

An energy-efficient solution

EB-Certalume for TL-D lamps

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 Classland need to be sufficiently protected against water & dust. The installation should also be guard against any lightening surge or any other necessary electrical protection as deemed in such typical installation & application.

Benefits

- Energy-saving solution (CELMA A2)
- Long lifetime of 45,000 hours @ Ta=50 °C
- Conforming to international standards for safety and EMC

Features

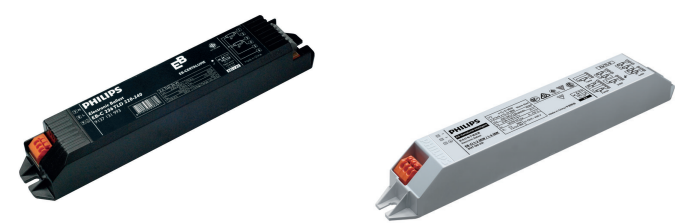
- Energy efficient CELMA A2, high power factor 0.97 with THD < 18%
- Safety according to IEC 61347-2-3, and EMC compliant with EN 55015 2006 + A1 2007
- Robust design for 45,000 hours lifetime at Ta 50 °C and avg. 6,000 on/off switches on one lamp
- Quick warm, flicker-free lamp start (< 1.0 s), no ignitor needed
- Wide voltage range for ignition and operation (165-253 V)

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

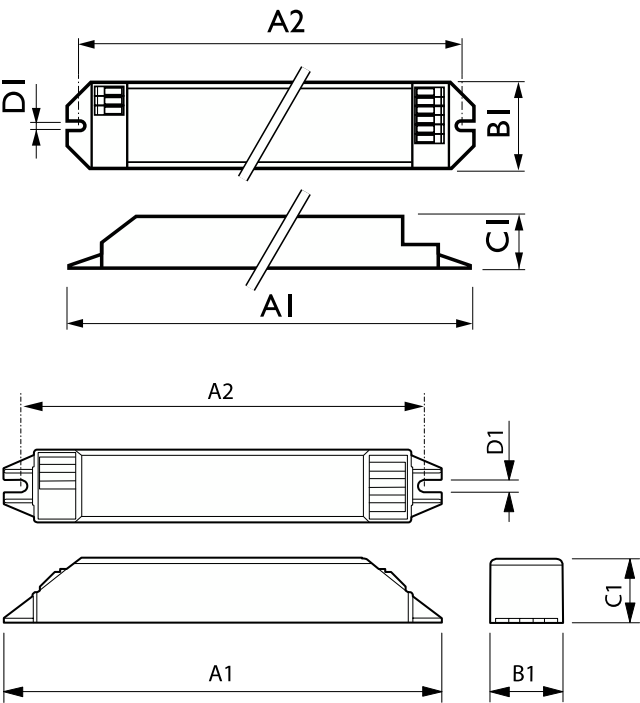
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Versions



EB-C 236, 318 TL-D 220-240V 50/60Hz EB-Ci 1-2-4 Lamp 18-36W TLD 220-240V

Dimensional drawing



| 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 |
| EB-C 136 TL-D 220-240V 50/60Hz | 4.2 mm | 28.0 mm | 150.0 mm | 140.0 mm | 40.0 mm |
| EB-C 236 TL-D 220-240V 50/60Hz | 4.2 mm | 30.0 mm | 210.0 mm | 200.0 mm | 40.0 mm |

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

Approval and Application

Energy Efficiency IndexA2

Operating and Electrical

| Order Code | Full Product Name | Input Frequency | Input Voltage | Line Frequency | Number of Products on MCB (16A | |
|--------------|--|-----------------|---------------|----------------|--------------------------------|---------------|
| | | | | | Type B) (Max) | Type B) (Nom) |
| 913713199015 | EB-C 118 TL-D 220-240V 50/60Hz | 50 to 60 Hz | 220 to 240 V | 50 to 60 Hz | - | 25 |
| 913713199215 | EB-C 136 TL-D 220-240V 50/60Hz | 50 to 60 Hz | 220 to 240 V | 50 to 60 Hz | - | 18 |
| 913713199315 | EB-C 236 TL-D 220-240V 50/60Hz | 50 to 60 Hz | 220 to 240 V | 50 to 60 Hz | - | 28 |
| 913713043180 | EB-Ci 1-2 36W / 1-4 18W 220-240V 50/60Hz | 50 or 60 Hz | 220-240 V | - | 28 | - |

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Mechanical and Housing

| Order Code | Full Product Name | Housing | Order Code | Full Product Name | Housing |
|--------------|--------------------------------|-------------|--------------|--|--------------|
| 913713199015 | EB-C 118 TL-D 220-240V 50/60Hz | L 150x40x28 | 913713199315 | EB-C 236 TL-D 220-240V 50/60Hz | L 210x40x30 |
| 913713199215 | EB-C 136 TL-D 220-240V 50/60Hz | L 150x40x28 | 913713043180 | EB-Ci 1-2 36W / 1-4 18W 220-240V 50/60Hz | L210x30x26mm |

