

Datasheet & Operating instructions

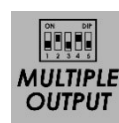
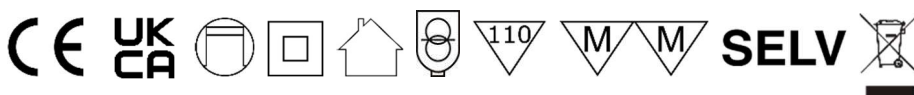
Model: ST-50M2-PV

Double-Output LED Power Supply with adjustable output current

50 W max., IP20, independent installation

dimmable with PUSH (pri. & sec.), 0-10V (sec.), PWM

Flicker free according to IEEE 1789



Exploded view



Electrical data

Rated Input Voltage	220...240 Vac	
Input Voltage range	198...264 Vac	
Input Voltage range (DC)	200...240 Vdc	
Mains frequency	50/60 Hz	
Power factor (λ)	≥ 0.9	230Vac, Full load
Input current	0.28 A max.	
Inrush current	15 A max.	
No-load loss	≤ 0.5 W	
Output options	SEC1	SEC2
	350 mA, 9-50 Vdc, 3-18 W	350 mA, 9-50 Vdc, 3-18 W
	500 mA, 9-50 Vdc, 5-25 W	500 mA, 9-52 Vdc, 5-26 W
	550 mA, 9-45 Vdc, 5-25 W	550 mA, 9-52 Vdc, 5-29 W
	700 mA, 9-36 Vdc, 6-25 W	700 mA, 9-50 Vdc, 6-35 W
	750 mA, 9-33 Vdc, 7-25 W	750 mA, 9-48 Vdc, 7-36 W
	900 mA, 9-28 Vdc, 8-25 W	900 mA, 9-40 Vdc, 8-36 W
Output power (nominal)	50 W max. (SEC1+ SEC2) If SEC1 and SEC2 are in operation at the same time, the total power must not exceed 50 W.	
Dimming mode	PUSH (pri. & sec.): 3-100 %, 0-10V (sec.): 3-100 % PWM (sec.): 3-100 %, via 0-10V port	

Operating condition

Operating temperature range (t_a)	-25...+50 °C
Max. Surface temperature (t_c)	85 °C
Protection class	II
Type of protection	IP20

Protection

Short circuit protection	Yes *
Overvoltage protection	Yes *
Overheating protection	Yes *

(*) The output shuts off and will be resumed, after problem is removed and led driver is restarted.

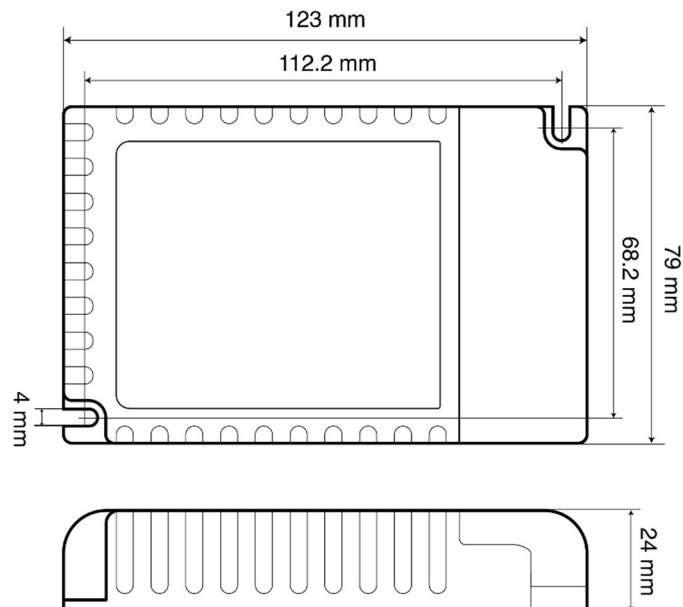
Standards

Standards	EN 61347-1, EN 61347-2-13 EN 55015, EN 61547 EN61000-3-2, EN61000-3-3
Marking	CE, UKCA
RoHS compliant	Yes

Installation

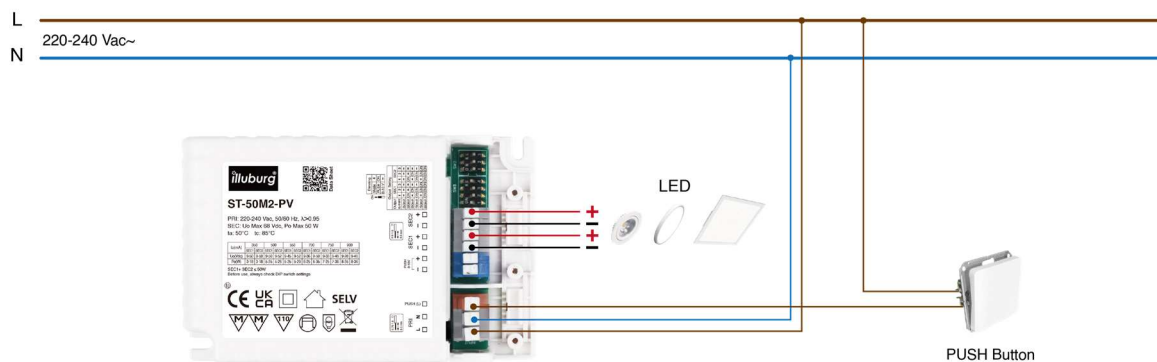
Type of installation	Independent installation
Type of connection	Spring-loaded terminal
Cable cross-section, input side	0.5...1.5 mm ²
Cable cross-section, output side	0.5...1.5 mm ²
Cable preparation length, input side	8 mm
Cable preparation length, output side	8 mm

Dimension

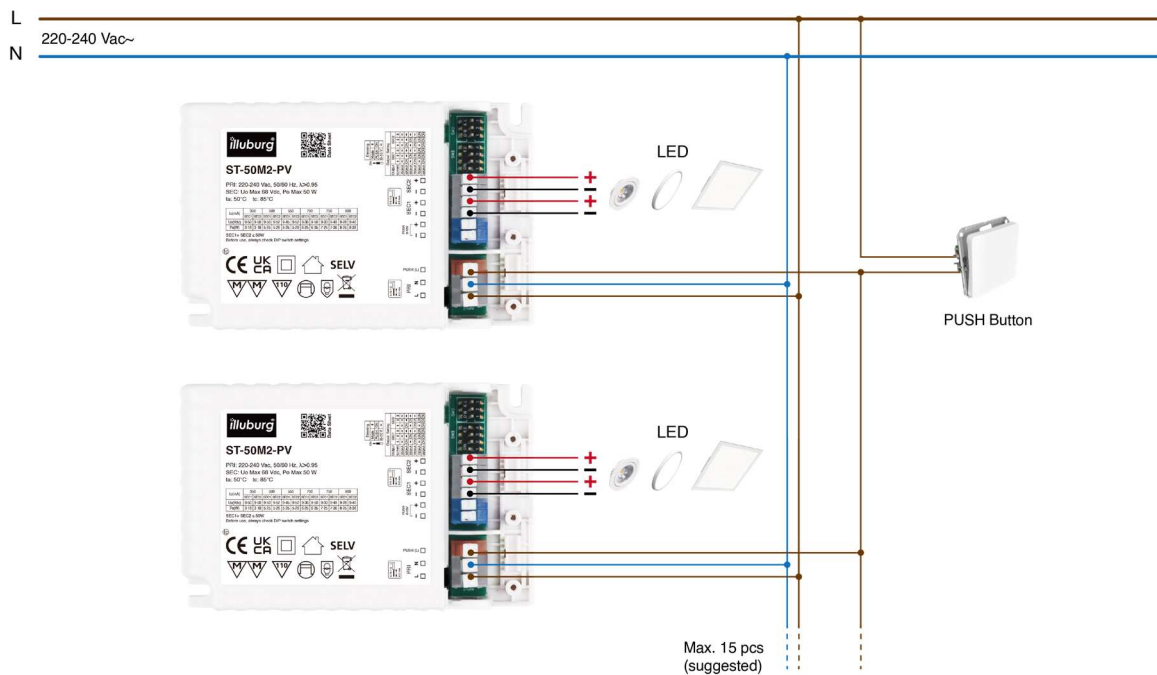


Connection

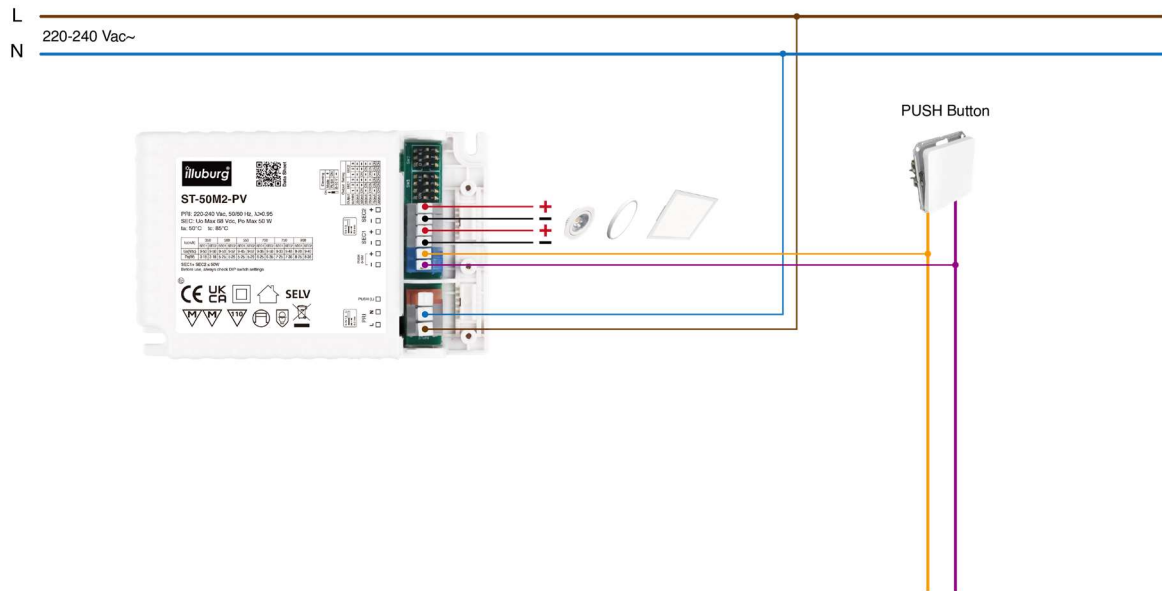
Primary side PUSH Dimming (single)



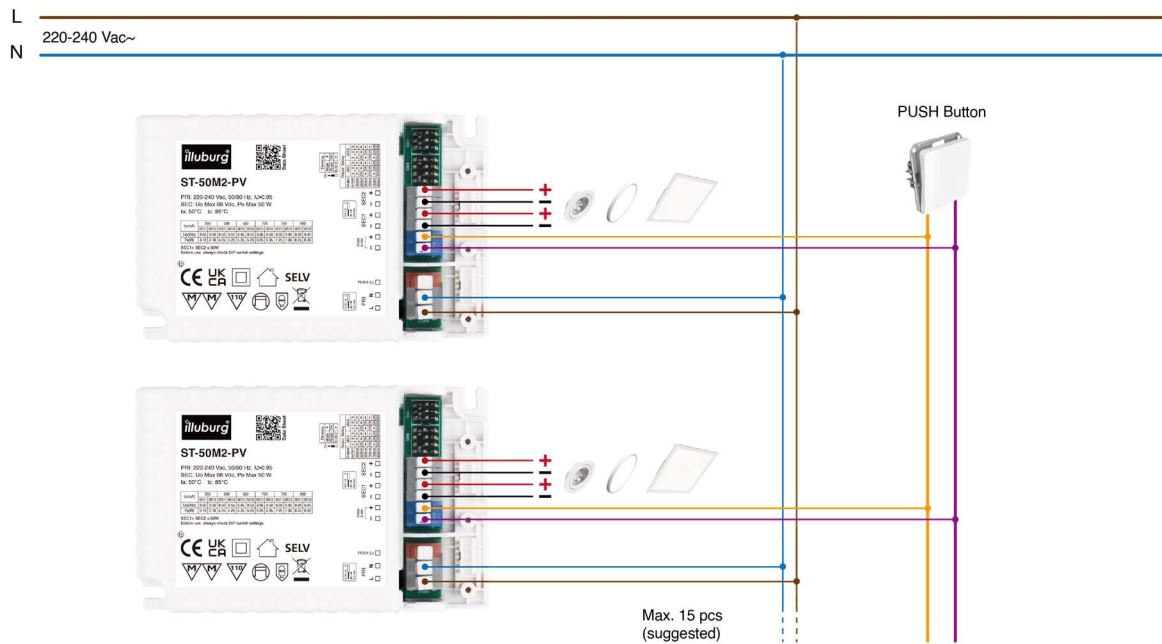
Primary side PUSH Dimming (parallel)



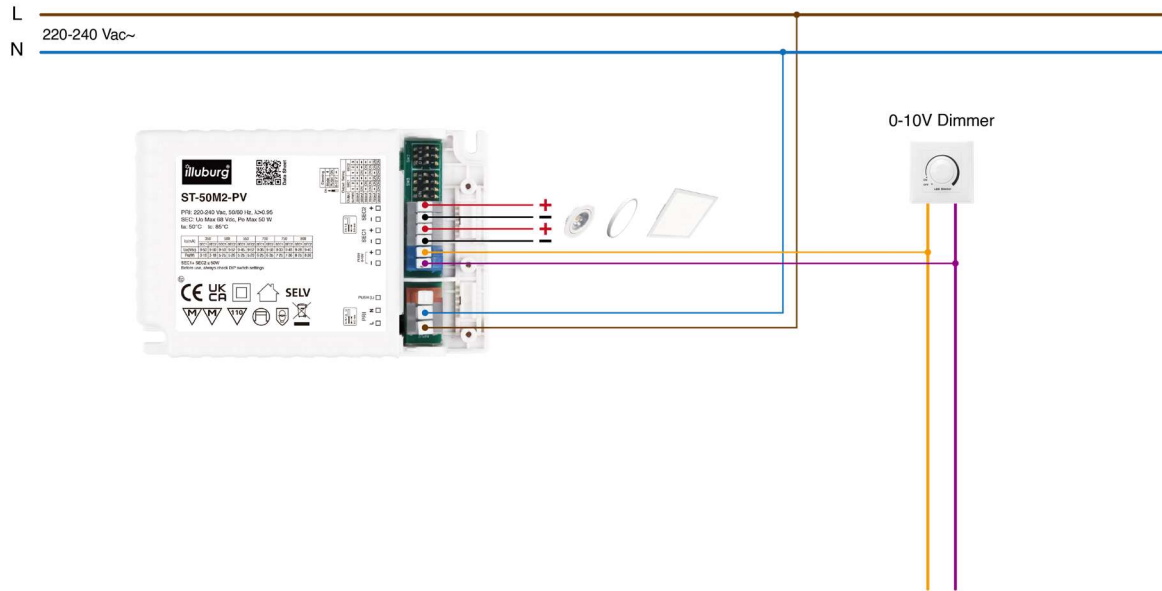
Secondary side PUSH Dimming (single)



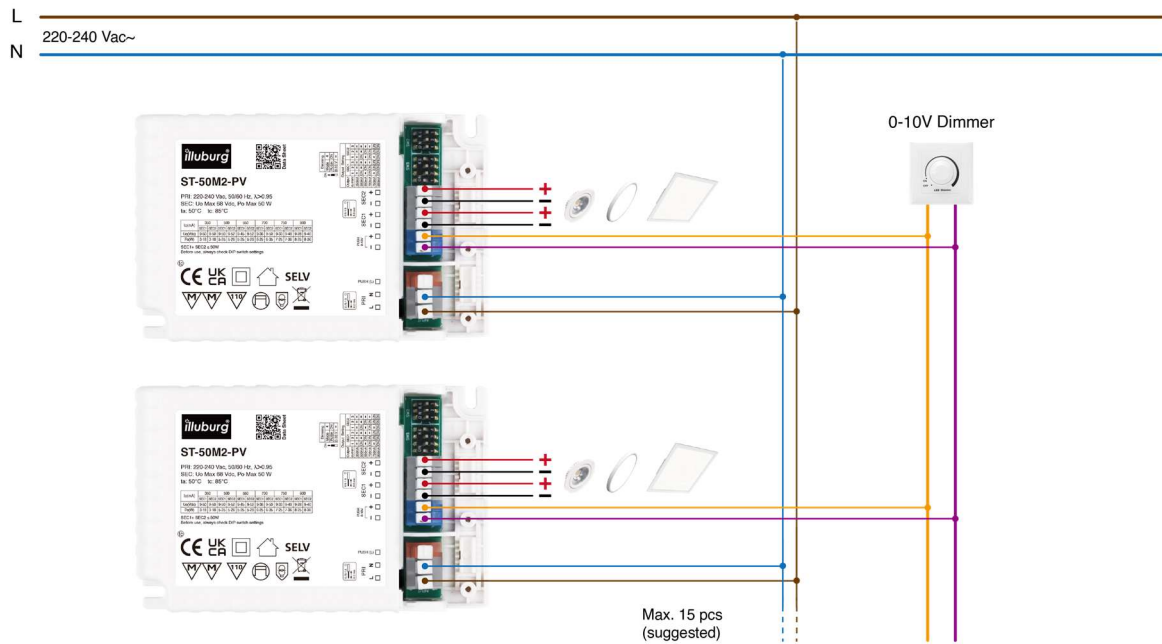
Secondary side PUSH Dimming (parallel)



0-10V Dimming (single)



0-10V Dimming (parallel)



Control via PUSH Button

Status	Action	Duration	Function
LED on	Click once	< 1 s	Turn off LED drivers
LED off			Turn on LED drivers with last brightness setting
LED on	Press and hold	1 - 8 s	Dim brightness up / down. The dimming direction changes each time the button is pressed
LED on		> 15 s	Synchronize all LED drivers with 50 % brightness*

* For connection of multiple LED drivers in parallel with a single PUSH button

Important notice

Download the safety instructions at www.illuburg.de/infocenter, read them carefully and observe the listed instructions and information for proper use.

Disclaimer of liability

Subject to changes and errors excepted. Make sure you are using the latest version.

Manufacturer Information

If you have any further questions, please contact our technical support.

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