



Trueforce CorePro LED HPL

TForce Core LED HPL 18W E27 840 FR

Philips TrueForce Core LED HPL lamps are an easy, LED solution with a short pay-back to replace High-Intensity Discharge (HID) lamps. This new generation of LED Core post-top lamps brings all the energy-efficiency and long-lifetime benefits of LED-to-HID replacement, while delivering instant saving for a low initial investment. Furthermore, TrueForce CorePro LED HPL lamps are designed to have the same lamp size and light distribution as their HID alternatives. And thanks to our high-power LED filament technology, you'll never know the difference. Plus, their unique IP65 design means that TrueForce Core LED HPL Post-Top lamps can be used for outdoor, as well as indoor applications.

Warnings and Safety

• Installation must always be performed by a qualified electrician or installer. Use the installation guide for instructions.

Product data

| General Information | | Colour designation | |
|----------------------------|--------------------|--|-----------------|
| Cap base | E27 | Colour designation | Cool White (CW) |
| Nominal lifetime | 25,000 h | Correlated Colour Temperature | 4000 K |
| Switching Cycle | 15,000 | Luminous efficacy (rated) (nom.) | 166 lm/W |
| Lighting Technology | LED | Colour consistency | <6 |
| Flux measurement reference | Sphere | Colour rendering index (CRI) | 80 |
| CE mark | Yes | LLMF at end of nominal lifetime (nom.) | 0.7 % |
| EU RoHS compliant | Yes | Flickering value (PstLM) | 1 |
| | | Stroboscopic effect | 1.6 |
| | | Photobiological safety according to EN 62471 | RG1 |
| Light Technical | | Operating and Electrical | |
| Colour Code | 840 [CCT of 4000K] | Line Frequency | 50 to 60 Hz |
| Beam angle (nom.) | 300 degree(s) | Input frequency | 50 to 60 Hz |
| Luminous Flux | 3,000 lm | | |

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|---|-----------|
| Power Consumption | 18 W |
| Lamp current (nom.) | 170 mA |
| Starting time (nom.) | 0.5 s |
| Warm-up time to 60% light | 0.5 s |
| Power Factor (Fraction) | 0.5 |
| Voltage (nom.) | 220-240 V |
| Inrush current at mains | 26 |
| Max. lamp no. on MCB B type 10A — Mains | 7 |
| Max. lamp no. on MCB B type 10A — EM ballast without Comp. Cap. | - |
| Max. lamp no. on MCB B type 10A — EM ballast with Comp. Cap. | - |
| Max. lamp no. on MCB B type 16A — Mains | 12 |
| Max. lamp no. on MCB B type 16A — EM ballast without Comp. Cap. | - |
| Max. lamp no. on MCB B type 16A — EM ballast with Comp. Cap. | - |
| Ballast Compatibility | Mains |

Temperature

| | |
|---------------------------|---------------|
| Ambient temperature range | -30 to +45 °C |
| T-Case maximum (nom.) | 50.4 °C |

Controls and Dimming

| | |
|----------|----|
| Dimmable | No |
|----------|----|

Mechanical and Housing

| | |
|-------------|---------|
| Lamp Finish | Frosted |
| Bulb shape | ED75 |

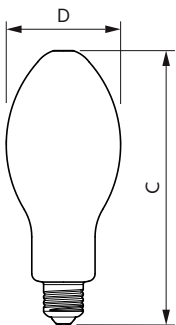
Approval and Application

| | |
|------------------------------------|--------|
| Energy Efficiency Class | C |
| Energy consumption kWh/1,000 hours | 18 kWh |
| EPREL registration number | 403621 |

Product Data

| | |
|-----------------------------------|------------------------------------|
| Order product name | TForce Core LED HPL 18W E27 840 FR |
| Full product name | TForce Core LED HPL 18W E27 840 FR |
| Full EOC | 871869975031200 |
| Order code | 75031200 |
| Material no. (12 NC) | 929002350002 |
| SAP numerator – quantity per pack | 1 |
| EAN/UPC – Product/Case | 8718699750312 |
| Numerator – packs per outer box | 6 |
| EAN/UPC - Case | 8718699750329 |

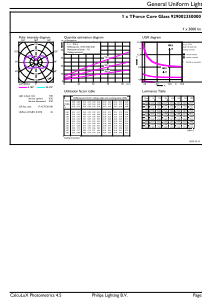
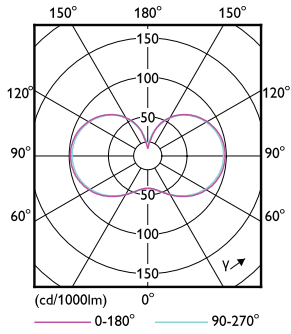
Dimensional drawing



| Product | D | C |
|------------------------------------|-------|--------|
| TForce Core LED HPL 18W E27 840 FR | 75 mm | 180 mm |

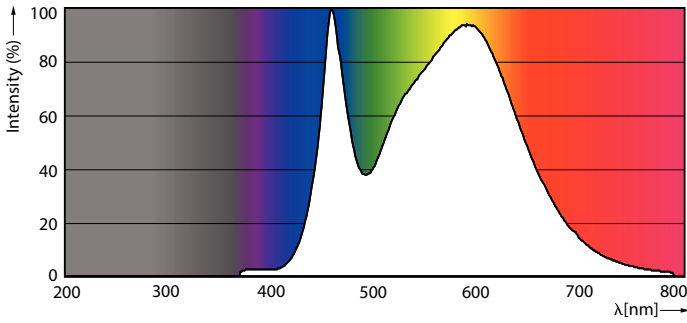
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Photometric data



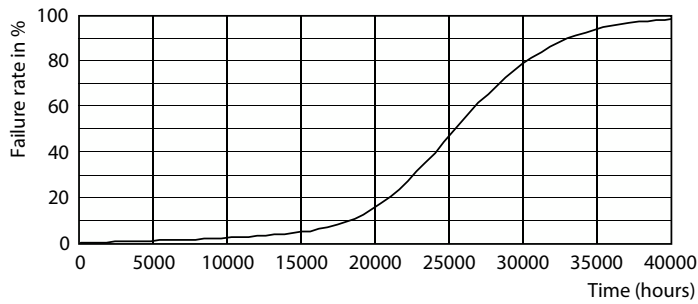
Light Distribution Diagram - TForce Core LED HPL 18W E27 840 FR

General uniform lighting - TForce Core LED HPL 18W E27 840 FR

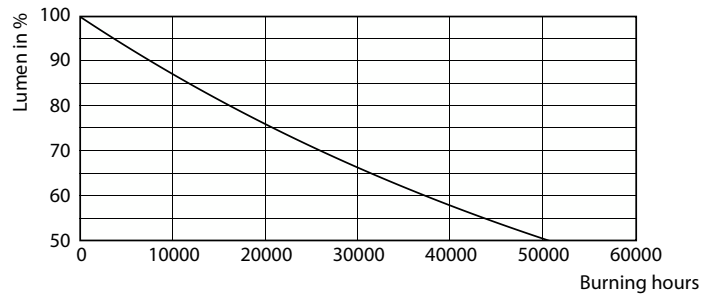


Spectral Power Distribution Colour - TForce Core LED HPL 18W E27 840 FR

Lifetime



Life Expectancy Diagram - TForce Core LED HPL 18W E27 840 FR



Lumen Maintenance Diagram - TForce Core LED HPL 18W E27 840 FR

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