

# HF-Ri TD 3 14/24 TL5 E+ 195-240V

Kod produktu: 58377



## Dane techniczne:

- Line Frequency **50/60 Hz**
- T-case maximum **75 (max) C**
- Full product code **913700679066**
- Full product name **HF-Ri TD 3 14/24 TL5 E+ 195-240V 50/60Hz**
- Order code **913700679066**
- Order product name **HF-Ri TD 3 14/24 TL5 E+ 195-240V 50/60Hz**
- Packing configuration **10**
- Pieces per pack **1**
- Bar code on outerbox - EAN3 **8718291156772**
- Bar code on pack - EAN1 **8718291156765**
- Packs per outerbox **10**
- Logistic code(s) - 12NC **913700679066**
- Net weight per piece **0.377 kg**
- Length A1 **360.0 mm**
- CE marking **Yes**
- Height C1 **22.0 mm**
- T-ambient **-25 (min), 50 (max) C**
- Width B1 **39.0 mm**
- Lifetime 90% surv.@Tcaselife **50000 hr**
- Fixing Hole Diameter D1 **4.2 mm**
- Fixing Hole Distance Length A2 **350.0 mm**
- Inrush current Peak **31 (max) A**
- Earth leakage current **0.5 (max) mA**
- Inrush current Width **0.26 ms**
- T-storage **-40 (min), 80 (max) C**
- Rated Lamptype **TL5**
- Line Voltage **195-240 V**
- Rated Ballast-Lamp Power **14/24**
- Rated Number of Lamps **3 piece**
- T-case life **75 (max) C**
- Approval marks **ENEC / VDE-EMV**
- Automatic restart **Yes**
- Energy Efficiency Index **A1 BAT**
- Housing **L 360x39x22**
- Mains voltage safety (AC) **-10%/+10%**

- Mains voltage performance (AC) **-8%/+6%**
- Ballast Lumen Factor **1.0** -
- PowerFactor 100% output power **0.95** -
- Overvoltage protection 320Vac **48 hr**
- Overvoltage protection 350Vac **2 hr**
- Crestfactor **1.7 (max)** -
- Max ballast on MCB(16A type B) **16 x**
- Cable-Cap outputwires mutual **200 (max) pF**
- Hum and Noise level **Inaudible**
- Conn.type input terminals **WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]**
- Conn.type output terminals **WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]**
- Striplength **8.0-9.0 mm**
- Dual fixture Master/Slave **Yes [Master/Slave operation possible]**
- Wcs Input terminals **0.50-1.00 mm<sup>2</sup>**
- Wcs Output terminals **0.50-1.00 mm<sup>2</sup>**
- Rated Lamp Power on TL-D **18**
- Lamp Power on TL-D **17**
- Power Loss on TL-D **6.6**
- System Power on TL-D **57.6**
- Bumps **IEC 68-2-29 Eb**
- EMI 9kHz .. 30 MHz **EN 55015**
- Vibrations **IEC 68-2-6 Fc**
- Lamp Power on TL5 **15/23.3**
- Rated Lamp Power on TL5 **14/24**
- System Power on TL5 **49.1/77.2**
- Power Loss on TL5 **4.1/7.3**
- Application code **E+**
- Interface **TD**
- Ignition Method **Warm Start**
- Ignition time **1 (max) s**
- Operating frequency **45 (min), 110 (max) kHz**
- Regulating level power **1%-100%**
- Battery voltage lamp ignition **198-254 V**
- Battery voltage running lamps **176-254**
- Control input protection **Yes (Basic insulation)**
- Conn.type ctrl input terminals **WAGO 251 universal connector [Suitable for both automatic wiring (ALF and ADS) and manual wiring]**
- Total Harmonic Distortion EUR **10 %**
- Wcs Control input terminals **0.50-1.00 mm<sup>2</sup>**
- T-ignition **-25 (min), 50 (max) C**
- Wcs auto insertion (ALF/ADS) **0.75 mm<sup>2</sup>**
- EMI 30 MHz .. 1000MHz **EN 55022 Class B**
- Performance Standard **IEC 60929**
- Safety Standard **IEC 61347-2-3**
- Environmental Standard **ISO 14001**
- Quality Standard **ISO 9000:2000**
- Harmonic current emissions **IEC 61000-3-2**
- EMC Immunity **IEC 61547**
- Humidity **EN 61347-2-3 clause 11**
- Emergency standard **IEC 60598-2-22**
- Temperature marking **110 [Yes]**
- Standby power consumption **0.25 (max) W**
- Stable lamp operation temp. **> 15°C**
- Cable-Cap outputwires to earth **200 (max) pF**

- Lamp Power on PL-L **15/22.9**
- Rated Lamp Power on PL-L **18/24**
- System Power on PL-L **50.3/75.2**
- Power Loss on PL-L **5.3/6.5**
- Rated Lamp Power on TL5 ECO **13/20**
- Lamp Power on TL5 ECO **13.6/20.1**
- Power Loss on TL5 ECO **2.7/6.2**
- Rated Lamp Power on TL-D ECO **16**
- System Power on TL5 ECO **43.5/66.5**
- Lamp Power on TL-D ECO **13.7**
- Power Loss on TL-D ECO **5.4**
- System Power on TL-D ECO **46,5**

This intelligent high-frequency electronic dimming ballast utilizes the DALI or Touch and Dim push-button protocol for fluorescent lamps. It meets A1BAT requirements, thereby pre-empting upcoming legislation. With a special command you can retrieve the system's mains power consumption, and with another you can find out which lamp wattage is connected. Combined with controls, additional energy savings can be achieved.

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## Features

HF-R Intelligent recognizes what type of lamp (T5 HE, HO, ECO, TL-D, PL-L) is connected and drives it accordingly  
 Programmed start: flicker-free ignition < 1.0 second and striation-free operation, no stroboscopic effects. Preheating the lamp electrodes enables the lamps to be switched on and off without reducing life  
 Smart power ensures constant light, independent of mains fluctuations and dimming from 1 to 100%  
 Stop circuit is activated within 5 seconds in the event of lamp failure (safety stop), and ballast resets automatically after lamp replacement  
 Programmable for intelligent functionalities via Philips MultiOne: Corridor mode, Emergency DC dim level, Burn-in time

## Applications

Indoor, general and task lighting applications in combination with lighting control systems (personal control, daylight linking and/or movement detection)

