



# 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.

### Product data

| General Information                          |              |
|--|--------------|
| Type Version                                 | mk1          |
| Lamp Type                                    | TL-D         |
| Number Of Lamps                              | 1 piece/unit |
| Number Of Products On MCB (16A Type B) (Nom) | 25           |
| Automatic Restart                            | No           |
| Operating and Electrical                     |              |
| Input Voltage                                | 220 to 240 V |
| Input Frequency                              | 50 to 60 Hz  |
| Operating Frequency (Nom)                    | 42-60 kHz    |
| Power Factor 100% Load (Nom)                 | 0.96         |
| Mains Voltage Safety (AC)                    | -25%+15%     |
| Earth Leakage Current (Nom)                  | 0.5 mA       |
| Power Losses (Nom)                           | 2.8 W        |

| Wiring                                     |  |
|--|--|
| Connector Type Input Terminals             | 250 manual connector [ Suitable for manual wiring and easy release button] |
| Cable Capacity Output Wires Mutual (Max)   | 120 pF   |
| Color Input Terminals                      | Orange   |
| Color Output Terminals                     | Grey   |
| Connector Type Output Terminals            | 250 manual connector [ Suitable for manual wiring and easy release button] |
| Cable Length Hot Wiring                    | 0.75 m   |
| Wire Striplength                           | 9.0-10.0 mm  |
| Dual Fixture Master/Slave                  | Possible, lamp wires 2m max. length [ Master/ Slave operation possible]    |
| Input Terminal Cross Section               | 0.50-1.50 mm <sup>2</sup>  |
| Output Terminal Cross Section              | 0.50-1.50 mm <sup>2</sup>  |
| Cable Capacity Output Wires To Earth (Max) | 120 pF   |
| System characteristics                     |  |
| Rated Ballast-Lamp Power                   | 18 W   |
| Rated Lamp Power On TL-D                   | 18 W   |

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|                      |        |
|----------------------|--------|
| System Power On TL-D | 19.7 W |
| Lamp Power On TL-D   | 16.9 W |
| Power Loss On TL-D   | 2.8 W  |

### Temperature

|                       |       |
|-----------------------|-------|
| T-Case Lifetime (Nom) | 75 °C |
|-----------------------|-------|

### Mechanical and Housing

|         |             |
|---------|-------------|
| Housing | L 150x40x28 |
|---------|-------------|

### Emergency Operation

|                               |           |
|-------------------------------|-----------|
| Battery Voltage Lamp Ignition | 165-253 V |
|-------------------------------|-----------|

### Approval and Application

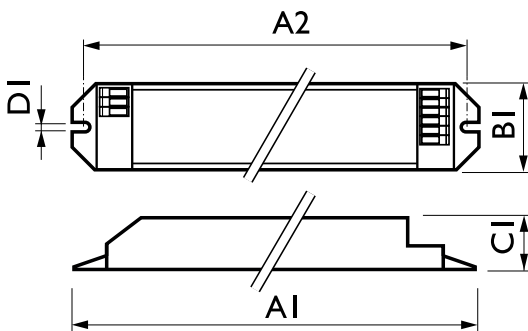
|                               |         |
|-------------------------------|---------|
| Energy Efficiency Index       | A2      |
| Overvoltage Protection 278Vac | 48 h    |
| EMI 9 kHz ... 30 MHz          | EN55015 |

|                    |                                |
|--------------------|--------------------------------|
| 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 50/60Hz | 4.2 mm | 28.0 mm | 150.0 mm | 140.0 mm | 40.0 mm |

