

# HF-Selectalume II for TL-D lamps

## HF-S 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

| | |
|---|---|
| Application Code | II |
| Type Version | mk1 |
| Lamp Type | TL-D |
| Number Of Lamps | 1 piece/unit |
| Number Of Products On MCB (16A Type B) (Nom) | 28 |
| Automatic Restart | Yes |

### • Operating and Electrical

| | |
|---|---|
| Input Voltage | 220 to 240 V |
| Input Frequency | 50 to 60 Hz |
| Operating Frequency (Nom) | 45 kHz |
| Crestfactor (Nom) | 1.7 |
| Power Factor 100% Load (Nom) | 0.98 |
| Preheat Time | 1.6 s |
| Mains Voltage Performance (AC) | 202-254V-8%-+6% |
| Mains Voltage Safety (AC) | 198-264V-10%-+10% |
| Earth Leakage Current (Max) | 0.5 mA |
| Inrush Current Width | 0.35 ms |
| Ballast Factor (Nom) | 1.05 |
| Power Losses (Nom) | 3.8 W |
| Inrush Current Peak (Max) | 18 A |

### • Wiring

| | |
|---|---|
| Connector Type Input Terminals | WAGO 744 connector |
| Cable Capacity Output Wires Mutual (Max) | 200 pF |
| Connector Type Output Terminals | WAGO 744 connector [ Suitable for manual wiring] |
| Cable Length Hot Wiring | 0.75 m |
| Wire Striplength | 8.0-9.0 mm |
| Dual Fixture Master/ Slave | Possible, lamp wires 2m max. length [ Master/Slave operation possible] |
| Input Terminal Cross Section | 0.50-1.50 mm² |
| Output Terminal Cross Section | 0.50-1.50 mm² |
| 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 |

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| | |
|---|---|
| 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) | 0.7 % |
| Nominal Light Output After 5 Seconds | 50% of EBLF |

- Approval and Application

| | |
|---|---|
| Energy Efficiency Index | A2 BAT |

## Photometric data

| Ballast type | Lamp type | Lamp power | | Ta = 40°C | Ta = 50°C | Ta = 60°C |
|---|---|---|---|---|---|---|
| HF-S 136 TL-D II 220-220V 50/60Hz | TL-D General | 36W | Tc | =52°C | =62°C | =72°C |
| | | | Lifetime | 100,000 Hrs | 100,000 Hrs | 60,000 Hrs |

| | |
|---|---|
| EMI 9 kHz ... 30 MHz | EN55015 |
| Vibration Standard | IEC 68-2-6 Fc |
| Bumps Standard | IEC 68-2-29 Eb (10G/16ms) |
| Approval Marks | F-Marking<br>CE marking<br>ENEC certificate<br>CCC certificate<br>C-Tick certificate<br>PSB certification<br>TISI marking<br>SIRIM approval<br>CB Certificate<br>CCC certificate<br>VDE-EMV certificate |
| Hum And Noise Level | < 30 dB(A) |

- Product Data

| | |
|---|---|
| Full product code | 872790090551900 |
| Order product name | HF-S 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 Nr. (12NC) | 913713032166 |
| Net Weight (Piece) | 0.200 kg |

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