



General

|                  |                          |
|------------------|--------------------------|
| Dimensions (mm)  | 1000 x 22 x 21           |
| Cover            | None                     |
| Housing Color    | Grey                     |
| Housing Material | Aluminum                 |
| Mounting         | Clip with screw mounting |
| Weight (g)       | 1050                     |
| Connector        | M12 - 3 pin              |

Electronics

|                         |         |
|-------------------------|---------|
| Input Voltage           | 24 V DC |
| Power Consumption (W/m) | 18      |
| Power Supply            | N/A     |

Lighting

|                  |              |
|------------------|--------------|
| Emission         | Direct       |
| Optics (°)       | 120          |
| LED Type         | Cree SMD3535 |
| LED Quantity /m  | 72           |
| LED Spacing (mm) | 13.5         |
| LEDs per Pixel   | 6            |
| Pixel Pitch      | 80.5 mm      |
| Color Range      | RGB          |
| Luminous Flux    | 652 lm/m     |

Control

|                    |             |
|--------------------|-------------|
| Control            | SPI         |
| Dimming Range      | 8 bit       |
| Control Units      | Multi pixel |
| Number of Channels | 36          |

Environmental

|                       |              |
|-----------------------|--------------|
| Storage Temperature   | -30 ~ +50 °C |
| Operating Temperature | -25 ~ +55 °C |
| Ingress Protection    | IP66         |

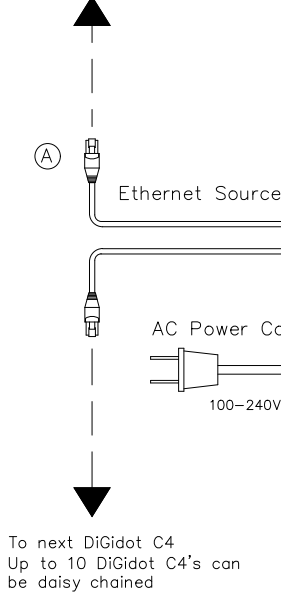
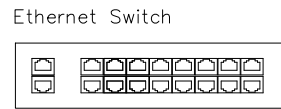


IP66 2<sup>year</sup> warranty

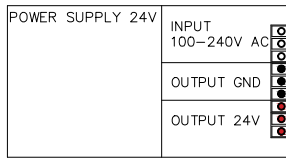
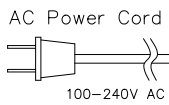
Disclaimer

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.

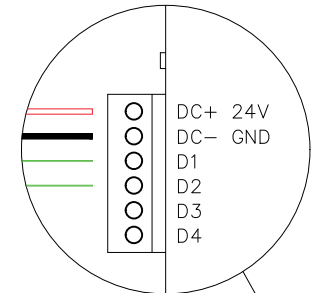




To next DiGidot C4  
Up to 10 DiGidot C4's can  
be daisy chained



DETAIL A  
SCALE 4:1



DETAIL A

DiGidot C4 Live / Extended  
(2010X / 2020X)

2x SPI Signal over  
0,75mm2

DETAIL B

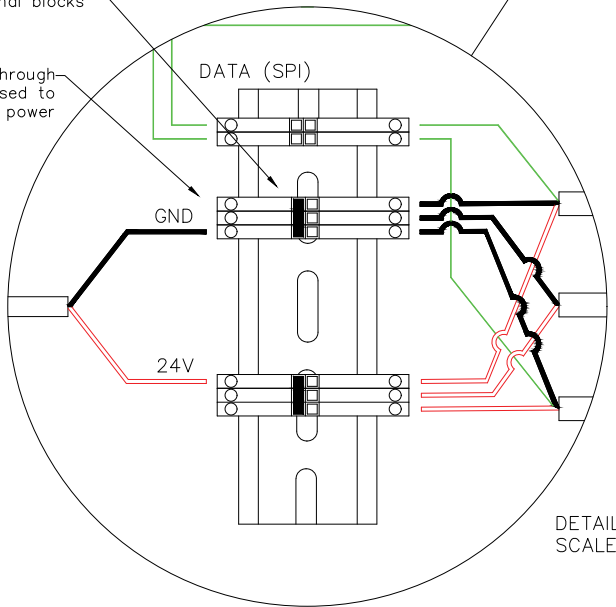


DETAIL B  
SCALE 3:1

Connection example  
Junction box

WAGO®Push in type jumper bars  
are used to connect the terminal blocks

WAGO®2-conductor through-  
terminal blocks can be used to  
split the power



Starter cable

Power injector cable

Starter cable

DETAIL B  
SCALE 3:1

Cable Coding

| Color  | Function   |
|--------|------------|
| Brown  | L          |
| Blue   | N          |
| Yellow | PE         |
| Red    | V+         |
| White  | V-         |
| Green  | DATA (SPI) |

Recommended cable lengths

|                             |            |                                 |
|-----------------------------|------------|---------------------------------|
| Maximum length from A to B  | 100 meters | Cat 6 STP                       |
| Maximum length from C to D  | 0.5 meters | 24V Power Cable 2x1mm2 (70103R) |
| Maximum length from D to E* | 5 meters   | 3x0,75mm2                       |
| Maximum length from C to F  | 5 meters   | 24V Power Cable 2x1mm2 (70103R) |

\* Length can be extended by the use of the DiGidot TX-RX kit (see [www.digidot.eu](http://www.digidot.eu) for more information)

The first connector coming  
from the DiGidot C4 should  
always be a female connector

DETAIL C



1000mm

DiGi T-Series Pixelstrip RGB  
72 LEDs/m 1 meter  
(35552)

14mm

DETAIL D



2

3

4

5

6

7

8

14

Connection example  
2x WAGO®2-Conductor Connector

Junction box

DETAIL E



INPUT

OUTPUT

To next set Liners

Up to 14 pieces can be daisy-chained on 1 output of the  
DiGidot C4 Live 4

After 7 pieces a new power line is necessary  
A new powerline can be made by using an Y-split as shown  
here

Each liner has 12 Pixels (12x3=36 channels for 1 Liner)  
510/36 = 14 Liners in 1 DMX universe

Note: These specifications are based on the use of the 1  
meter version of the T-Series if longer versions are used  
specifications have to be changed accordingly

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

For example:  
Power consumption T-Series liner: 18W/meter  
Power supply: 320W  
320W/18W = 17 liners

Because of voltage drop you cannot connect  
17 Liners on 1 powercable  
→ For this Liner you can connect  
on 1 powercable:  
7 fixtures

| Suggested Accessories             | Art.nr |
|-----------------------------------|--------|
| Y-split connector with 1mtr cable | 70502  |
| Input connector with 1mtr cable   | 70501  |
| PSU RSP-320-24                    | 84418  |
| DiGidot C4 Live 4                 | 20101  |

Please contact you're local InventDesign representative for project  
consultation

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

Disclaimer: No rights can be derived from the information provided  
on this sheet  
Products can only be installed by professional installers

Maximum 1 meter T-liners on 1  
DiGidot C4

| C4         | Fixtures | Article Nr. |
|------------|----------|-------------|
| Extended 1 | 14       | 20201       |
| Extended 2 | 28       | 20202       |
| Extended 4 | 56       | 20203       |
| Extended 8 | 112      | 20204       |
| Live 4     | 56       | 20101       |
| Live 8     | 112      | 20102       |
| Live 12    | 168      | 20103       |

|                                                           |                                     |      |           |                                                                                       |
|-----------------------------------------------------------|-------------------------------------|------|-----------|---------------------------------------------------------------------------------------|
| A3                                                        |                                     | NAME | DATE      |  |
|                                                           | DRAWN                               |      | 28-5-2018 |                                                                                       |
|                                                           | CHK'D                               |      |           |                                                                                       |
|                                                           | REV                                 | 1.0  |           |                                                                                       |
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS | BASIC SETUP T-SERIES<br>72LED'S P/M |      |           | TITLE: WIRING DIAGRAM                                                                 |
|                                                           |                                     |      |           | PRODUCT: 35552                                                                        |
|                                                           |                                     |      |           | SCALE: NOT TO SCALE SHEET 1 OF 1                                                      |