

Datasheet & Operating instructions

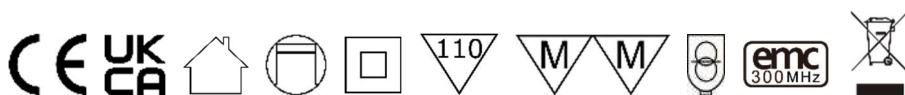
Model: ST-60CL-DALI2

LED power supply with adjustable output current

60 W max., IP20, independent installation

dimmable with DALI-2, PUSH (pri.)

Flicker-free according to IEEE 1789



Exploded view



Electrical data

Rated input voltage	220...240 Vac	
Range of input voltage	198...264 Vac	
Range of input voltage (DC)	200...240 Vdc	
Mains frequency	50/60 Hz	
Power factor (λ)	≥ 0.95	Full Load, 230 Vac
Input current	0.34 A max.	
Inrush current	16 A max.	
No-load loss	≤ 1 W	
Output options	700 mA, 9-71 Vdc, 6-50 W	750 mA, 9-71 Vdc, 7-53 W
	800 mA, 9-71 Vdc, 7-56 W	850 mA, 9-70 Vdc, 8-60 W
	900 mA, 9-67 Vdc, 8-60 W	950 mA, 9-63 Vdc, 9-60 W
	1000 mA, 9-60 Vdc, 9-60 W	1050 mA, 9-57 Vdc, 9-60 W
	1100 mA, 9-55 Vdc, 10-60 W	1150 mA, 9-52 Vdc, 10-60 W
	1200 mA, 9-50 Vdc, 11-60 W	1250 mA, 9-48 Vdc, 11-60 W
	1300 mA, 9-46 Vdc, 12-60 W	1350 mA, 9-44 Vdc, 12-60 W
	1400 mA, 9-43 Vdc, 13-60 W	
Efficiency	88 %	Full Load, 230 Vac
Life time	5 years	
Dimming	DALI-2 (DT-6): 0-100 %, lead wire 300 m max. PUSH (pri.): 0-100 %, lead wire 20 m max.	

Operating condition

Operating temperature range (t_a)	-25...+50 °C
Max. Surface temperature (t_c)	85 °C
Permitted rel. Humidity	10...95 %
Protection class	II
Type of protection	IP20

Protection

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

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

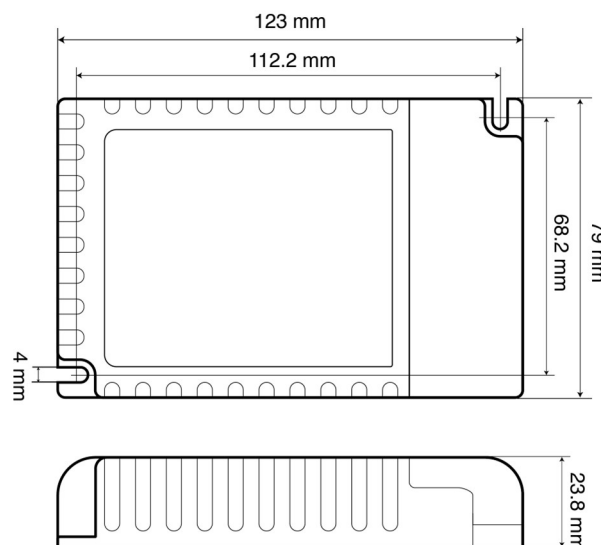
Standards

Standards	EN 61347-1, EN 61347-2-13 EN 55015, EN 61547 EN 61000-3-2, EN 61000-3-3
Dali Standard (DT-6)	IEC 62386-102, IEC 62386-207
Marking	CE, UKCA
RoHS compliant	Yes

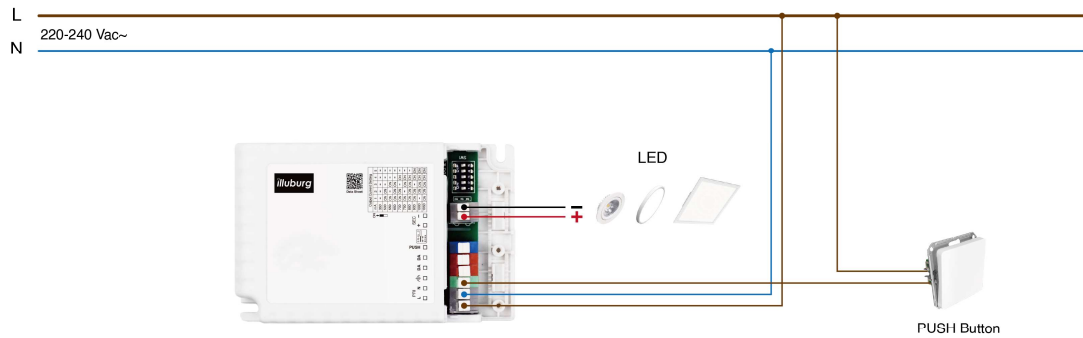
Installation

Type of installation	Independent installation	
Type of connection	Spring-loaded terminal	
Cable cross-section, input side	0.75...1.5 mm ²	
Cable cross-section, output side	0.75...1.5 mm ²	
Cable preparation length, input side	6...8 mm	
Cable preparation length, output side	6...8 mm	
Circuit breaker (230V)	10A Type B: 15 pc. 13A Type B: 20 pc. 16A Type B: 25 pc. 20A Type B: 28 pc. 25A Type B: 30 pc.	10A Type C: 25 pc. 13A Type C: 30 pc. 16A Type C: 40 pc. 20A Type C: 50 pc. 25A Type C: 70 pc.

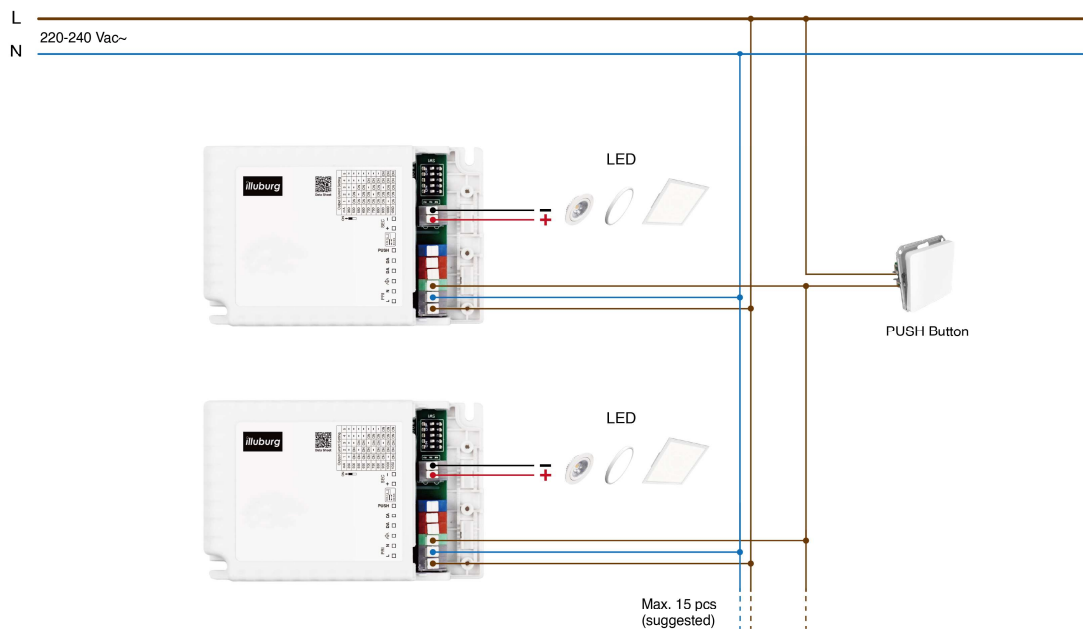
Dimension



Primary side PUSH Dimming (single)



Primary side PUSH 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 100 % 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.

HuaTec GmbH
Droopweg 31
20537, Hamburg, Germany

Telefon: +49 40 236448800
E-Mail: info@illuburg.de
Website: www.illuburg.de

