



General

|                       |         |
|-----------------------|---------|
| Length (mm)           | 5000    |
| Width (mm)            | 10      |
| Height (mm)           | 2       |
| Housing Color         | White   |
| Housing Material      | Copper  |
| Mounting              | 3M tape |
| Weight (g)            | 90      |
| Cutting Interval (mm) | 100     |
| Cable Length (cm)     | 15 cm   |

Electronics

|                         |         |
|-------------------------|---------|
| Input Voltage           | 24 V DC |
| Power Consumption (W/m) | 14.4    |
| Power Supply            | N/A     |
| Energy Class            | A       |
| Luminous Efficacy       | 85 lm/W |

Lighting

|                              |                                                                |
|------------------------------|----------------------------------------------------------------|
| Emission                     | Direct                                                         |
| Optics (°)                   | 120                                                            |
| LED Type                     | SMD2835                                                        |
| LED Quantity /m              | 70                                                             |
| LED Spacing (mm)             | 14.3                                                           |
| Color Range                  | White                                                          |
| Color Temperature (Kelvin)   | 2400 K                                                         |
| Colour Rendering Index (CRI) | ≥ 90                                                           |
| SDCM                         | 3                                                              |
| Luminous Flux                | 1200 lm/m                                                      |
| TM-21 Projection             | L70 @ 85 °C (LM80-08),<br>Reported 36000,<br>Calculated 50000, |

Control

|                    |              |
|--------------------|--------------|
| Control            | PWM          |
| Control Units      | Single pixel |
| Number of Channels | 1            |

Environmental

|                       |                     |
|-----------------------|---------------------|
| Storage Temperature   | -40 ~ +80 °C        |
| Operating Temperature | -25 ~ +60 °C        |
| Ingress Protection    | IP20                |
| Safety Standards      | IEC 62471, EN 62031 |

CE

RoHS

COMPLIANT

C

UL

US

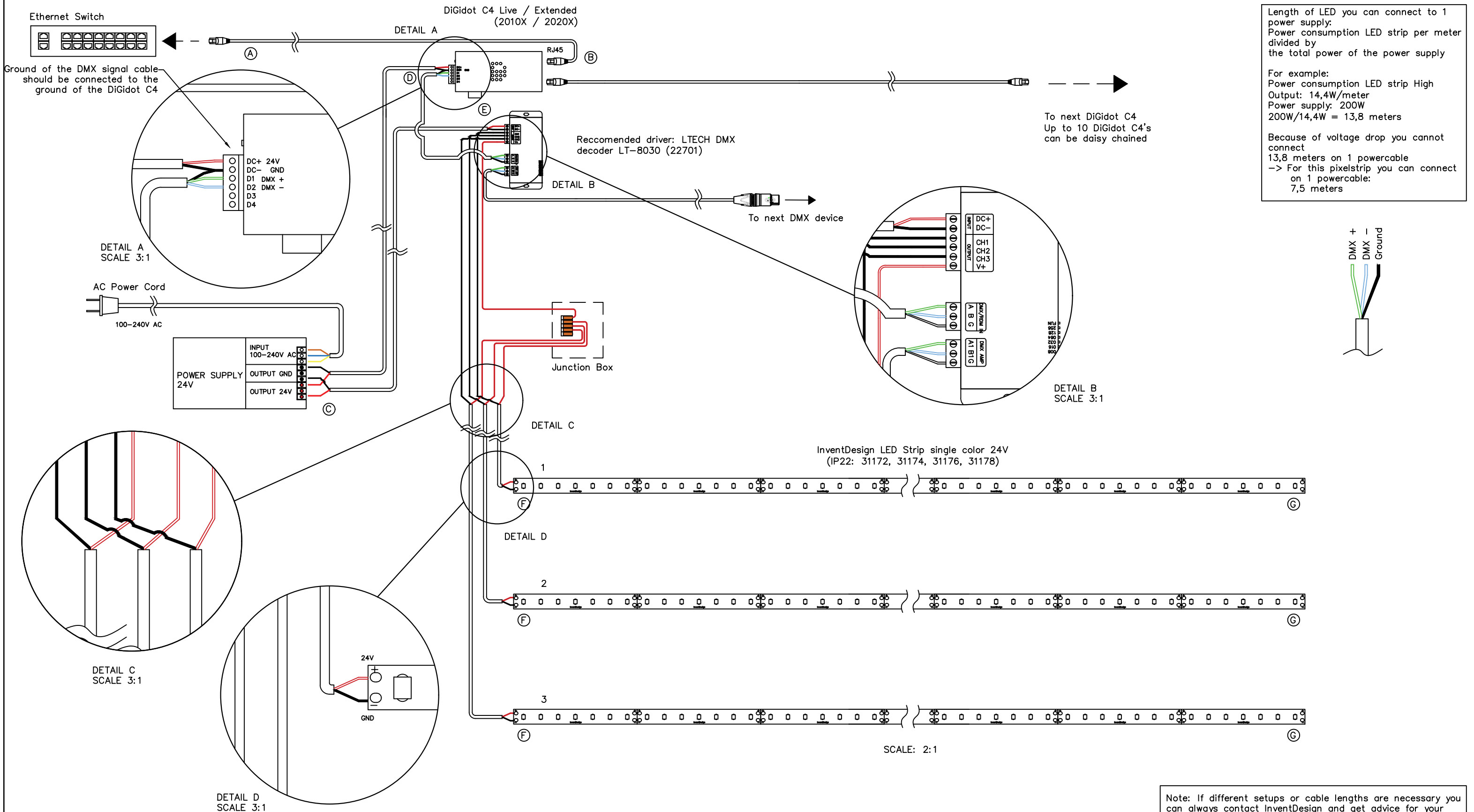
LISTED

IP20

5 year warranty

Disclaimer

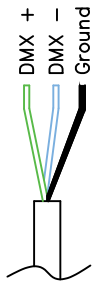
Due to the technical evolution and improvement of our products, the data provided in this document may be updated on a regular basis, and as such, confirmation of this information is strongly recommended prior to the order process. OneEightyOne is not responsible for any discrepancies in this document following changes in our products. We reserve the right to make technical changes to our products and to change information, at its sole discretion, without notice.



Length of LED you can connect to 1 power supply:  
Power consumption LED strip per meter divided by the total power of the power supply

For example:  
Power consumption LED strip High Output: 14,4W/meter  
Power supply: 200W  
 $200W/14,4W = 13,8$  meters

Because of voltage drop you cannot connect 13,8 meters on 1 powercable  
-> For this pixelstrip you can connect on 1 powercable: 7,5 meters



| Cable Coding |          |
|--------------|----------|
| Color        | Function |
| Brown        | L        |
| Blue         | N        |
| Yellow       | PE       |
| Red          | V+       |
| Black        | GND      |
| Green        | DMX +    |
| Light blue   | DMX -    |

| Recommended cable lengths  |            |                                 |
|----------------------------|------------|---------------------------------|
| Maximum length from A to B | 100 meters | Cat 6 STP                       |
| Maximum length from C to D | 5 meters   | 24V Power Cable 2x1MM2 (70103R) |
| Maximum length from D to E | 100 meters | DMX Cable 110 OHM (70117)       |
| Maximum length from E to F | 5 meters   | 24V Power Cable 2x1MM2 (70103R) |
| Maximum length from F to G | 5 meters   | LED Strip                       |

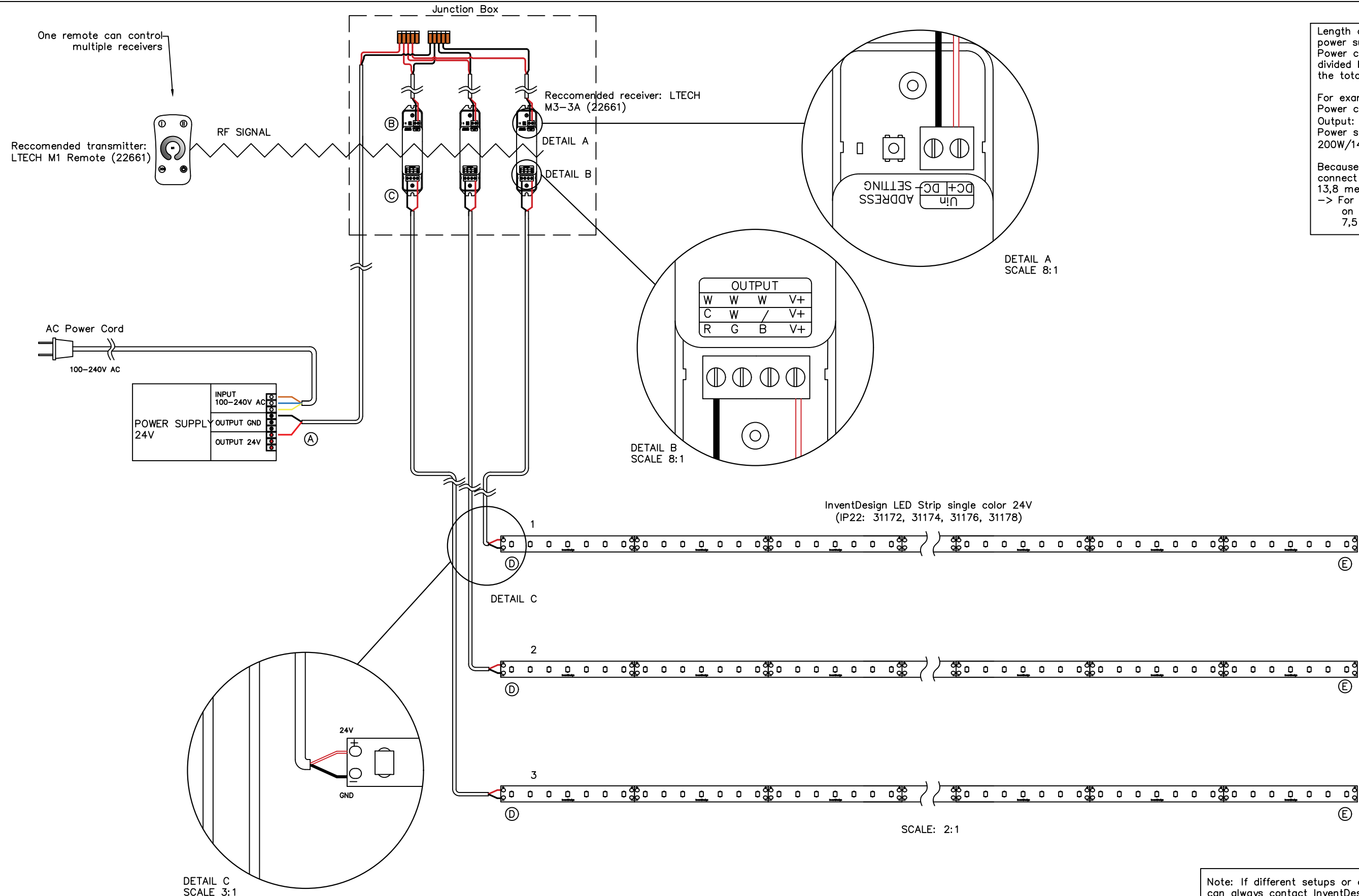
| Maximum of 3 channel DMX controllers on 1 DiGidot C4 |        |             |
|------------------------------------------------------|--------|-------------|
| C4                                                   | Pixels | Article Nr. |
| Extended 1                                           | 170    | 20201       |
| Extended 2                                           | 340    | 20202       |
| Extended 4                                           | 680    | 20203       |
| Extended 8                                           | 1360   | 20204       |
| Live 4                                               | 680    | 20101       |
| Live 8                                               | 1360   | 20102       |
| Live 12                                              | 2040   | 20103       |

Note: If different setups or cable lengths are necessary you can always contact InventDesign and get advice for your particular setup

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Products can only be installed by professional installers

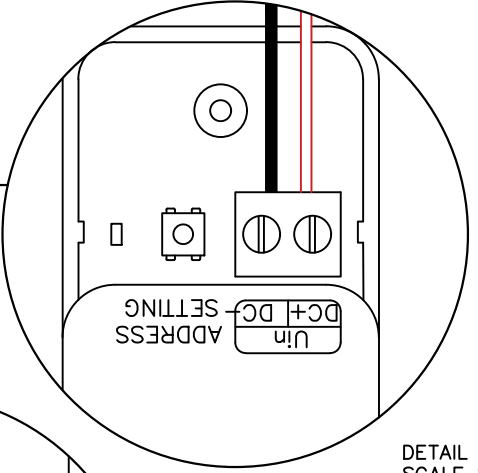
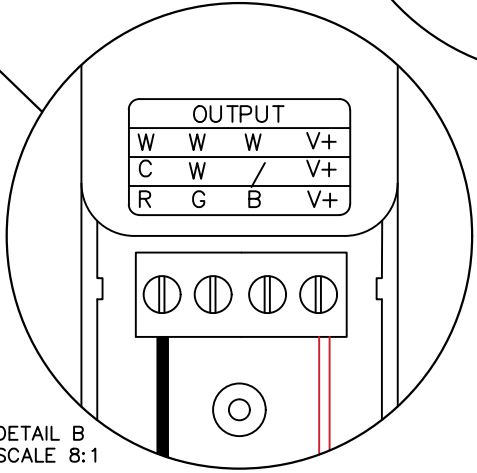
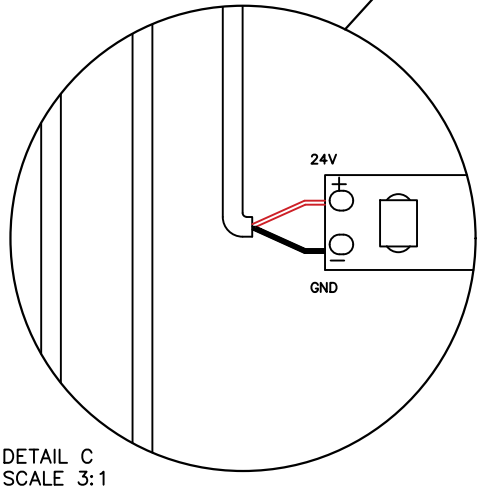
|                                                           |                |                                  |           |                                                                                       |  |
|-----------------------------------------------------------|----------------|----------------------------------|-----------|---------------------------------------------------------------------------------------|--|
| A3                                                        |                | NAME                             | DATE      |  |  |
|                                                           | DRAWN          |                                  | 29-5-2018 |                                                                                       |  |
|                                                           | CHK'D          |                                  |           |                                                                                       |  |
|                                                           | REV            | 1.0                              | 29-5-2018 |                                                                                       |  |
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS | ADVANCED SETUP |                                  |           | TITLE: WIRING DIAGRAM                                                                 |  |
|                                                           |                |                                  |           | PRODUCT: LED Strip High Output                                                        |  |
|                                                           |                | SCALE: NOT TO SCALE SHEET 1 OF 2 |           |                                                                                       |  |



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| Green        |          |
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| Recommended cable lengths  |          |                                 |
|----------------------------|----------|---------------------------------|
| Maximum length from A to B | 5 meters | 24V Power Cable 2x1MM2 (70103R) |
| Maximum length from C to D | 5 meters | 24V Power Cable 2x1MM2 (70103R) |
| Maximum length from D to E | 5 meters | LED Strip                       |

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|                                                           |                                  |      |           |                                                                                       |
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| A3                                                        |                                  | NAME | DATE      |  |
|                                                           | DRAWN                            |      | 29-5-2018 |                                                                                       |
|                                                           | CHK'D                            |      |           |                                                                                       |
|                                                           | REV                              | 1.0  | 29-5-2018 |                                                                                       |
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS | BASIC SETUP                      |      |           | TITLE: WIRING DIAGRAM                                                                 |
|                                                           |                                  |      |           | PRODUCT: LED Strip High Output                                                        |
|                                                           | SCALE: NOT TO SCALE SHEET 1 OF 2 |      |           |                                                                                       |