martin P3 PowerPort 1500™



Cat 5e (or better) Ethernet Cable



P3 PowerPort

Maximum 100m Ethernet Cable between any 2 devices
 (extendable via Gigabit Switch or conversion to fiber)

Up to 4 daisy-chains per P3 PowerPort

Up to 768 VC-Dot 4's per P3 PowerPort

Up to 192 VC-Dot 4's per daisy-chain

Examples:
 3 strings of 64 VC-Dot 4's or
 4 strings of 48 VC-Dot 4's or
 6 strings of 32 VC-Dot 4's or ...

4-pin XLR to IP65 Adapter

P/N 11840165 Hybrid (Power & Data) Adapter, 4-pin XLR to IP65, 0.25 m (0.8 ft.)

IP65 Cable(s)

P/N 11840167 Hybrid (Power & Data) Cable, IP65 to IP65, 1 m (3.3 ft.)
 P/N 11840168 Hybrid (Power & Data) Cable, IP65 to IP65, 2.5 m (8.2 ft.)
 P/N 11840169 Hybrid (Power & Data) Cable, IP65 to IP65, 5 m (16.4 ft.)
 P/N 11840170 Hybrid (Power & Data) Cable, IP65 to IP65, 10 m (32.8 ft.)
 P/N 11840164 Hybrid (Power & Data) Cable, IP65 to IP65, 25 m (82.0 ft.)



VC-Feeder

P/N 90357040 VC-Feeder™



VC-Dot 4 String

P/N 90357100 VC-Dot 4™ RGB, 200 mm (7.9 in.) pitch, 64 pcs., 2 m (6.6 ft.) lead-in
 P/N 90357130 VC-Dot 4™ WW, 200 mm (7.9 in.) pitch, 64 pcs., 2 m (6.6 ft.) lead-in
 P/N 90357120 VC-Dot 4™ MW, 200 mm (7.9 in.) pitch, 64 pcs., 2 m (6.6 ft.) lead-in
 P/N 90357110 VC-Dot 4™ CW, 200 mm (7.9 in.) pitch, 64 pcs., 2 m (6.6 ft.) lead-in

Total length of all Hybrid (Power & Date) Cables should be less than 50m
 (not including the VC-Dot Strings itself)

IP65 Cable(s)

Not needed if VC-Feeders are mounted next to each other (<20cm)



VC-Feeder



VC-Dot 4 String

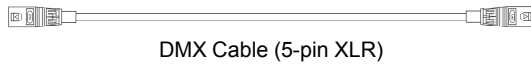
Up to 64 VC-Dot 4's per string

VC-Dot 4 System Diagram

DMX-Mode with Tripix Power IP66



DMX Source



DMX Cable (5-pin XLR)



Tripix Power IP66

P/N 90760330 Tripix™ Power IP66



5-pin XLR + Tripix Power to IP65 Adapter

P/N 11840195 Hybrid (Power & Data) Adapter, 5-pin XLR + Tripix power to IP65, 0.25 m (0.8 ft.)

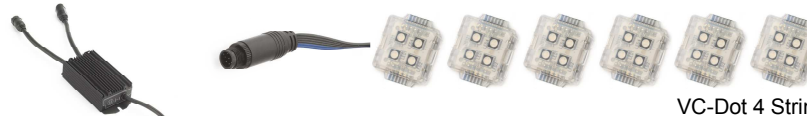
Up to 128 VC-Dot 4's per daisy-chain

Examples:

- 2 strings of 64 VC-Dot 4's or
- 4 strings of 32 VC-Dot 4's or
- 8 strings of 16 VC-Dot 4's or ...

IP65 Cable(s)

- P/N 11840167 Hybrid (Power & Data) Cable, IP65 to IP65, 1 m (3.3 ft.)
- P/N 11840168 Hybrid (Power & Data) Cable, IP65 to IP65, 2.5 m (8.2 ft.)
- P/N 11840169 Hybrid (Power & Data) Cable, IP65 to IP65, 5 m (16.4 ft.)
- P/N 11840170 Hybrid (Power & Data) Cable, IP65 to IP65, 10 m (32.8 ft.)
- P/N 11840164 Hybrid (Power & Data) Cable, IP65 to IP65, 25 m (82.0 ft.)



VC-Feeder

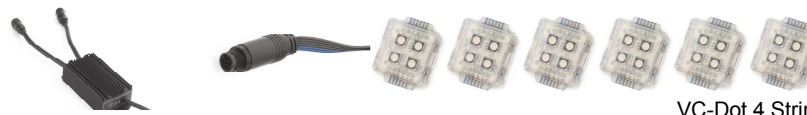
P/N 90357040 VC-Feeder™

VC-Dot 4 String

- P/N 90357100 VC-Dot 4™ RGB, 200 mm (7.9 in.) pitch, 64 pcs., 2 m (6.6 ft.) lead-in
- P/N 90357130 VC-Dot 4™ WW, 200 mm (7.9 in.) pitch, 64 pcs., 2 m (6.6 ft.) lead-in
- P/N 90357120 VC-Dot 4™ MW, 200 mm (7.9 in.) pitch, 64 pcs., 2 m (6.6 ft.) lead-in
- P/N 90357110 VC-Dot 4™ CW, 200 mm (7.9 in.) pitch, 64 pcs., 2 m (6.6 ft.) lead-in

IP65 Cable(s)

← Not needed if VC-Feeders are mounted next to each other (<20cm)



VC-Feeder

VC-Dot 4 String

← Up to 64 VC-Dot 4's per string

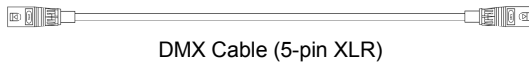
Total length of all Hybrid (Power & Date) Cables should be less than 50m
(not including the VC-Dot Strings itself)

VC-Dot 4 System Diagram

DMX-Mode with Generic 48Vdc Power Supply



DMX Source



DMX Cable (5-pin XLR)



48Vdc Power Supply

Taking into account voltage-drops over 50m cable, a string of 64 VC-Dot 4's will consume 120W

Example: A daisy-chain of 6 VC-Dot 4 Strings with 32 Dots each needs a 48V/360W Power Supply

5-pin XLR + Power to IP65 Adapter

P/N 11840174 Hybrid (Power & Data) Adapter, 5-pin XLR + power to IP65, 0.25 m (0.8 ft.)

Up to 192 VC-Dot 4's per daisy-chain

Examples:

- 3 strings of 64 VC-Dot 4's or
- 4 strings of 48 VC-Dot 4's or
- 6 strings of 32 VC-Dot 4's or ...

IP65 Cable(s)

- P/N 11840167 Hybrid (Power & Data) Cable, IP65 to IP65, 1 m (3.3 ft.)
- P/N 11840168 Hybrid (Power & Data) Cable, IP65 to IP65, 2.5 m (8.2 ft.)
- P/N 11840169 Hybrid (Power & Data) Cable, IP65 to IP65, 5 m (16.4 ft.)
- P/N 11840170 Hybrid (Power & Data) Cable, IP65 to IP65, 10 m (32.8 ft.)
- P/N 11840164 Hybrid (Power & Data) Cable, IP65 to IP65, 25 m (82.0 ft.)

If individual pixel control is required, maximum 170 VC-Dot 4's can be put in a daisy-chain (510 DMX Channels)

Total length of all Hybrid (Power & Date) Cables should be less than 50m (not including the VC-Dot Strings itself)



VC-Feeder

P/N 90357040 VC-Feeder™



VC-Dot 4 String

- P/N 90357100 VC-Dot 4™ RGB, 200 mm (7.9 in.) pitch, 64 pcs., 2 m (6.6 ft.) lead-in
- P/N 90357130 VC-Dot 4™ WW, 200 mm (7.9 in.) pitch, 64 pcs., 2 m (6.6 ft.) lead-in
- P/N 90357120 VC-Dot 4™ MW, 200 mm (7.9 in.) pitch, 64 pcs., 2 m (6.6 ft.) lead-in
- P/N 90357110 VC-Dot 4™ CW, 200 mm (7.9 in.) pitch, 64 pcs., 2 m (6.6 ft.) lead-in

IP65 Cable(s)

← Not needed if VC-Feeders are mounted next to each other (<20cm)



VC-Feeder



VC-Dot 4 String

← Up to 64 VC-Dot 4's per string