



# HF-Selectalume II for TL5 lamps

## HF-S 3/424 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                            |                   | Earth leakage current (max.)              |                                                                        |
|------------------------------------------------|-------------------|-------------------------------------------|------------------------------------------------------------------------|
| Application code                               | II                |                                           | 0.5 mA                                                                 |
| Type version                                   | mk1               | Inrush current width                      | 0.35 ms                                                                |
| Lamp type                                      | TL5               | Ballast factor (nom.)                     | 1.11                                                                   |
| Number of lamps                                | 3/4 piece/unit    | Power losses (nom.)                       | 10.5/19 W                                                              |
| Number of products on MCB (16 A type B) (nom.) | 15                | Inrush current peak (max.)                | 30 A                                                                   |
| Automatic restart                              | Yes               | Efficiency at full load [%]               | 91.1 %                                                                 |
| Operating and electrical                       |                   | Wiring                                    |                                                                        |
| Input Voltage                                  | 220 to 240 V      | Connector type input terminals            | WAGO 744 connector                                                     |
| Input frequency                                | 50 to 60 Hz       | Cable capacity output wires mutual (max.) | 120 pF                                                                 |
| Operating frequency (nom.)                     | 45 kHz            | Connector type output terminals           | WAGO 744 connector [ Suitable for manual wiring]                       |
| Crest factor (nom.)                            | 1.7               | Cable length hot-wiring                   | 0.75 m                                                                 |
| Power factor 100% load (nom.)                  | 0.98              | Wire strip length                         | 8.0-9.0 mm                                                             |
| Preheat time                                   | 1.6 s             | Dual fixture master/slave                 | Possible, lamp wires 2m max. length [ Master/Slave operation possible] |
| Mains voltage performance (AC)                 | 202-254V-8%~+6%   | Input terminal cross section              | 0.50-1.50 mm <sup>2</sup>                                              |
| Mains voltage safety (AC)                      | 198-264V-10%~+10% | Output terminal cross section             | 0.50-1.50 mm <sup>2</sup>                                              |

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|                                                 |        |
|-------------------------------------------------|--------|
| Cable capacity cold output wires – earth (max.) | 120 pF |
| Cable capacity hot output wires – earth (max.)  | 120 pF |

### System characteristics

|                          |              |
|--------------------------|--------------|
| Rated ballast-lamp power | 24 W         |
| Rated lamp power on TL5  | 24 W         |
| System power on TL5      | 79.0/104.0 W |
| Lamp power on TL5        | 68.5/85.0 W  |
| Power loss on TL5        | 10.5/19.0 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 280x39x21.5 |
|---------|---------------|

### 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 |

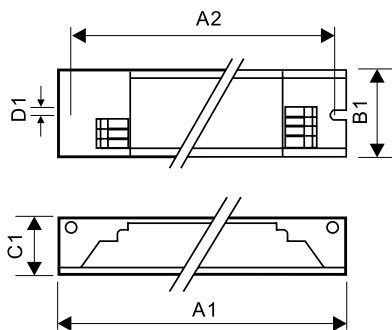
### Approval and application

|                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                 | 872790093937800                    |
| Order product name                | HF-S 3/424 TL5 II 220-240V 50/60Hz |
| EAN/UPC – product                 | 8727900939378                      |
| Order code                        | 93937800                           |
| SAP numerator – quantity per pack | 1                                  |
| Numerator – packs per outer box   | 10                                 |
| SAP material                      | 913713034666                       |
| Copy Net Weight (Piece)           | 0.245 kg                           |

## Dimensional drawing



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