



# EB-Certalume for TL-D lamps

## EB-C 136 TL-D 220-240V 50/60Hz

Affordable, reliable, high-frequency electronic ballast for TL-D fluorescent lamps, ideal alternative to electromagnetic fluorescent systems. The cost-saving and reliable EB-C has energy efficiency class A2, and its robust design meets all necessary international standards for safety and EMC. The ballast is primarily designed for indoor use. For outdoor use, the luminaire should be minimum Class II and needs to be sufficiently protected against water and dust. The installation should also be guarded against lightning surges or given any other necessary electrical protection as deemed in this type of installation and application. Don't use this driver if the lamp is exposed to temperatures below 0 °C.

### Product data

| General Information                            |              | Power losses (nom.)                       |  |
|--|--------------|---|--|
| Type version                                   | mk1          |   | 4.4 W  |
| Lamp type                                      | TL-D         | Wiring                                    |  |
| Number of lamps                                | 1 piece/unit | Connector type input terminals            | 250 manual connector [ Suitable for manual wiring and easy release button] |
| Number of products on MCB (16 A type B) (nom.) | 18           | Cable capacity output wires mutual (max.) | 120 pF   |
| Automatic restart                              | No           | Colour input terminals                    | Orange   |
| Operating and Electrical                       |              | Colour output terminals                   | Grey   |
| Input voltage                                  | 220 to 240 V | Connector type output terminals           | 250 manual connector [ Suitable for manual wiring and easy release button] |
| Input frequency                                | 50 to 60 Hz  | Cable length hot-wiring                   | 0.75 m   |
| Operating frequency (nom.)                     | 42-60 kHz    | Wire strip length                         | 9.0-10.0 mm  |
| Power factor 100% load (nom.)                  | 0.95         | Dual fixture master/slave                 | Possible, lamp wires 2m max. length [ Master/Slave operation possible]     |
| Mains voltage safety (AC)                      | -10% - +10%  | Input terminal cross section              | 0.50-1.50 mm <sup>2</sup>  |
| Earth leakage current (nom.)                   | 0.7 mA       | Output terminal cross section             | 0.50-1.50 mm <sup>2</sup>  |

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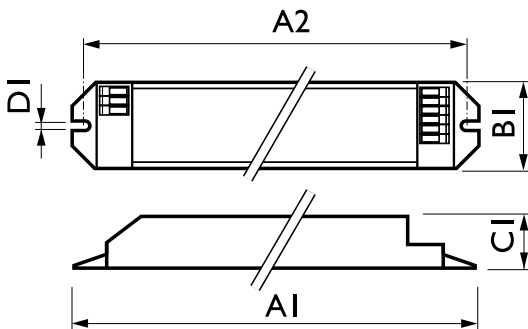
|   |             |
|---|-------------|
| Cable capacity output wires to earth (max.) | 120 pF      |
| <b>System characteristics</b>               |             |
| Rated ballast-lamp power                    | 36 W        |
| Rated lamp power on TL-D                    | 36 W        |
| System power on TL-D                        | 37 W        |
| Lamp power on TL-D                          | 32.6 W      |
| Power loss on TL-D                          | 4.4 W       |
| <b>Temperature</b>                          |             |
| T case lifetime (nom.)                      | 75 °C       |
| <b>Mechanical and Housing</b>               |             |
| Housing                                     | L 150x40x28 |
| <b>Emergency Operation</b>                  |             |
| Battery voltage lamp ignition               | 165-253 V   |
| <b>Approval and Application</b>             |             |
| Energy efficiency index                     | A2          |

|                                |                                |
|--------------------------------|--------------------------------|
| IP classification              | IP 20 [ Ingress Protection 20] |
| Overvoltage protection 276 VAC | 48 h                           |
| EMI 9 kHz... 30 MHz            | EN55015                        |
| Vibration standard             | IEC68-2-6 F c                  |
| Bumps standard                 | IEC 68-2-29 Eb                 |
| Humidity standard              | IEC 61347-2-3                  |
| Approval marks                 | CCC certificate CB Certificate |

### Product Data

|                                 |                                |
|---------------------------------|--------------------------------|
| Full product code               | 872790085878500                |
| Order product name              | EB-C 136 TL-D 220-240V 50/60Hz |
| EAN/UPC – product               | 8711500998149                  |
| Order code                      | 85878500                       |
| Numerator – quantity per pack   | 1                              |
| Numerator – packs per outer box | 20                             |
| Material no. (12NC)             | 913713199215                   |
| Net weight (piece)              | 0.090 kg                       |

### Dimensional drawing



EB-C 136 TL-D 220-240V 50/60Hz

| Product                           | D1     | C1      | A1       | A2       | B1      |
|-----------------------------------|--------|---------|----------|----------|---------|
| EB-C 136 TL-D 220-240V<br>50/60Hz | 4.2 mm | 28.0 mm | 150.0 mm | 140.0 mm | 40.0 mm |

