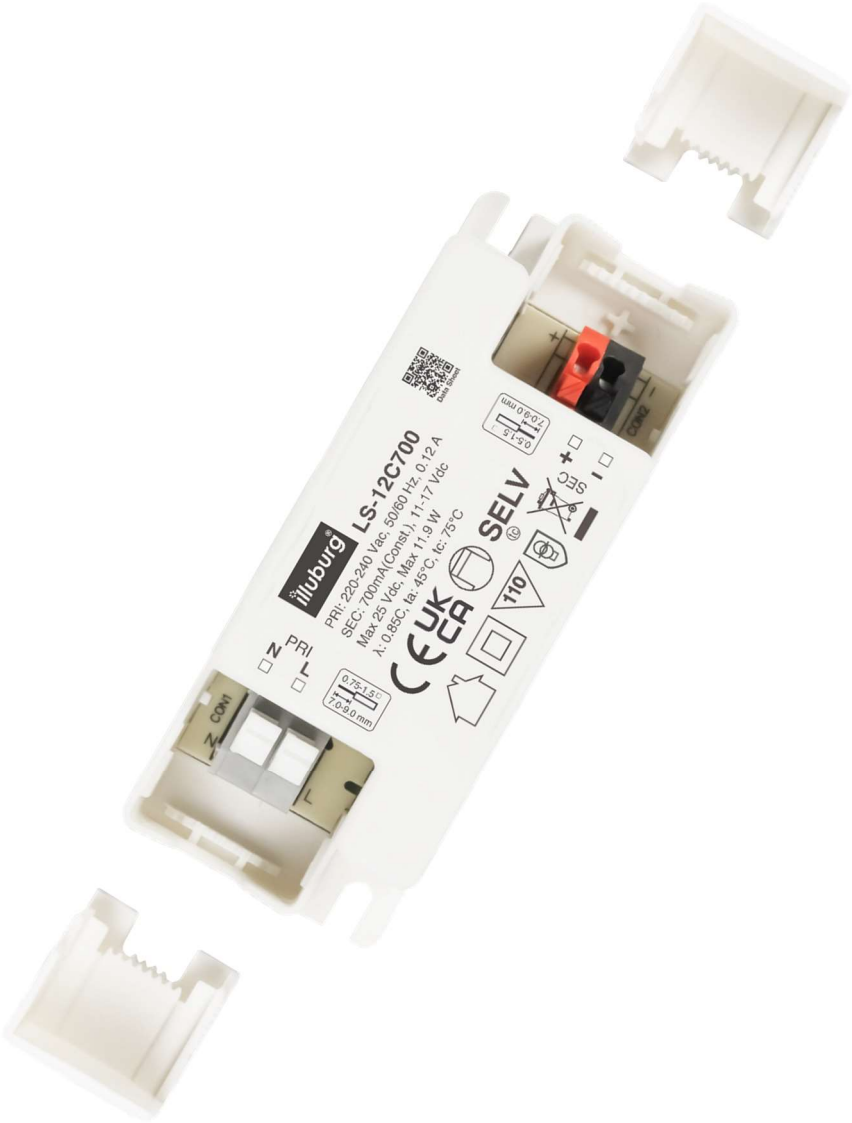
LS-12C700

LED power supply for 700 mA constant current
11...17 Vdc, 7.7…11.9 W, IP20, independent installation, non-dimmable
Flicker-free according to IEEE 1789

Exploded view



Electrical data

Rated input voltage	220...240 Vac	
Range of input voltage (AC)	198...264 Vdc	
Range of input voltage (DC)	176...280 V	
Mains Frequency	50/60 Hz	
Power factor (λ)	0.85 C	Full Load, 220…240 Vac
Input current	0.12 A max.	Full Load, 198 Vac
Inrush current	10 A max.	
Leakage current	< 0.7 mA	240 Vac
Output voltage	11...17 Vdc	
Output current	700 mA	
Output power (nominal)	7.7…11.9 W	
Efficiency	≥ 83 %	
Life time	> 30,000 h	45 °C
Dimmable	No	

Operating condition

Operating temperature range (ta)	-20...+45 °C
Max. Surface temperature (tc)	75 °C
Permitted rel. humidity	20...90 %
Protection class	II
Type of protection	IP20

Protection

Short circuit protection	Yes *	
Overload protection	Yes *	103…140%
Overvoltage protection	Yes *	> 21 Vdc

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

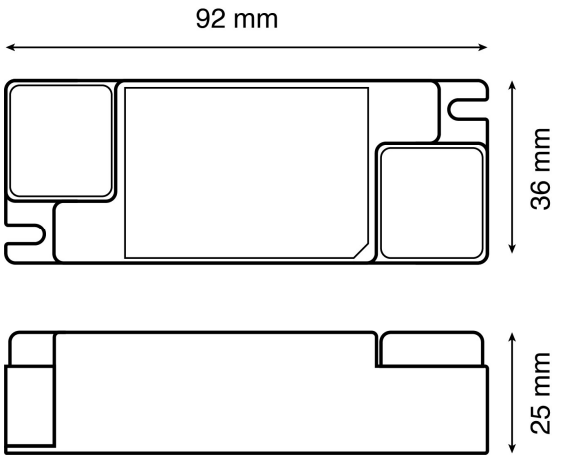
Standards & Certificates

Standards	EN 61347-1, EN 61347-2-13, EN62384 EN 62493, EN 55015, EN 61547 EN 61000-3-2, EN 61000-3-3
Approval marks	CE, UKCA
RoHS compliant	Yes

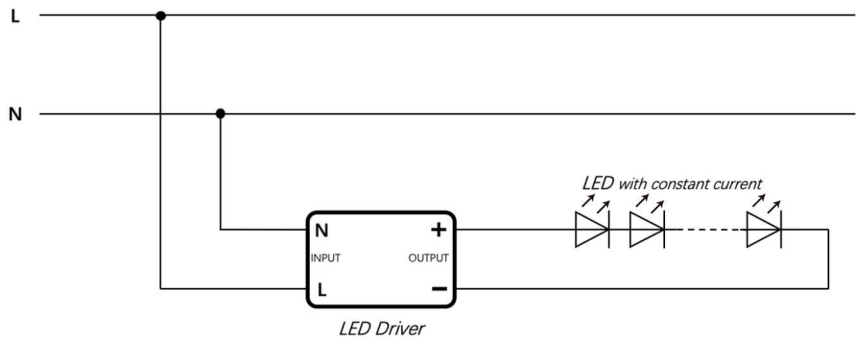
Installation

Type of installation	Independent installation	
Type of connection	Spring-loaded terminal	
Cable cross-section, input side	0.5...1.5 mm²	
Cable cross-section, output side	0.5...1.5 mm²	
Cable preparation length, input side	6...8 mm	
Cable preparation length, output side	6...8 mm	
Circuit breaker (230V)	10A Typ B: 80 pc. 16A Typ B: 128 pc. 20A Typ B: 160 pc.	10A Typ C: 80 pc. 16A Typ C: 128 pc. 20A Typ C: 160 pc.

Dimension



Connection



Safety Notice

	Dangerous currents flow through the body when coming into direct or indirect contact with live components. This can result in electric shock, burns or even death. Work improperly carried out on current-carrying parts can cause fires. ■ Disconnect the mains power supply prior to installation and/or disassembly! ■ Permit work on the 230 V supply system to be performed only by specialist staff.