



The emergency lighting unit CUK LED TS serves the extension of existing LED luminaires with emergency lighting functionality conforming to the European selftest standard. The compact polycarbonate housing is suitable for protection class I and II luminaires. The LiFePO<sub>4</sub> battery technologies are supported and charged by microprocessor controlled cycles corresponding to the battery. A battery regeneration process of capacity optimisation is initiated automatically after commissioning as well as after each battery exchange.

### Technical specifications

<b>Mains voltage range:</b>	220 – 240 V 50 / 60 Hz	<b>Functionality test:</b>	weekly 2 min.
<b>Output voltage range:</b>	12-55 V	<b>Duration test:</b>	Annually
<b>Max. output voltage:</b>	60 V	<b>Battery charging time:</b>	24 h
<b>Output power in emergency mode:</b>	3 W ±15 %	<b>Protection classes:</b>	I and II
<b>Power consumption:</b>	max. 3 W / 4,2 VA	<b>Protection type:</b>	IP20
<b>Switchover time mains to emergency:</b>	< 0,5 s	<b>Weight:</b>	140 g

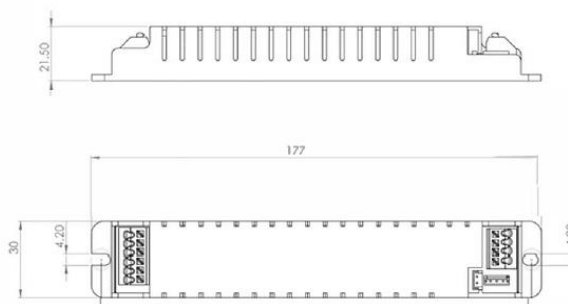
### Article

**CUK LED 3W TS 55V** Art. Nr. 44203509

### Properties

- Non-maintained mode
- 1h emergency operation duration
- (Switched) Maintained mode in combination with an external LED driver
- Selftest conforming to IEC 62034
- Bus communication options available
- LED status display
- Compatible with all dimmable and non-dimmable LED drivers
- 5-pin technology: LED module changeover switching and delayed LED driver power switching
- Constant power output in emergency mode
- Specific charging currents and charging cycles corresponding with the respective battery technology (LiFePO<sub>4</sub>)
- Deep discharge protection

Description	Amount	Art. Nr.
Battery LiFePO <sub>4</sub> 3,2V 3Ah 9,6Wh	1x	33275802
Battery End Cap	2x	3243100



### Product liability:

Please note that the maximum voltage in case of LED module failure may reach 60V. The requirement of the EN 60598-1 standard concerning security must be fulfilled after the integration of the emergency lighting unit in the LED luminaire. It is the emergency lighting unit's user's full responsibility to comply with the EN 60598-1 standard. Any liability concerning standards compliance and correct emergency lighting unit selection will be denied by the manufacturer.

### Selftest

- Selftest conforming to IEC 62034
- Bi-colour LED status display
- Battery status
- LED module status
- Charging cycle

- LED green: System fault free
- LED red blinking: Mains available with battery not connected or faulty battery
- LED red intermittend blinking: Light defect or not connected
- LED off: Mains fault, Mains under 160 V, Battery fully discharged or faulty emergency unit

## Batteries

- High-temperature cells 5 to 50 °C
- LiFePO<sub>4</sub> batteries
- 18650 cells
- Charging time 24 h
- 4 years expected life duration
- 12 months warranty
- Battery regeneration for capacity optimisation

## Safety

- Protection classes I and II
- Protection type IP20
- SELV (55 V device)

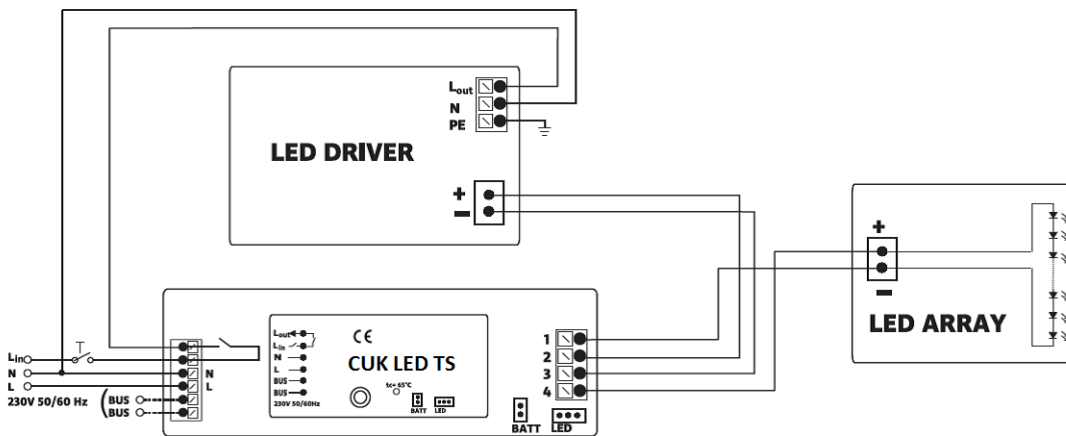
## Standards

- EN 60598-2-22
- EN 61347-2-7
- EN 61347-2-13
- EN 62384
- EN 62034
- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61547
- Suitable for systems conforming to: VDE 0108 or EN 50172

## Certification marks

- CENELEC certificate (pending)
- CE

Connection diagram



Ⓢ = reinforced insulation between LED-module and mains