



# HF-Selectalume II for TL5 lamps

## HF-S 154 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. The ballast is primarily designed for Indoor application. For outdoor application, the luminaire should be minimum Class II need to be sufficiently protected against water & dust. The installation should also be guard against any lightning surge or any other necessary electrical protection as deemed in such typical installation & application.

### Product data

| General information          |              | Mains Voltage Performance (AC)           |  |
|------------------------------|--------------|--|--|
| Application Code             | II           | Mains Voltage Performance (AC)           | 202-254V-8%~+6%                                  |
| Type Version                 | mk1          | Mains Voltage Safety (AC)                | 198-264V-10%~+10%                                |
| Lamp Type                    | TL5          | Earth Leakage Current (Max)              | 0.5 mA   |
| Number of Lamps              | 1 piece/unit | Inrush Current Width                     | 0.25 ms  |
| Automatic Restart            | Yes          | Ballast Factor (Nom)                     | 1.02   |
| Operating and electrical     |              | Power Losses (Nom)                       | 4.7 W  |
| Input Voltage                | 220 to 240 V | Inrush Current Peak (Max)                | 20 A   |
| Input Frequency              | 50 to 60 Hz  | Efficiency at full load [%]              | 92.51 %  |
| Operating Frequency (Nom)    | 40-60 kHz    | Wiring                                   |  |
| Crestfactor (Nom)            | 1.7          | Connector Type Input Terminals           | WAGO 744 connector                               |
| Power Factor 100% Load (Nom) | 0.98         | Cable Capacity Output Wires Mutual (Max) | 200 pF   |
| Preheat Time                 | 1.6 s        | Connector Type Output Terminals          | WAGO 744 connector [ Suitable for manual wiring] |

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|  |   |
|--|---|
| Cable Length Hot Wiring                        | 0.75 m  |
| Wire Striplength                               | 8.0-9.0 mm  |
| Dual Fixture Master/Slave                      | Possible, lamp wires 2m max. length<br>[ Master/Slave operation possible] |
| Input Terminal Cross Section                   | 0.50-1.50 mm <sup>2</sup>   |
| Output Terminal Cross Section                  | 0.50-1.50 mm <sup>2</sup>   |
| Cable Capacity Cold Output Wires - Earth (Max) | 200 pF  |
| Cable Capacity Hot Output Wires - Earth (Max)  | 200 pF  |

### System characteristics

|                          |        |
|--------------------------|--------|
| Rated Ballast-Lamp Power | 54 W   |
| Rated Lamp Power on TL5  | 54 W   |
| System Power on TL5      | 58.7 W |
| Lamp Power on TL5        | 54 W   |
| Power Loss on TL5        | 4.7 W  |

### Temperature

|                       |        |
|-----------------------|--------|
| 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<br>CCC certificate C-Tick certificate PSB<br>certification TISI marking SIRIM approval<br>CB Certificate CCC certificate VDE-EMV<br>certificate |
| Hum And Noise Level     | < 30 dB(A)  |

### Product data

|                                 |                                  |
|---------------------------------|----------------------------------|
| Full product code               | 872790090561800                  |
| Order product name              | HF-S 154 TL5 II 220-240V 50/60Hz |
| EAN/UPC - Product               | 8711500999375                    |
| Order code                      | 913713033666                     |
| Numerator - Quantity Per Pack   | 1                                |
| Numerator - Packs per outer box | 12                               |
| Material Nr. (12NC)             | 913713033666                     |
| Net Weight (Piece)              | 0.185 kg                         |

## Dimensional drawing

A2

| Product                             | D1     | C1      | A1     | A2     | B1      |
|-------------------------------------|--------|---------|--------|--------|---------|
| HF-S 154 TL5 II 220-240V<br>50/60Hz | 4.1 mm | 28.0 mm | 280 mm | 265 mm | 30.0 mm |

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