



# HF-Selectalume II for TL5 lamps

## HF-S 214-35 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                               | HE II             |
| Type version                                   | -                 |
| Lamp type                                      | TL5               |
| Number of lamps                                | 2 piece/unit      |
| Number of products on MCB (16 A 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            |
| Crest factor (nom.)                            | 1.7               |
| Power factor 100% load (nom.)                  | 0.99              |
| Preheat time                                   | 0.5 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         | 0.25 ms   |
| Ballast factor (nom.)        | 1         |
| Power losses (nom.)          | 2.0-5.5 W |
| Inrush current peak (max.)   | 24 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 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              | 0.50-1.00 mm <sup>2</sup>  |
| Output terminal cross section             | 0.50-1.00 mm <sup>2</sup>  |

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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   | 14-35 W     |
| Rated lamp power on TL5 HE | 14/35 W     |
| System power on TL5 HE     | 30.5/76.5 W |
| Lamp power on TL5 HE       | 28.5/71.0 W |
| Power loss on TL5 HE       | 2.0/5.5 W   |

### Temperature

|                        |        |
|------------------------|--------|
| T-ambient (max.)       | 55 °C  |
| T-ambient (min.)       | -20 °C |
| T storage (max.)       | 50 °C  |
| T storage (min.)       | -40 °C |
| T-case lifetime (nom.) | 75 °C  |
| T-Case maximum (max.)  | 75 °C  |

### Mechanical and Housing

|         |            |
|---------|------------|
| Housing | L360x30x22 |
|---------|------------|

### 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 |

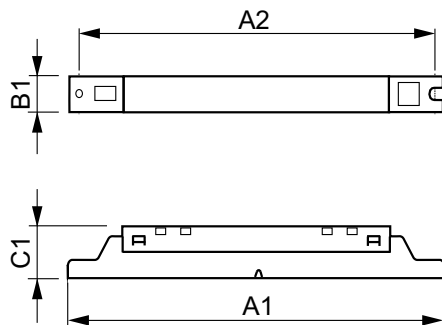
### Approval and Application

|                         |  |
|-------------------------|--|
| 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   |
| Approval marks          | CE marking ENEC certificate CCC certificate C-Tick certificate TISI marking SIRIM approval CCC certificate |
| Humming and noise level | 30 dB(A)   |

### Product Data

|                                   |                                 |
|-----------------------------------|---------------------------------|
| Full product code                 | 871829175844000                 |
| Order product name                | HF-S 2 14-35 TL5 HE II 220-240V |
| EAN/UPC – product                 | 8718291758440                   |
| Order code                        | 75844000                        |
| SAP numerator – quantity per pack | 1                               |
| Numerator – packs per outer box   | 12                              |
| SAP material                      | 913713042166                    |
| SAP net weight (piece)            | 0.245 kg                        |

## Dimensional drawing



HF-S 2 14-35 TL5 HE II 220-240V 50/60Hz

| Product                         | D1     | C1      | A1       | A2       | B1      |
|---------------------------------|--------|---------|----------|----------|---------|
| HF-S 2 14-35 TL5 HE II 220-240V | 4.2 mm | 22.0 mm | 360.0 mm | 350.0 mm | 30.0 mm |

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