

IP20 SELV         

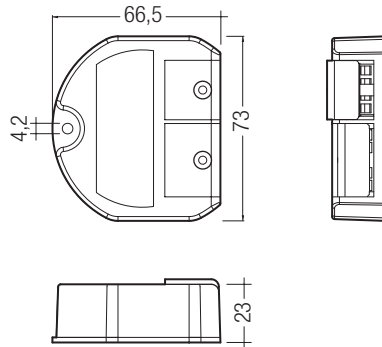
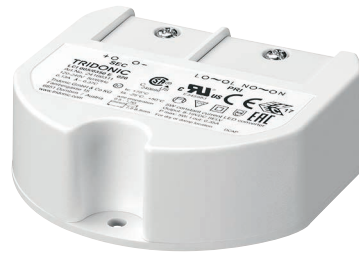
**Driver LCI 5 W 350 mA IP20**  
TEC series

### Product description

- Constant current LED Driver
- Universal input voltage range
- Constant output current 350 mA
- Strain relief
- Screw terminal

### Properties

- Low power loss
- Overtemperature protection
- Overload protection with automatic restart
- Short-circuit shutdown feature with automatic restart
- Protection class 2, SELV
- Type of protection IP20
- Casing: polycarbonate, white



### Technical data

Rated supply voltage	120 – 240 V
AC voltage range	108 – 264 V
Rated current (at 230 V 50 Hz)	0.08 A
Mains frequency	50 / 60 Hz
Efficiency	> 70 %
Max. input power	7 W
$\lambda$ (at 230 V 50 Hz)	0.37
Output current tolerance <sup>®</sup>	± 8 %
Output current ripple	± 25 %
Max. repetitive output peak current	470 mA
Max. non-repetitive output peak current	470 mA
Turn on time (Output)	≤ 0.5 s
Turn off time (Output)	≤ 1 s
Hold on time at power failure (Output)	10 ms
Ambient temperature $t_a$	-25 ... +50 °C
Ambient temperature $t_a$ (at life-time 50,000 h)	-25 ... +40 °C
Max. casing temperature $t_c$	75 °C
Storage temperature	-30 ... +85 °C
Dimensions LxWxH	73 x 67 x 23 mm

### Ordering data

Type	Article number	Packaging carton	Packaging pallet	Weight per pc.
LCI 005/0350 E020	24166311	60 pc(s).	3.600 pc(s).	0.12 kg

### Specific technical data

Type	Output current <sup>®</sup>	Output voltage range
LCI 005/0350 E020	350 mA	8 – 15 V

<sup>®</sup> Ausgangsstrom ist Mittelwert.

**Standards**

EN 55015  
EN 61000-3-2  
EN 61000-3-3  
EN 61347-1  
EN 61347-2-13  
EN 61547  
EN 62384

**Installation instructions**

Please note that LCI 005/0350 E020 complies with protection class II so special measures are needed if it is to be installed in protection class I applications / luminaires.

Please note the requirements set out in the document LED\_driver\_installation\_advise\_en.pdf (<http://www.tridonic.com/com/en/technical-docs.asp>).

**Over temperature protection**

Automatic shutdown of the LED Driver if the temperature limit is exceeded. Automatic restart if the temperature falls below the limit.

**Overload protection**

Automatic shutdown of the LED Driver if the maximum output voltage is exceeded. Automatic restart if the output voltage is below the limit.

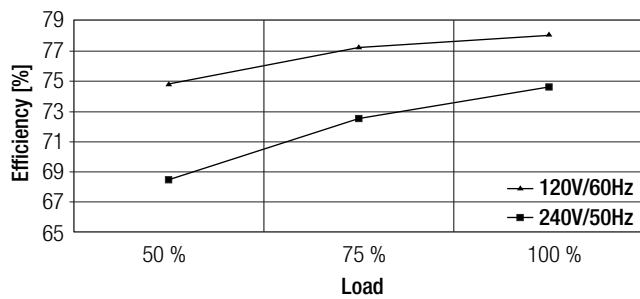
**Glow wire test**

according to EN 60598-1 with increased temperature of 850 °C passed.

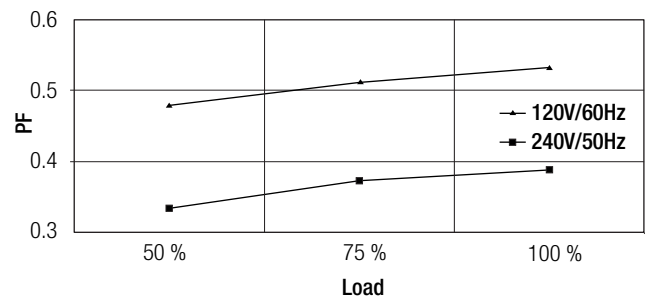
**Maximum loading of automatic circuit breakers**

Automatic circuit breaker type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush current
Installation Ø	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	I <sub>max</sub> time
<b>LCI 005/0350 E020</b>	16	24	32	37	8	12	16	18	149 A 0.014 ms

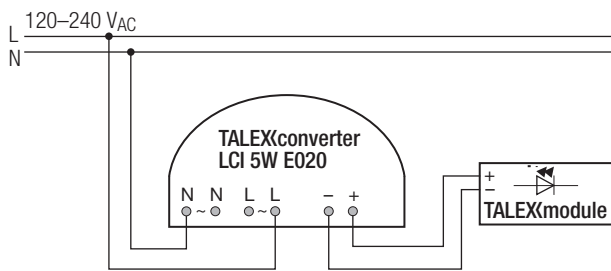
**Efficiency versus load**



**PF value versus load**



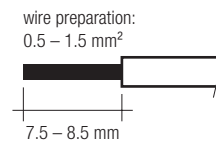
**Wiring diagram**



**Wiring type and cross section**

The wiring can be in stranded wires with ferrules or solid. For perfect function of the screw terminals the strip length should be 7.5–8.5 mm for the terminal.

**Input / Output terminal**



**Installation instructions**

The switching of LEDs on secondary side is not permitted.

**Additional information**

Additional technical information at [www.tridonic.com](http://www.tridonic.com) → Technical Data

Guarantee conditions at [www.tridonic.com](http://www.tridonic.com) → Services

No warranty if device was opened.

**Isolation and electric strength testing of luminaires**

Electronic devices can be damaged by high voltage. This has to be considered during the routine testing of the luminaires in production.

According to IEC 60598-1 Annex Q (informative only!) or ENEC 303-Annex A, each luminaire should be submitted to an isolation test with 500V<sub>DC</sub> for 1 second. This test voltage should be connected between the interconnected phase and neutral terminals and the earth terminal. The isolation resistance must be at least 2MΩ.

As an alternative, IEC 60598-1 Annex Q describes a test of the electrical strength with 1500V<sub>AC</sub> (or 1.414 x 1500V<sub>DC</sub>). To avoid damage to the electronic devices this test must not be conducted.