



HF-Selectalume II for TL5 lamps

HF-S 254 TL5 II 220-240V 50/60Hz

HF-Selectalume II TL5 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 TL5 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 | TL5 |
| Number of lamps | 2 piece/unit |
| Automatic restart | Yes |
| Operating and Electrical | |
| Input Voltage | 220 to 240 V |
| Input frequency | 50 to 60 Hz |
| Operating frequency (nom.) | 40-60 kHz |
| Crest factor (nom.) | 1.7 |
| Power factor 100% load (nom.) | 0.99 |
| 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 | 0.38 ms |

| Ballast factor (nom.) | 0.99 |
|---|--|
| Power losses (nom.) | 13.7 W |
| Inrush current peak (max.) | 28 A |
| Efficiency at full load [%] | 93.4 % |
| 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 strip length | 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 mm ² |
| Output terminal cross section | 0.50-1.50 mm ² |
| Cable capacity cold output wires – earth (max.) | 200 pF |

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| Cable capacity hot output wires – earth (max.) | 200 pF |
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System characteristics

| | |
|--------------------------|---------|
| Rated ballast-lamp power | 54 W |
| Rated lamp power on TL5 | 54 W |
| System power on TL5 | 110.9 W |
| Lamp power on TL5 | 97.2 W |
| Power loss on TL5 | 13.7 W |

Temperature

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|------------------------|--------|
| T-ambient (max.) | 50 °C |
| T-ambient (min.) | -15 °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 280x30x21 |
|---------|-------------|

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 CCC certificate C-Tick certificate PSB certification TISI marking SIRIM approval CB Certificate CCC certificate VDE-EMV certificate |
| Humming and noise level | < 30 dB(A) |

Product Data

| | |
|-----------------------------------|----------------------------------|
| Full product code | 872790090562500 |
| Order product name | HF-S 254 TL5 II 220-240V 50/60Hz |
| EAN/UPC – product | 8711500999382 |
| Order code | 90562500 |
| SAP numerator – quantity per pack | 1 |
| Numerator – packs per outer box | 12 |
| SAP material | 913713033766 |
| SAP net weight (piece) | 0.221 kg |

Dimensional drawing

A2

| Product | D1 | C1 | A1 | A2 | B1 |
|-------------------------------------|--------|---------|----------|----------|---------|
| HF-S 254 TL5 II 220-240V 50/60Hz | 4.1 mm | 21.5 mm | 360.0 mm | 350.0 mm | 30.0 mm |

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