

# HF-Selectalume II for TL-D lamps

## HF-S 118/136 TL-D II 220-240V 50/60Hz

HF-Selectalume II TL-D is the most cost-effective, reliable and outstanding solution for fluorescent lamps. These ballasts are part of an overall high-efficiency lighting system that may help you or your customers to achieve any international or local energy code you need to comply with. HF-Selectalume II TL-D ballasts are the ideal choice for a broad range of new construction and retrofit applications within the commercial sector, including general surface mounting or office lighting, parking garages, warehouses, waterproof and other applications.

### Product data

| General Information                            |                   | Earth leakage current (max.)              |  |
|--|-------------------|---|--|
| Application code                               | II                |   | 0.5 mA   |
| Type version                                   | mk1               | Inrush current width                      | 0.35 ms  |
| Lamp type                                      | TL-D              | Ballast factor (nom.)                     | 1.05   |
| Number of lamps                                | 1 piece/unit      | Power losses (nom.)                       | 3.8 W  |
| Number of products on MCB (16 A type B) (nom.) | 28                | Inrush current peak (max.)                | 18 A   |
| Automatic restart                              | Yes               | <b>Wiring</b>                             |  |
| <b>Operating and Electrical</b>                |                   | Connector type input terminals            | WAGO 744 connector   |
| Input voltage                                  | 220 to 240 V      | Cable capacity output wires mutual (max.) | 200 pF   |
| Input frequency                                | 50 to 60 Hz       | Connector type output terminals           | WAGO 744 connector [ Suitable for manual wiring]                       |
| Operating frequency (nom.)                     | 45 kHz            | Cable length hot-wiring                   | 0.75 m   |
| Crest factor (nom.)                            | 1.7               | Wire strip length                         | 8.0-9.0 mm   |
| Power factor 100% load (nom.)                  | 0.98              | Dual fixture master/slave                 | Possible, lamp wires 2m max. length [ Master/Slave operation possible] |
| Preheat time                                   | 1.6 s             | Input terminal cross section              | 0.50-1.50 mm <sup>2</sup>  |
| Mains voltage performance (AC)                 | 202-254V-8%-+6%   | Output terminal cross section             | 0.50-1.50 mm <sup>2</sup>  |
| Mains voltage safety (AC)                      | 198-264V-10%-+10% |   |  |

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|   |        |
|---|--------|
| Cable capacity cold output wires – earth (max.) | 200 pF |
| Cable capacity hot output wires – earth (max.)  | 200 pF |

### System characteristics

|                          |        |
|--------------------------|--------|
| Rated ballast-lamp power | 36 W   |
| Rated lamp power on TL-D | 36 W   |
| System power on TL-D     | 38.8 W |
| Lamp power on TL-D       | 35 W   |
| Power loss on TL-D       | 3.8 W  |

### Temperature

|                        |        |
|------------------------|--------|
| T ambient (max.)       | 55 °C  |
| T ambient (min.)       | -20 °C |
| T storage (max.)       | 80 °C  |
| T storage (min.)       | -40 °C |
| T case lifetime (nom.) | 75 °C  |
| T-Case maximum (max.)  | 75 °C  |

### Mechanical and Housing

|         |             |
|---------|-------------|
| Housing | L 280x30x28 |
|---------|-------------|

### Emergency Operation

|                                       |              |
|---------------------------------------|--------------|
| Nominal light output after 60 seconds | 100% of EBLF |
| Normal operating voltage (DC)         | 220-240 V    |
| Battery voltage guaranteed operation  | 176-275 V    |
| Battery voltage guaranteed ignition   | 186-275 V    |

|  |             |
|--|-------------|
| Emergency ballast lumen factor (EBLF) (nom.) | 100 %       |
| Nominal light output after 5 seconds         | 50% of EBLF |

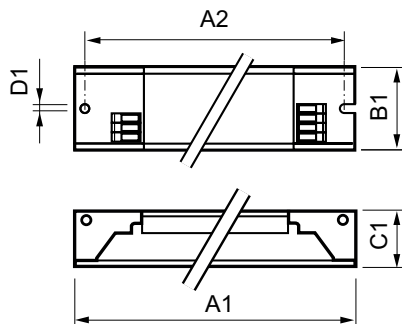
### Approval and Application

|                         |   |
|-------------------------|---|
| Energy efficiency index | A2 BAT  |
| IP classification       | IP 20 [ Ingress Protection 20]  |
| EMI 9 kHz... 30 MHz     | EN55015   |
| Vibration standard      | IEC68-2-6 F c   |
| Bumps standard          | IEC 68-2-29 Eb (10G/16ms)   |
| Approval marks          | F-Marking CE marking ENEC certificate<br>CCC certificate C-Tick certificate PSB<br>certification TISI marking SIRIM approval<br>CB Certificate CCC certificate VDE-EMV<br>certificate |
| Humming and noise level | < 30 dB(A)  |

### Product Data

|                                 |                                       |
|---------------------------------|---------------------------------------|
| Full product code               | 872790090551900                       |
| Order product name              | HF-S 118/136 TL-D II 220-240V 50/60Hz |
| EAN/UPC – product               | 8711500999290                         |
| Order code                      | 90551900                              |
| Numerator – quantity per pack   | 1                                     |
| Numerator – packs per outer box | 12                                    |
| Material no. (12NC)             | 913713032166                          |
| Net weight (piece)              | 0.200 kg                              |

## Dimensional drawing



HF-S 136 TL-D II 220-240V 50/60Hz

| Product                               | A1     | B1    | C1    | A2     | B2 | D1     |
|---------------------------------------|--------|-------|-------|--------|----|--------|
| HF-S 118/136 TL-D II 220-240V 50/60Hz | 280 mm | 30 mm | 28 mm | 265 mm |    | 4.2 mm |

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