



# EB-Certalume for TL-D lamps

## EB-C 118 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 application. For outdoor application, the luminaire should be minimum Class II and need to be sufficiently protected against water & dust. The installation should also be guard against any lightning surge or any other necessary electrical protection as deemed in such typical installation & application. Don't use this driver if lamp is exposed to temperature below 0 deg C.

### Product data

| General Information                          |              | Power Losses (Nom)                       |  |
|--|--------------|--|--|
| Type Version                                 | mk1          |  | 2.8 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 (16A Type B) (Nom) | 25           | Cable Capacity Output Wires Mutual (Max) | 120 pF   |
| Automatic Restart                            | No           | Color Input Terminals                    | Orange   |
| Operating and Electrical                     |              | Color 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 Striplength                         | 9.0-10.0 mm  |
| Power Factor 100% Load (Nom)                 | 0.96         | Dual Fixture Master/Slave                | Possible, lamp wires 2m max. length [ Master/Slave operation possible]     |
| Mains Voltage Safety (AC)                    | -25% - +15%  | Input Terminal Cross Section             | 0.50-1.50 mm <sup>2</sup>  |
| Earth Leakage Current (Nom)                  | 0.5 mA       | Output Terminal Cross Section            | 0.50-1.50 mm <sup>2</sup>  |

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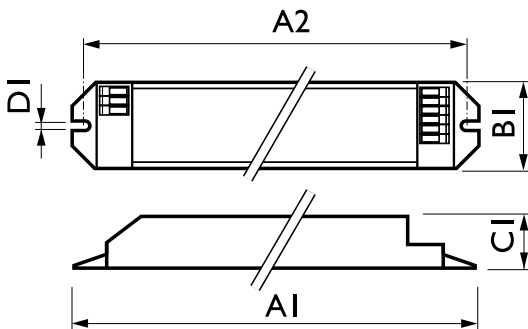
|  |             |
|--|-------------|
| Cable Capacity Output Wires to Earth (Max) | 120 pF      |
| <b>System characteristics</b>              |             |
| Rated Ballast-Lamp Power                   | 18 W        |
| Rated Lamp Power on TL-D                   | 18 W        |
| System Power on TL-D                       | 19.7 W      |
| Lamp Power on TL-D                         | 16.9 W      |
| Power Loss on TL-D                         | 2.8 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 276Vac | 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               | 872790085877800                |
| Order product name              | EB-C 118 TL-D 220-240V 50/60Hz |
| EAN/UPC - Product               | 8711500998132                  |
| Order code                      | 913713199015                   |
| Numerator - Quantity Per Pack   | 1                              |
| Numerator - Packs per outer box | 20                             |
| Material Nr. (12NC)             | 913713199015                   |
| Net Weight (Piece)              | 0.080 kg                       |

### Dimensional drawing



EB-C 118 TL-D 220-240V 50/60Hz

| Product                           | D1     | C1      | A1       | A2       | B1      |
|-----------------------------------|--------|---------|----------|----------|---------|
| EB-C 118 TL-D 220-240V<br>50/60Hz | 4.2 mm | 28.0 mm | 150.0 mm | 140.0 mm | 40.0 mm |

