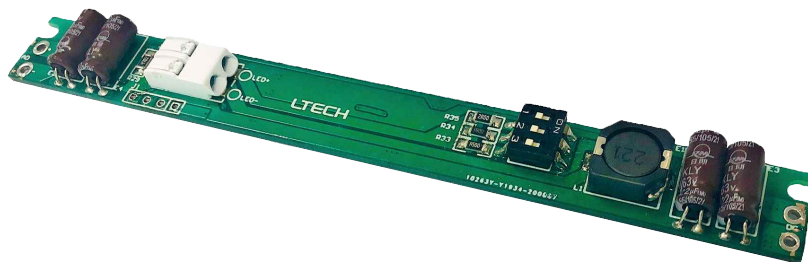


## 0-10V Constant Current Driver

Special for magnetic & linear lamp

- No input polarity
- Multiple output current settings
- DC to DC constant current output
- Automatically identify 0-10V, 0-10V input
- Suitable for STUCCHI standard housings
- Magnetic installation is quiet without high-frequency sound.
- Smooth dimming curves without flicker
- Short circuit, overload, no-load and anti-reverse protection
- Input and output support hot plug
- 3 year warranty



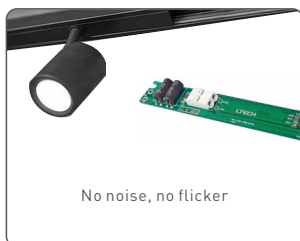
**Flicker-free**  
IEEE 1789

3-Year  
Warranty

CE

FC

RoHS



No noise, no flicker



Suitable for STUCCHI standard housings  
- 9519-166-K  
- B 9519-166-K/W



Installation guide

## Technical Specs

| MODEL       |                          | MT-100-400-D1A1                                                                        | MT-350-700-D1A1 |
|-------------|--------------------------|----------------------------------------------------------------------------------------|-----------------|
| OUTPUT      | Output Voltage           | 10~42Vdc                                                                               |                 |
|             | Output Current           | 100-400mA                                                                              | 350-700mA       |
|             | Output Power             | 1W-16.8W                                                                               | 3.5W-29.4W      |
|             | Current Accuracy         | +15mA/-25mA                                                                            | ±5%             |
|             | Dimming Range            | 0~100% , down to 1%                                                                    |                 |
|             | Channel                  | 1                                                                                      |                 |
| INPUT       | Dimming Interface        | 0-10V/1-10V                                                                            |                 |
|             | Input Voltage            | 48Vdc±5% (No polarity)                                                                 |                 |
|             | Input Current            | 0.38A                                                                                  | 0.65A           |
|             | Efficiency (Typ)         | 92%                                                                                    | 95%             |
|             | Standby Power            | <0.5W                                                                                  |                 |
| ENVIRONMENT | Working Temperature      | ta: -30~60°C                                                                           |                 |
|             | Storage Temperature      | -40~80°C                                                                               |                 |
|             | Working Humidity         | 20~95%RH, non-condensing                                                               |                 |
| PROTECTION  | Overload Protection      | The load voltage is out of range,the current drops until the power is turned on again. |                 |
|             | Short Circuit Protection | Close output and automatically recover once the fault is removed.                      |                 |
|             | Anti -reverse Protection | Prevent driver and load damage.                                                        |                 |
| OTHERS      | Dimensions               | L125×W14.8×H10mm                                                                       |                 |
|             | Weight ( G.W. )          | 15g±2g                                                                                 |                 |

## Output Current Selection

\* Please select the current through the DIP switch on the circuit board when the power is off.

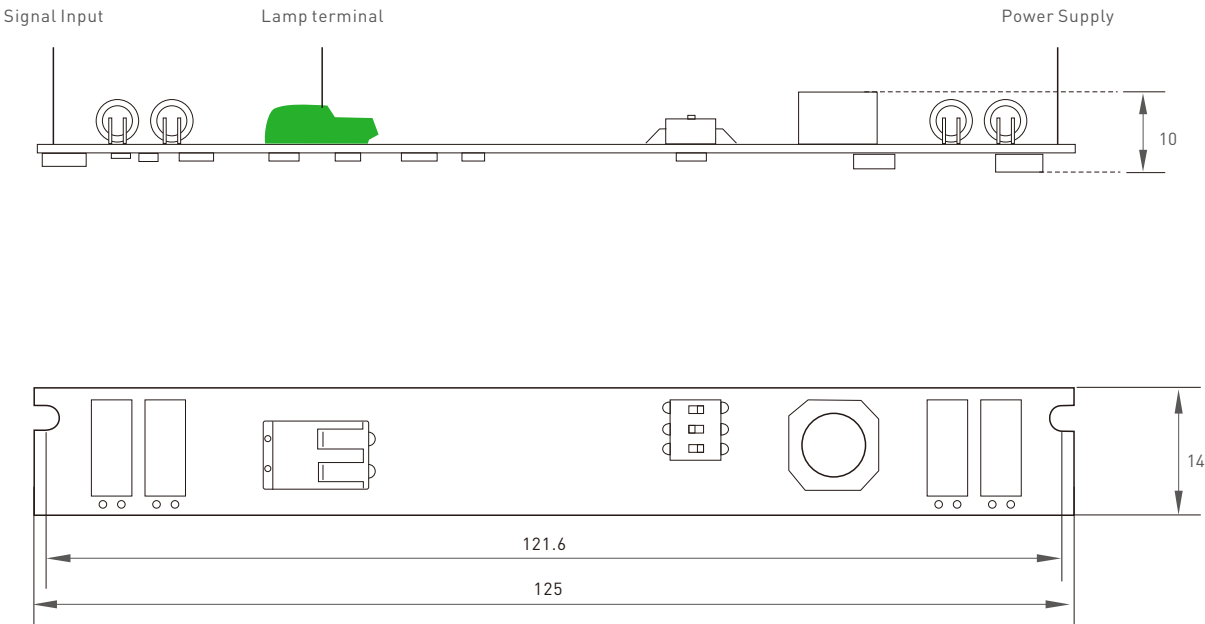


| DIP Switch      |                | ↑ ↓ ↓  | ↓ ↑ ↓    | ↑ ↑ ↓  | ↓ ↓ ↑     | ↑ ↓ ↑   | ↓ ↑ ↑     | ↑ ↑ ↑   | ↑ ↓<br>ON OFF |
|-----------------|----------------|--------|----------|--------|-----------|---------|-----------|---------|---------------|
| MT-100-400-D1A1 | Output Current | 100mA  | 150mA    | 200mA  | 250mA     | 300mA   | 350mA     | 400mA   |               |
|                 | Output Voltage | 10-42V | 10-42V   | 10-42V | 10-42V    | 10-42V  | 10-42V    | 10-42V  |               |
|                 | Output Power   | 1-4.2W | 1.5-6.3W | 2-8.4W | 2.5-10.5W | 3-12.6W | 3.5-14.7W | 4-16.8W |               |

| DIP Switch      |                | ↓ ↓ ↓     | ↑ ↓ ↓   | ↓ ↑ ↓     | ↑ ↑ ↓  | ↓ ↓ ↑     | ↑ ↓ ↑   | ↓ ↑ ↑     | ↑ ↑ ↑   | ↑ ↓<br>ON OFF |
|-----------------|----------------|-----------|---------|-----------|--------|-----------|---------|-----------|---------|---------------|
| MT-350-700-D1A1 | Output Current | 350mA     | 400mA   | 450mA     | 500mA  | 550mA     | 600mA   | 650mA     | 700mA   |               |
|                 | Output Voltage | 10-42V    | 10-42V  | 10-42V    | 10-42V | 10-42V    | 10-42V  | 10-42V    | 10-42V  |               |
|                 | Output Power   | 3.5-14.7W | 4-16.8W | 4.5-18.9W | 5-21W  | 5.5-23.1W | 6-25.2W | 6.5-27.3W | 7-29.4W |               |

Dimensions

Unit:mm

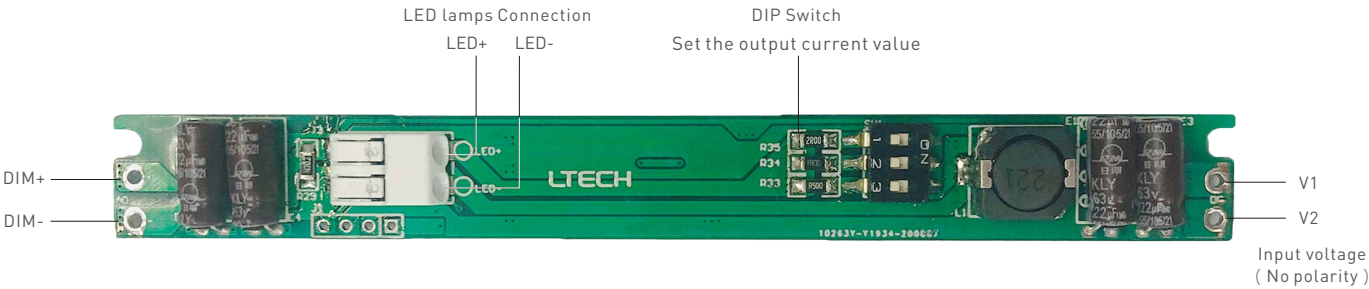


Terminal description

PCB board



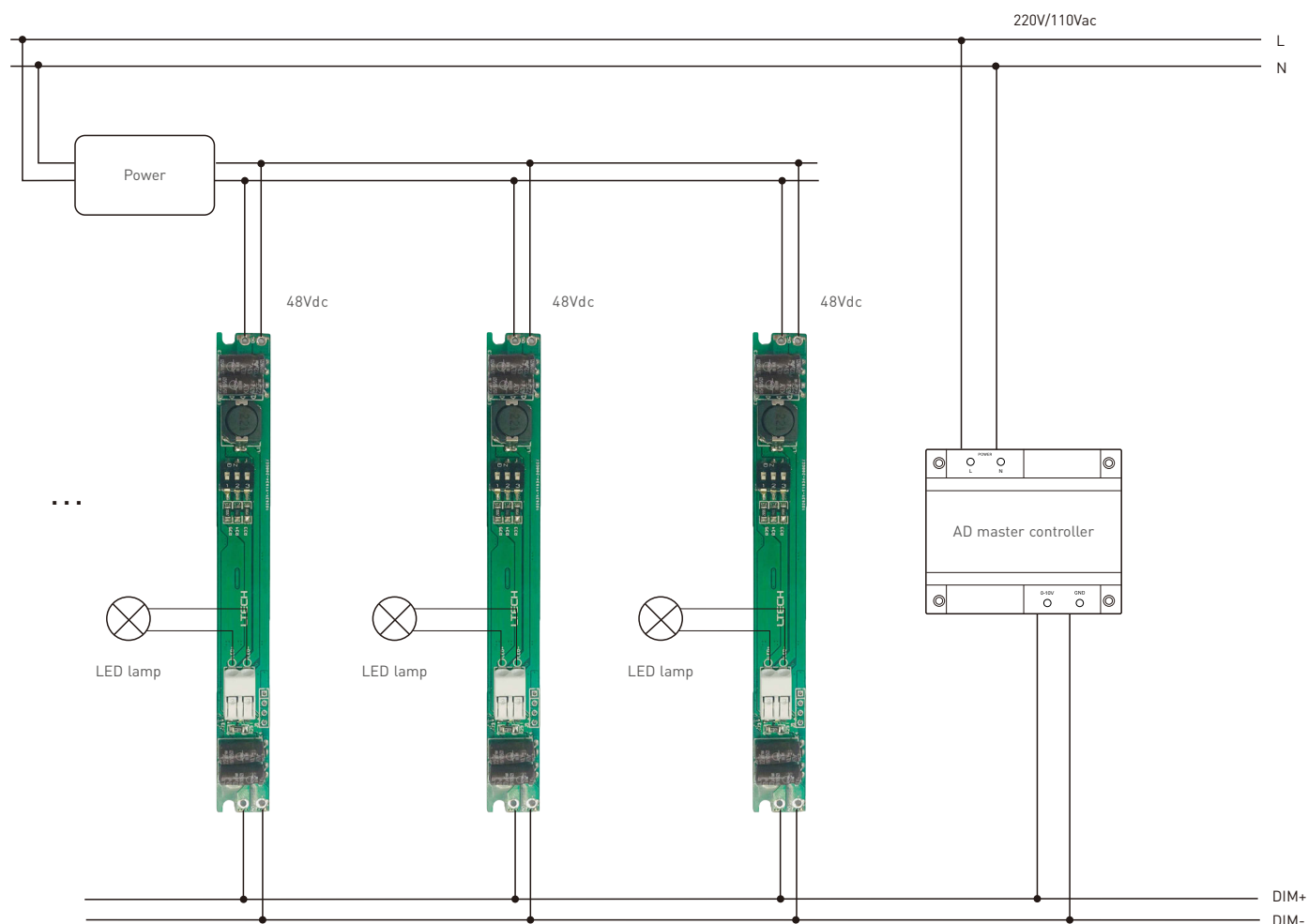
Main view



Side view



## Wiring Diagram



Available from:



Sales & Technical Support:

**Bright Green Connect Limited**

Unit 3, Oyster Park

Byfleet

Surrey

KT14 7AX

📞 +44 (0) 1932 497992

✉ [contact@brightgreenconnect.com](mailto:contact@brightgreenconnect.com)

🖱 [brightgreenconnect.com](http://brightgreenconnect.com)