

LTECH
MT-100-800-D1N1
Non-dimmable
Constant Current
Driver



LTECH MT-100-800-D1N1 on-dimmable Constant Current Driver Owner's Manual

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LTECH MT-100-800-D1N1 on-dimmable Constant Current Driver



Product Usage Instructions

Installation Guide

1. Ensure the power source is turned off before installation.
2. Connect the driver to the appropriate power source following the input voltage requirements.
3. Make sure the output connections match the required voltage and current for your lamp.
4. Install the driver in a suitable location based on the environmental conditions specified.

Dimming Instructions

To achieve smooth dimming without flicker:

1. Use compatible dimmer switches recommended for use with this driver.
2. Adjust the dimmer to the desired brightness level gradually to avoid sudden changes.

Maintenance

1. Regularly inspect the driver for any signs of damage or overheating.
2. Keep the driver clean and free from dust to ensure proper ventilation.

Frequently Asked Questions

Q: Does the driver come with a warranty?

A: Yes, the driver comes with a 5-year warranty for added peace of mind.

Q: Can the driver be used with non-standard housings?

A: It is recommended to use the driver with STUCCHI standard housings for optimal performance.

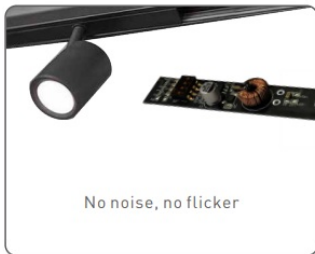
Q: Is the driver compatible with all types of lamps?

A: The driver is specially designed for magnetic and linear lamps, ensuring compatibility with these types.

Features

on-dimmable Constant Current Driver Special for magnetic & linear lamp

- No input polarity
- Multiple output current settings
- DC to DC constant current output
- Suitable for STUCCHI standard housings
- Magnetic installation is quiet without high-frequency sound
- Smooth dimming curves without flicker
- Overload, no-load, and anti-reverse protection
- 5-year warranty



Technical Specs

MODEL		MT-100-800-D1N1
OUT PUT	Output Voltage	9-46Vdc
	Output Voltage Range	12-48Vdc
	Output Current Range	100-800mA
	Output Power	0.9W-36.8W
	Channel	1
IN PUT	Input Voltage	48Vdc±5% (No polarity)
	Input Current	0.74A
	Efficiency (Typ)	94%
	Standby Power	<0.5W
ENV IRON MEN T	Working Temperature	ta: -30~60°C tc: 87°C
	Storage Temperature	-40~80°C
	Working Humidity	20~95%RH, non-condensing
PRO TECT ION	Overload Protection	When it exceeds the output voltage, the current will drop and automatically recover after reducing the load.
	Anti-reverse Protection	Prevent driver and load damage.
OTH ERS	Dimensions	L125×W14×H10mm
	Weight G.W.	15g±2g

Output Current Selection

- Please select the current through DIP switches on the circuit board when the power is off.



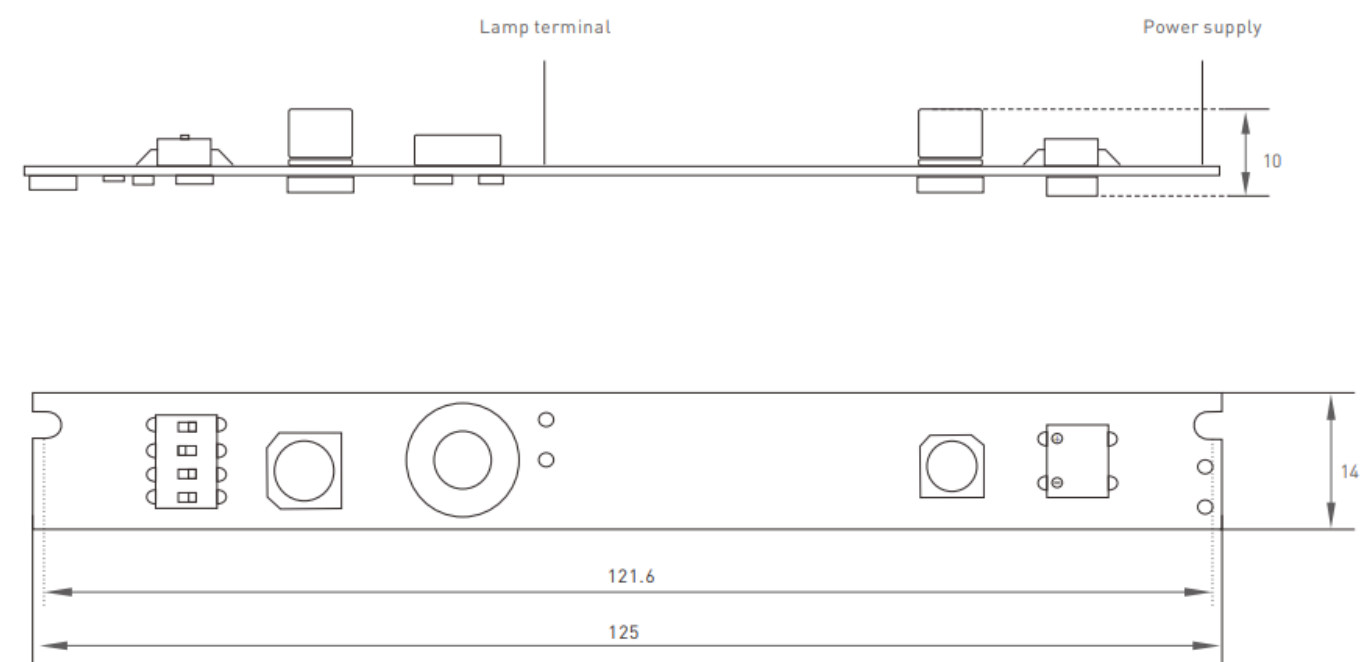
- DIP switches quickly select current values from 100mA to 800mA.

DIP Switch								—	 ON OFF
Output Current	100mA	150mA	200mA	250mA	300mA	350mA	400mA	—	
Output Voltage	9-46V	9-46V	9-46V	9-46V	9-46V	9-46V	9-46V	—	
Output Power	0.9-4.6W	1.35-6.9W	1.8-9.2W	2.25-11.5W	2.7-13.8W	3.15-16.1W	3.6-16.8W	—	

DIP Switch									 ON OFF
Output Current	450mA	500mA	550mA	600mA	650mA	700mA	750mA	800mA	
Output Voltage	9-46V	9-46V	9-46V	9-46V	9-46V	9-46V	9-46V	9-46V	
Output Power	4.05-20.7W	4.5-23W	4.95-25.3W	5.4-27.6W	5.85-29.9W	6.3-32.2W	6.75-31.5W	7.2-36.8W	

Dimensions

Unit: mm

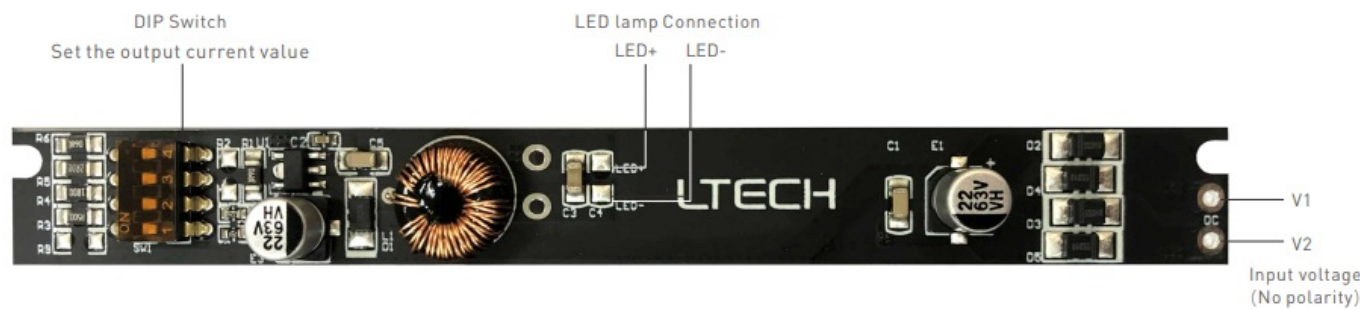


Terminal Description

PCB board



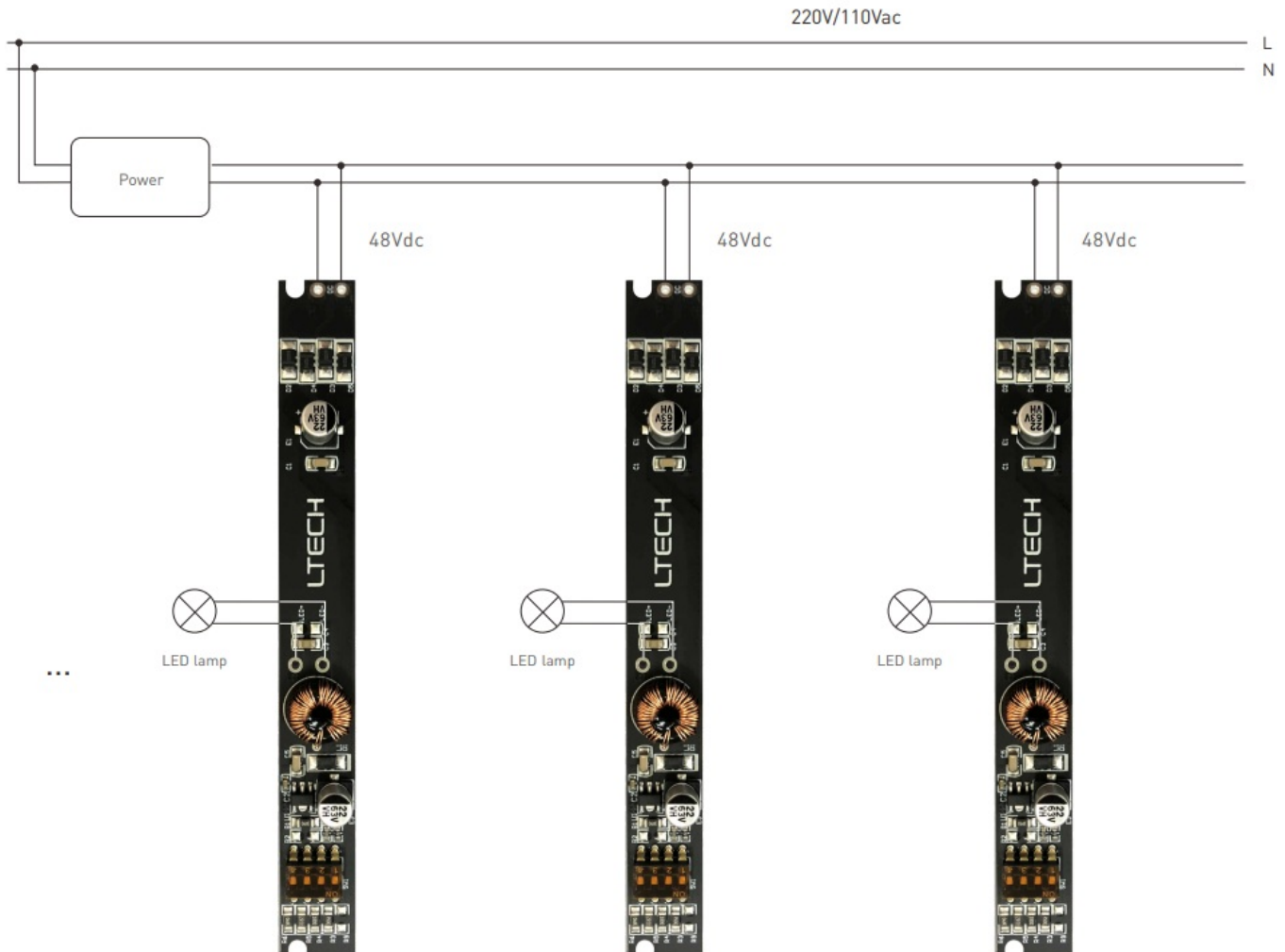
Main view



Side view



Wiring Diagram



Attention

- Products shall be installed by qualified professionals.
- LTECH products are non-waterproof (special models excepted). Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a waterproof enclosure.
- Good heat dissipation will extend the working life of products. Please ensure good ventilation.
- Please check if the working voltage used complies with the parameter requirements of the products.
- The diameter of the wire used must be able to load the light fixtures you connect and ensure the firm wiring.
- Before you power on products, please make sure all the wiring is correct in case of an incorrect connection that causes damage to light fixtures.
- If a fault occurs, please do not attempt to fix products by yourself. If you have any questions, please contact your suppliers.
- This manual is subject to changes without further notice. Product functions depend on the goods. Please feel free to contact our official distributors if you have any questions.

Warranty Agreement

- **Warranty periods from the date of delivery:** 5 years.
- Free repair or replacement services for quality problems are provided within warranty periods.


Warranty exclusions below:

1. Repair or replacement provided is the only remedy for customers. LTECH is not liable for any incidental or consequential damage unless it is within the law.
2. TECH has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.

Update Log

Version	Updated Time	Update Content	Updated by
A0	2021.06.10	Original version	Xu Shujun
A1	2021.09.08	Deleted the description of "Current Accuracy" on P1.Deleted the description of "The Output Current Accuracy of DIP Switches" on P1.	Xu Shujun
A2	2022.01.20	Added "Output Voltage" to P1.	Xu Shujun
A3	2022.06.01	Added "tc: 87 °C" to P1.	Xu Shujun

Documents / Resources

	LTECH MT-100-800-D1N1 on-dimmable Constant Current Driver [pdf] Owner's Manual MT-100-800-D1N1 on Dimmable Constant Current Driver, MT-100-800-D1N1, on Dimmable Constant Current Driver, Dimmable Constant Current Driver, Constant Current Driver, Current Driver, Driver
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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