

# An energy-efficient solution

## EB-Certalume for TL-D lamps

EB-Certalume is the most cost-effective, slim and affordable ballast for reliable operation of a fluorescent lamp. It is also the ideal entry-level product for electromagnetic system users who want to enjoy the benefits offered by electronic ballasts. The cost-saving and reliable EB-Certalume has energy efficiency class A2, and its robust design meets all relevant international safety and performance standards. EB-Certalume is intended for use with indoor lighting fixtures such as recessed luminaires, which are widely used in office, industrial, hotel, restaurant and other applications.

### Benefits

- Automatic restart (after voltage dip or lamp replacement) ensures easy operation and hassle-free re-lamping
- DC emergency operation and EMC-compliant to EN 55015 2006 + A1 2007
- Suitable for luminaires in protection class I and, after testing, class II

### Features

- Energy efficiency: CELMA A2
- Compliant with CCC certificate, including safety according to IEC 61347
- Robust design for 20,000 hours lifetime with a failure rate of 0.3% per 1,000 hours at  $T_c \text{ max} = 75^\circ\text{C}$
- Reduced lamp preheating for min. 3,000 on/off switches on one lamp without replacement of lamps
- EMC-compliant to EN 55015 2006 + A1 2007

### Application

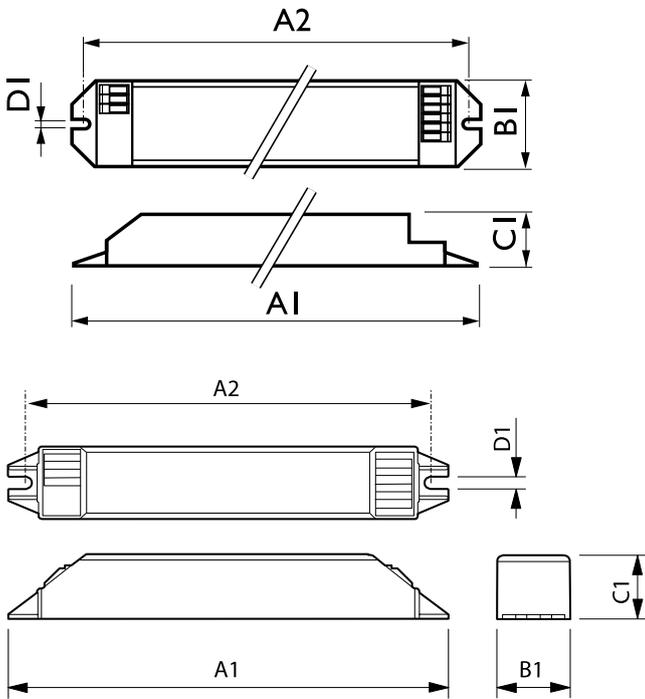
- Ideal for applications with long burning hours and infrequent on/off switching activity
- Professional indoor applications (e.g. offices and hotels), department stores, shops, supermarkets and public areas and indoor lighting boxes and homes

# EB-Certalume for TL-D lamps

## Versions



## Dimensional drawing



| Product                           | D1     | C1      | A1       | A2       | B1      |
|-----------------------------------|--------|---------|----------|----------|---------|
| EB-C 236 TL-D 220-240V<br>50/60Hz | 4.2 mm | 30.0 mm | 210.0 mm | 200.0 mm | 40.0 mm |
| 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 |
| 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 |

| Product                                     | A1     | A2     | B1    | C1    | D1     |
|---|--------|--------|-------|-------|--------|
| EB-Ci 1-2 36W / 1-4 18W 220-240V<br>50/60Hz | 210 mm | 200 mm | 30 mm | 26 mm | 4.3 mm |

### Approval and application

Energy Efficiency Index A2

### General information

Lamp Type TL-D

## Operating and electrical

| Order Code | Full Product Name                           | Input Frequency | Input Voltage |
|------------|---|-----------------|---------------|
| 13353600   | EB-Ci 1-2 36W / 1-4 18W 220-240v<br>50/60Hz | 50 or 60 Hz     | 220-240 V     |
| 85877800   | EB-C 118 TL-D 220-240V 50/60Hz              | 50 to 60 Hz     | 220 to 240 V  |

| Order Code | Full Product Name              | Input Frequency | Input Voltage |
|------------|--------------------------------|-----------------|---------------|
| 85878500   | EB-C 136 TL-D 220-240V 50/60Hz | 50 to 60 Hz     | 220 to 240 V  |
| 85880800   | EB-C 236 TL-D 220-240V 50/60Hz | 50 to 60 Hz     | 220 to 240 V  |

## EB-Certalume for TL-D lamps

### General information

| Order Code | Full Product Name                        | Number Of     | Number Of     | Number Of      |
|------------|--|---------------|---------------|----------------|
|            |  | Products On   | Products On   |                |
|            |  | MCB (16A      | MCB (16A      | Lamps          |
|            |  | Type B) (Max) | Type B) (Nom) |                |
| 13353600   | EB-Ci 1-2 36W / 1-4 18W 220-240v 50/60Hz | 28            | -             | 1-4 piece/unit |
| 85877800   | EB-C 118 TL-D 220-240V 50/60Hz           | -             | 25            | 1 piece/unit   |

| Order Code | Full Product Name              | Number Of     | Number Of     | Number Of    |
|------------|--------------------------------|---------------|---------------|--------------|
|            |                                | Products On   | Products On   |              |
|            |                                | MCB (16A      | MCB (16A      | Lamps        |
|            |                                | Type B) (Max) | Type B) (Nom) |              |
| 85878500   | EB-C 136 TL-D 220-240V 50/60Hz | -             | 18            | 1 piece/unit |
| 85880800   | EB-C 236 TL-D 220-240V 50/60Hz | -             | 28            | 2 piece/unit |

### Mechanical and housing

| Order Code | Full Product Name                        | Housing      |
|------------|--|--------------|
| 13353600   | EB-Ci 1-2 36W / 1-4 18W 220-240v 50/60Hz | L210x30x26mm |
| 85877800   | EB-C 118 TL-D 220-240V 50/60Hz           | L 150x40x28  |

| Order Code | Full Product Name              | Housing     |
|------------|--------------------------------|-------------|
| 85878500   | EB-C 136 TL-D 220-240V 50/60Hz | L 150x40x28 |
| 85880800   | EB-C 236 TL-D 220-240V 50/60Hz | L 210x40x30 |

### System characteristics

| Order Code | Full Product Name                        | Lamp Power On | Rated Ballast- |
|------------|--|---------------|----------------|
|            |  | TL-D          | Lamp Power     |
| 13353600   | EB-Ci 1-2 36W / 1-4 18W 220-240v 50/60Hz | 18.0-31.0 W   | -              |
| 85877800   | EB-C 118 TL-D 220-240V 50/60Hz           | 16.9 W        | 18 W           |

| Order Code | Full Product Name              | Lamp Power On | Rated Ballast- |
|------------|--------------------------------|---------------|----------------|
|            |                                | TL-D          | Lamp Power     |
| 85878500   | EB-C 136 TL-D 220-240V 50/60Hz | 32.6 W        | 36 W           |
| 85880800   | EB-C 236 TL-D 220-240V 50/60Hz | 61.6 W        | 36 W           |

