

# HF-P 280 TL5/PL-L III 220-240V 50/60Hz

Kod produktu: 58412



## Dane techniczne:

- Line Frequency **50/60 Hz**
- T-case maximum **85 (max) C**
- Full product code **913713034366**
- Full product name **HF-P 280 TL5/PL-L III 220-240V 50/60Hz**
- Order code **913713034366**
- Order product name **HF-P 280 TL5/PL-L III 220-240V 50/60Hz**
- Packing configuration **12**
- Pieces per pack **1**
- Bar code on outerbox - EAN3 **8727900952315**
- Bar code on pack - EAN1 **8727900952308**
- Packs per outerbox **12**
- Logistic code(s) - 12NC **913713034366**
- Net weight per piece **0.360 kg**
- Length A1 **425.0 mm**
- CE marking **Yes**
- Height C1 **21.0 mm**
- T-ambient **-25 (min), 60 (max) C**
- Width B1 **30.0 mm**
- Lifetime 90% surv.@Tcaselife **50000 hr**
- Fixing Hole Diameter D1 **4.2 mm**
- Fixing Hole Distance Length A2 **415.0 mm**
- Inrush current Peak **40 (max) A**
- Earth leakage current **0.5 mA**
- Inrush current Width **0.40 ms**
- T-storage **-40 (min), 50 (max) C**
- Rated Lamptype **TL5/PL-L**
- Line Voltage **220-240 V**
- Rated Ballast-Lamp Power **80**
- Rated Number of Lamps **2 piece**
- T-case life **85 C**
- Approval marks **ENEC / VDE-EMV**
- Automatic restart **Yes**
- Energy Efficiency Index **A2 BAT**
- Housing **L 425x30x21**
- Mains voltage safety (AC) **-10%/+10%**
- Mains voltage performance (AC) **-8%/+6%**
- Ballast Lumen Factor **1.01 -**
- Power losses gear **9.64-7.45 W**
- PowerFactor 100% output power **0.99 -**
- Overvoltage protection 320Vac **48 hr**

- Overvoltage protection 350Vac 2 hr
- Crestfactor **1.7 (max)** -
- Max ballast on MCB(16A type B) **12 x**
- Cable-Cap outputwires mutual **200 pF**
- Hum and Noise level
- 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]**
- Max. cable length Hot Wires **0.75 m**
- Striplength **8.0-9.0 mm**
- Dual fixture Master/Slave **Not applicable [Master/Slave oper. not applicable]**
- Wcs Input terminals **0.50-1.00 mm<sup>2</sup>**
- Wcs Output terminals **0.50-1.00 mm<sup>2</sup>**
- Bumps **IEC 68-2-29 Eb**
- EMI 9kHz .. 30 MHz **EN 55015 edition 7.1**
- Vibrations **IEC 68-2-6 Fc**
- Lamp Power on TL5 **80**
- Rated Lamp Power on TL5 **80**
- System Power on TL5 **89.6**
- Power Loss on TL5 **9.6**
- Application code **III**
- Ignition Method **Warm Start**
- Ignition time **1.2 (max) s**
- Operating frequency **45 kHz**
- Battery voltage lamp ignition **186-275 V**
- Battery voltage running lamps **176-275**
- T-ignition **-25 (min), 60 (max) C**
- EMI 30 MHz .. 1000MHz **EN 55022 level B [Level = Class]**
- 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]**
- Cable-Cap outputwires to earth **200 pF**
- Lamp Power on PL-L **80**
- Rated Lamp Power on PL-L **80**
- System Power on PL-L **87.5**
- Power Loss on PL-L **7.5**
- Constant wattage deviation **-2%/+2%**
- Bal Lm Fac Emergency operation **0.7 -**
- Light output after 5 sec **50% of EBLF**
- Light output after 60 sec **100% of EBLF**
- Normal operating voltage (DC) **220-240 V**
- Batt volt guaranteed ignition **186-275 V**
- Batt volt guaranteed operation **176-275 V**

HF-Performer III TL5 ballasts offer maximum versatility and meet all of the necessary commercial grade specifications. They also offer the added benefits of lamp striation reduction technology, making these ballasts compatible with energy-saving TL5 ECO lamps. As such, 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-Performer III

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.

HF-Performer III TL5 ballasts offer maximum versatility and meet all of the necessary commercial grade specifications. They also offer the added benefits of lamp striation reduction technology, making these ballasts compatible with energy-saving TL5 ECO lamps. As such, 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-Performer III 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.

## Features

Highest CELMA Energy Efficiency Index A2 BAT

Complies with CE, ENEC, EL, VDE-EMC, CCC marks of conformity

Average nominal service lifetime over 100,000 hours (at Ta 50 °C) with a failure rate  $\leq 0.1$  % per 1,000 hours)

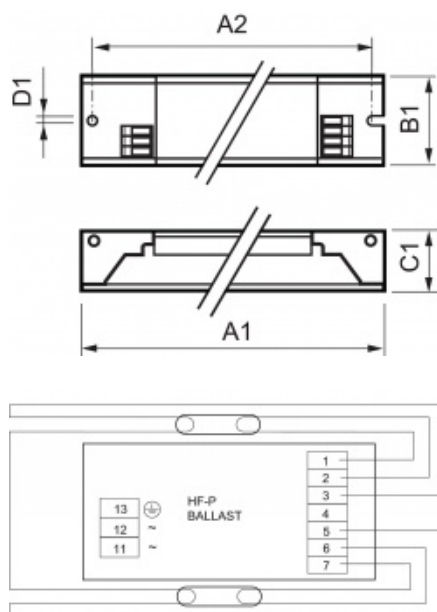
Optimized lamp preheating for over 50,000 On/Off switch operations without replacement of lamps

## Applications

Suitable for DC operation and emergency lighting installations; full compliance with requirements for emergency lighting according to EN 61347-2-3 -annex J

Extended lamp life in frequent-switching applications, e.g. where occupancy sensors or motion detectors are used

For luminaires of protection class I and protection class II used in office buildings, hospitals, supermarkets, department stores, industrial premises and schools



Ballast type	Lamp type	Lamp power	Ta = 40°C	Ta = 50°C	Ta = 60°C	Emergency Ta max = 50°C	
HF-P 180 V, 3 PL, L II 230-240 V 50/60 Hz	TL5-HD	80W	Ta	+18°C	+15°C	+18°C	X
	TL5-HD ECO	75W	Lifeless	100,000 hrs	10,000 hrs	10,000 hrs	X