

# HF-Performer II Xtreme for TL5/TL-D lamps

HF-Performer Xtreme 236 TL-D EII 220-240V 50/60Hz



Enhance the quality of applications with robust driver technology HF-Performer Xtreme is a unique X-technology from Philips that guarantees the longest lifetime and highest reliability under the harshest conditions.

## Product data

### • General Characteristics

|                              |             |
|------------------------------|-------------|
| Application code             | EII         |
| Rated Lamptype               | TL-D        |
| Rated Number of Lamps        | 2 piece     |
| Rated Ballast-Lamp Power     | 36          |
| Line Voltage                 | 220-240 V   |
| Line Frequency               | 50/60 Hz    |
| Housing                      | L 360x30x28 |
| Energy Efficiency Index      | A2          |
| Lifetime 90% surv.@Tcaselife | 100000 hr   |
| Ignition Method              | Warm Start  |

### • Operating Characteristics

|                                |              |
|--------------------------------|--------------|
| Automatic restart              | Yes          |
| Ignition time                  | 2.0 (max) s  |
| Operating frequency            | 42 (min) kHz |
| Mains voltage safety (AC)      | -10%/+10%    |
| Mains voltage performance (AC) | -8%/+6%      |
| Inrush current Peak            | 31 (max) A   |
| Inrush current Width           | 0.350 ms     |
| Earth leakage current          | 0.5 mA       |
| Power losses gear              | 8.0 W        |
| Constant wattage deviation     | -2%/+2%      |
| Ballast Lumen Factor           | 1.0 -        |
| PowerFactor 100%               | 0.96 -       |
| output power                   |              |
| Battery voltage lamp ignition  | 198 V        |

|                                |             |
|--------------------------------|-------------|
| Battery voltage running lamps  | 176-254     |
| Max ballast on MCB(16A type B) | 12 x        |
| Crestfactor                    | 1.7 (max) - |
| Hum and Noise level            | Inaudible   |
| Total Harmonic Distortion EUR  | 10 %        |

### • Wiring Characteristics

|                                 |   |
|---------------------------------|---|
| Cable-Cap output-wires to earth | 200 pF  |
| Cable-Cap output-wires mutual   | 200 pF  |
| 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  |
| Wcs Input terminals             | 0.50-1.00 mm <sup>2</sup>   |
| Wcs Output terminals            | 0.50-1.00 mm <sup>2</sup>   |
| Wcs auto insertion (ALF/ADS)    | 0.5 mm <sup>2</sup>   |

### • System Chars on driver level

|                          |    |
|--------------------------|----|
| Rated Lamp Power on TL-D | 36 |
| System Power on TL-D     | 40 |
| Lamp Power on TL-D       | 32 |
| Power Loss on TL-D       | 8  |



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## • Temperature Characteristics

|                |                       |
|----------------|-----------------------|
| T-case life    | 75 C                  |
| T-case maximum | 75 (max) C            |
| T-ignition     | -25 (min), 60 (max) C |
| T-ambient      | -25 (min), 60 (max) C |
| T-storage      | -25 (min), 80 (max) C |

## • Product Dimensions

|                         |          |
|-------------------------|----------|
| Length A1               | 360.0 mm |
| Fixing Hole Distance    | 350.0 mm |
| Length A2               |          |
| Width B1                | 30.0 mm  |
| Height C1               | 28.0 mm  |
| Fixing Hole Diameter D1 | 4.2 mm   |

## • Approval & Application Chars

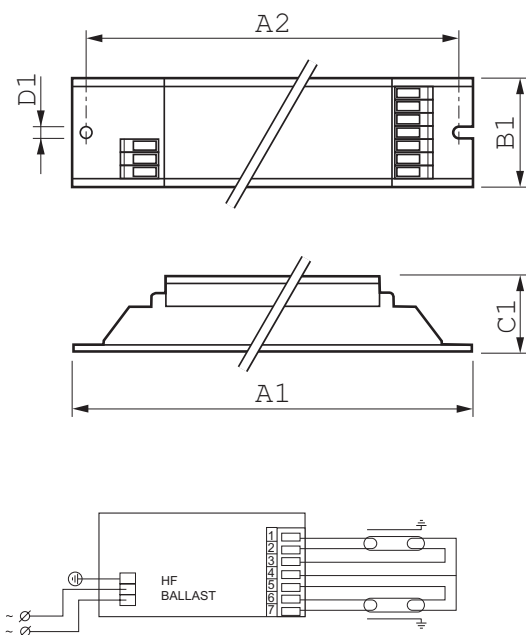
|                        |                                  |
|------------------------|----------------------------------|
| EMI 9kHz .. 30 MHz     | EN 55015                         |
| EMI 30 MHz .. 1000MHz  | EN 55022 level B [Level = Class] |
| Safety Standard        | IEC 61347-2-3                    |
| Performance Standard   | IEC 60929                        |
| Quality Standard       | ISO 9000:2000                    |
| Environmental Standard | ISO 14001                        |

|                            |                        |
|----------------------------|------------------------|
| Harmonic current emissions | IEC 61000-3-2          |
| EMC Immunity               | IEC 61547              |
| Vibrations                 | IEC 68-2-6 Fc          |
| Bumps                      | IEC 68-2-29 Eb         |
| Humidity                   | EN 61347-2-3 clause 11 |
| Approval marks             | ENEC / VDE-EMV         |
| CE marking                 | Yes                    |
| Temperature marking        | 110 [Yes]              |
| Emergency standard         | IEC 60598-2-22         |

## • Product Data

|                             |                                       |
|-----------------------------|---------------------------------------|
| Order code                  | 913700617866                          |
| Full product code           | 913700617866                          |
| Full product name           | HF-P Xt 236 TL-D EII 220-240V 50/60Hz |
| Order product name          | HF-P Xt 236 TL-D EII 220-240V 50/60Hz |
| Pieces per pack             | 1                                     |
| Packing configuration       | 12                                    |
| Packs per outerbox          | 12                                    |
| Bar code on pack - EAN1     | 8711500912022                         |
| Bar code on outerbox - EAN3 | 8711500912039                         |
| Logistic code(s) - 12NC     | 913700617866                          |
| Net weight per piece        | 0.400 kg                              |

## Dimensional drawing



## HF-Performer Xtreme 236 TL-D EII 220-240V 50/60Hz

| Product                               | A1 (Norm) | A2 (Norm) | B1 (Norm) | C1 (Norm) | D1 (Norm) |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|
| HF-P Xt 236 TL-D EII 220-240V 50/60Hz | 360.0     | 350.0     | 30.0      | 28.0      | 4.2       |



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data subject to change