

Installation Guide

How to install and connect

TRACY® Power Source Units (PSU)

Contents in this Guide:

- Installation
- Connecting

Installation

Mean Well
Installation Manual



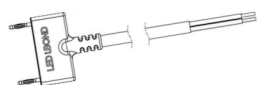
https://www.meanwell.com/Upload/PDF/LED_EN.pdf

Vossloh-Schwabe
Installation Manual



https://www.vossloh-schwabe.com/fileadmin/perfion/files/CC-PrimeLine-DIP-switch-C-R3-loop-DALI2_187217-187218_EN.pdf

Components



TRACY® Power Cord



TRACY® PSU



TRACY® Preinstalled
PSU Box

Installation Guide

TRACY® Power Source Units (PSU)



Connecting TRACY® light panels to PSU (24 VDC)



Mount the PSU on an even surface in a ventilated place

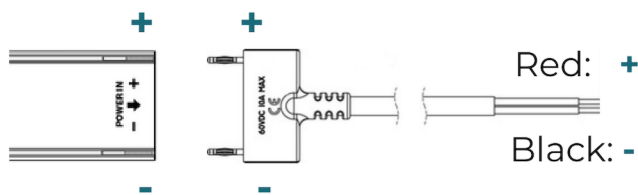
Connect 24 VDC power cord to the PSU



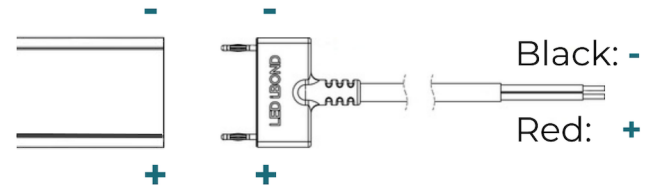
CAUTION:

Be careful to connect power cord correctly: **polarity** is marked on the back side of the TRACY® Light Panels.

Light panel back side View



Light panel front side View



PSU's per 230 VAC circuit breaker

The recommended max. number of the LED PSU's that can be connected to a Circuit Breaker/fuse type is shown as here:

Driver effect/Circuit breaker	B10	B16	C10	C16	D10	D16
75 Watt	4	7	7	11	14	23
100Watt	2	3	4	6	8	12
150 Watt	2	3	3	5	6	11
200 Watt	2	4	4	6	6	10
240 Watt	2	4	4	6	5	8

Source: Mean Well

LED LBOND

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TRACY® Power Source Units (PSU)

Connecting PSU's to 230 VAC Power Supply

1. Before commencing any installation or maintenance work, please **disconnect the power supply** from the utility. Ensure that it cannot be re-connected inadvertently!
2. Keep proper ventilation around the unit and do not stack any object on it. Also a 10-15 cm clearance must be kept when the adjacent device is a heat source.
3. Mounting orientations other than standard orientation or operate under high ambient temperature may increase the internal component temperature and will require a de-rating in output current. Please refer to the specification sheet to receive the optimum mounting position and information about the de-rating curve.
4. Current rating of an approved primary /secondary cable should be greater than or equal to that of the unit. Please refer to its specification.



CAUTION:

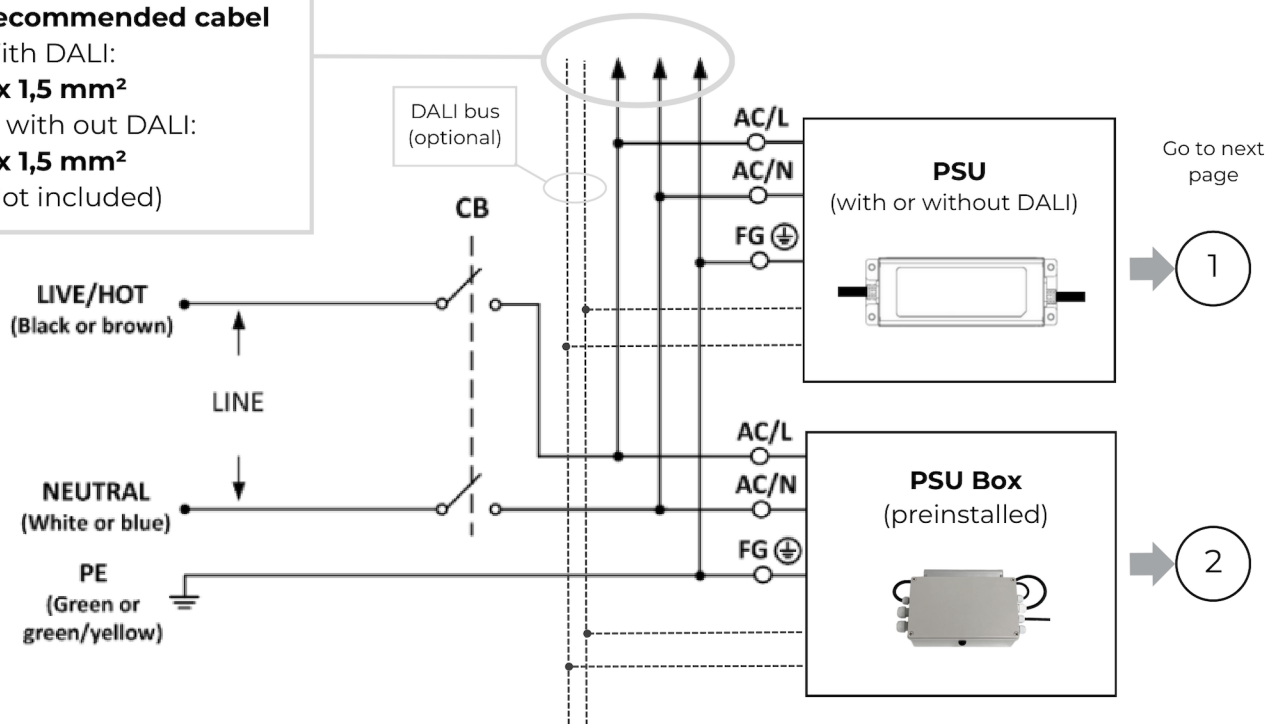
All 230 VAC wiring and connection must be installed by an electrician!

	North America	European Harmonized
Live and ACL	Black	Brown
Neutral and ACN	white	Blue
PE and FG (Class I only)	Green	Green/yellow



Recommended cabel

With DALI:
5 x 1,5 mm²
or with out DALI:
3 x 1,5 mm²
(Not included)



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TRACY® Power Source Units (PSU)

1 Adjusting output current TRACY® PSU

Adjust of output current on the PSU
(apply to Mean Well types A/AB/DA)

A. Turn down voltage and current (marked Vo ADJ. and Io ADJ) on the back of the PSU all the way down

B. Connect the PSU to the TRACY® light panel row

C. Adjust voltage to reach the desired current specified using a clamp meter
- if desired current level can't be reached: go to D.

D. Adjust the current to the desired level on (Io ADJ)
Total current level is adjusted for **all spots** for all TRACY® panels connected to the PSU.



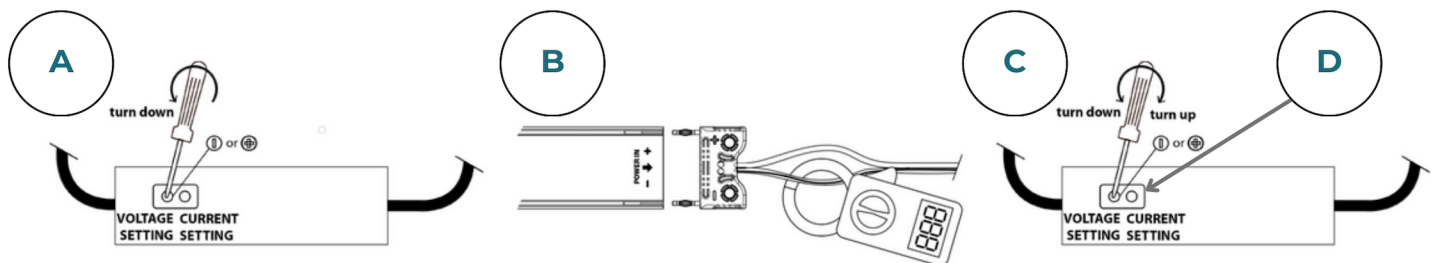
Switch on the power at the circuit breaker.



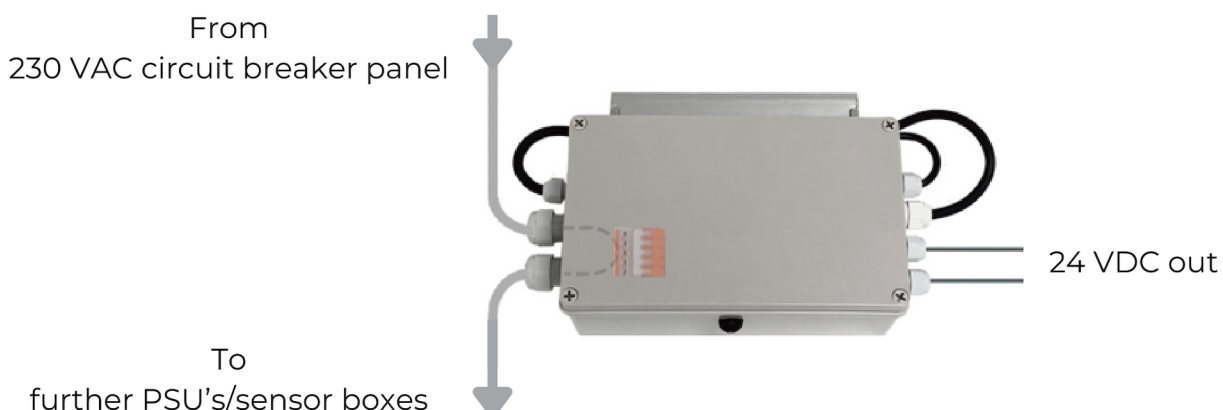
Guide to current levels:



ledibond.com/btb-currentadjust



2 Connecting pre-installed PSU Box with/without DALI



Installation Guide

TRACY® Trouble Shooting

Trouble shooting

Problem	Possible cause	Solution
LIGHT		
No light in the entire panel row	Power Cord not connected to panel or PSU	Connect the Power Cord to the panel (Power In) and to the PSU
	The Power Cord is facing the wrong way (+/- polarization)	Turn the Power Cord connector 180 degr.
	No 230VAC power the PSU	Check the 230VAC connection to the PSU and make sure the circuit breaker is on
	230VAC to the PSU is ok, but 24 VDC output missing	PSU defective. Replace.
No light in one or more panels in a row	Connector Sockets and/or Connector Pins are missing in an assembly or not installed correctly	Fit missing Connector Sockets and Connector Pins
No light in a single LED spot	Fault in the light panel	Replace Light Panel
Weak light in intire panel row	The Power Cord is not connected correctly	Check Power Cord and its connection to PSU and Light Panel
	The power cord is defective	Replace
	Current/voltage is adjusted too low on the back of the PSU (Type A/AB/DA only)	Adjust the PSU correctly
Weak light in one or more panels in a row	A connection between two panels is defective	Check and correct weak connection
Different light level in different light rows (with separate PSU's)	PSU's are not adjusted correctly (voltage/current)	Adjust the PSU's correctly to equal light levels
Different light levels between start and ending of two long length rows	The voltage drop per meter can make a difference between LED spots at start and end of rows	Place start or endings of rows next to each other on continuing rows
MOUNTING		
End Cap can not be fittet	Connector Socket are fittet in the panel	Remove Connector Sockets with an allen key and fit the end cap/ or cut off end
Mounting Brackets break when the panels are clicked on	Do not try to click on BOTH sides of the panel at the same time or try to force it into place using i.e. a closed fist	Replace bracket and click panel on by open hand - one panel side at the time with low presure
LIGHT CONTROL		
Sensor is not reacting	Master Sensor is not correctly configured	Needs to be reconfigured - contact LED iBond support
	Sensor lacks voltage or is not connected correctly to the DALI bus	Check connections
	Sensor defektive	Replace sensor

More Trouble Shooting



ledibond.com/btb-troubleshooting

Further trouble shooting for Mean Well PSU's



<https://led.meanwell.com/qa.aspx>



IP67



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Support

We hope the installation of our TRACY® solution went well.

If you need further support you can contact our customer service team at

sales@ledibond.com

or call
+45 7070 7855

**How-to video
installation guides:**



ledibond.com/btb

Trouble Shooting



ledibond.com/btb-troubleshooting

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