

# HADLER



## Data sheet

Constant current LED control gear  
15 W, 350 / 500 / 700 mA  
SELV output

Kompakt II LED

**Luxtronic®**

## Kompakt II LED control gear

More than 25 years of experience in the design and development of electronic lighting products, the close cooperation with test authorities and the joint research in the sector of explosion protection enable the company Hadler to develop products in accordance with market trends which will exactly meet the requirements. Function and, above all, safety will take priority over other requirements.

Furthermore, in accordance with the company philosophy, Luxtronic ballasts also reflect the "second idea": Features offering an additional benefit and using the full competence of the company Hadler to allow for a unique position in the market. Both large-scale and small-scale series of the Luxtronic ballasts can be produced in a cost-effective way. The proximity to the market allows for short delivery times.

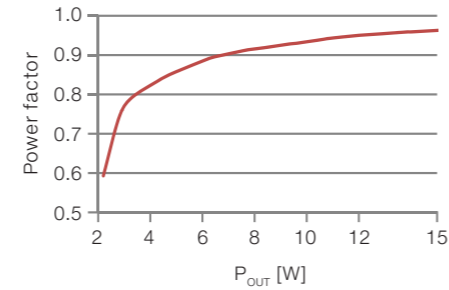
Michael Lamkowski  
Head of Research & Development



## Table of contents

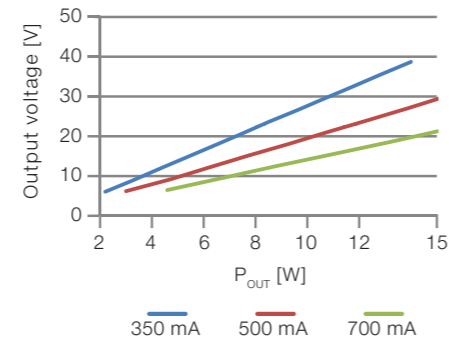
**Input**

|                           |                               |
|---------------------------|-------------------------------|
| Rated supply voltage      | 220 – 240 V                   |
| Mains frequency           | 0 / 50 – 60 Hz                |
| Input voltage range a.c.  | 198 – 264 V                   |
| Input voltage range d.c.  | 176 – 276 V                   |
| Rated supply current      | 0.08 A at full load           |
| Power factor              | 0.95 at full load (see graph) |
| Total Harmonic Distortion | ≈ 15 % at full load           |



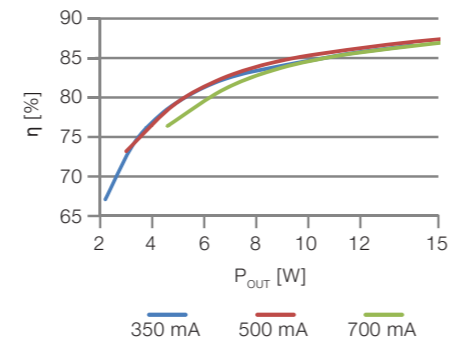
**Output**

|                         |                                |
|-------------------------|--------------------------------|
| Output characteristic   | Constant current, SELV         |
| Output voltage          | 5 – 40 V (see graph)           |
| Output current          | 350 / 500 / 700 mA, selectable |
| Output power            | 2 – 15 W                       |
| No. of output channels  | 1                              |
| Output current accuracy | +/- 5 %                        |
| Output current ripple   | < 10 % at 100 Hz               |
| Output dimming          | n.a.                           |
| Dimming range           | n.a.                           |



**Efficiency**

|                            |                               |
|----------------------------|-------------------------------|
| Stand-By Power consumption | n.a.                          |
| No-load Power consumption  | 0.5 W                         |
| Electrical efficiency      | 0.87 at full load (see graph) |



**Interface**

|                           |      |
|---------------------------|------|
| Dimming Interface         | n.a. |
| Interface control current | n.a. |
| Dimming curve             | n.a. |

**Temperature, Lifetime**

|   |             |          |          |
|---|-------------|----------|----------|
| Ambient temperature range (T <sub>a</sub> ) | -25 – 60 °C |          |          |
| Max. case temperature (T <sub>c</sub> )     | 75 °C       |          |          |
| T <sub>a</sub>                              | 50 °C       | 55 °C    | 60 °C    |
| T <sub>c</sub>                              | 65 °C       | 70 °C    | 75 °C    |
| lifetime                                    | 100,000 h   | 75,000 h | 50,000 h |

**Max. No. of ECG per circuit breaker**

|      |     |         |
|------|-----|---------|
| Type | B10 | 35 pcs. |
|      | C10 | 50 pcs. |
|      | B16 | 50 pcs. |
|      | C16 | 50 pcs. |

**Wiring**

|                           |                           |
|---------------------------|---------------------------|
| Max. output cable length  | 200 cm                    |
| Input wire cross-section  | 0.5 – 1.5 mm <sup>2</sup> |
| Output wire cross-section | 0.2 – 0.5 mm <sup>2</sup> |

The wiring should be short and without crossings for best EMC results.

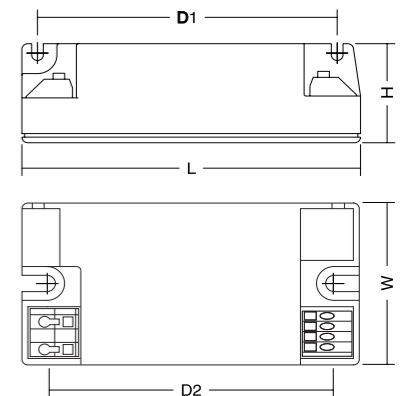
**Dimensions**

|                                 |                 |
|---------------------------------|-----------------|
| Length x Width x Height         | 80 x 40 x 22 mm |
| Mounting hole distances D1 / D2 | 71 / 68 – 75 mm |
| Mounting screws                 | M4 max.         |

(see schematic view on the right)

**Ordering data**

|                |                     |
|----------------|---------------------|
| Weight         | 0.065 kg            |
| Packaging unit | 144 pcs.            |
| Order No.      | <b>3 C 115 17 0</b> |



ECG 15 W, 350 / 500 / 700 mA, 220 – 240 V

### Standards

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

Suited for use in class I and class II luminaires

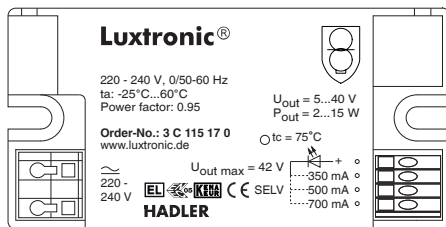
### Markings



SELV



### Wiring diagram





<http://www.hadler-gmbh.de/en/luxtronic/all-products/>

**Hadler GmbH**  
Fritzlärer Straße 19  
34587 Felsberg-Neuenbrunslar  
Tel.: +49 5662 9399-0  
Fax: +49 5662 9399-29  
E-Mail: [info@hadler-gmbh.de](mailto:info@hadler-gmbh.de)

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