



# TrueForce - LED HID HPL

## TrueForce LED HPL ND 28-25W E27 730 FR

Philips TrueForce LED lamps provide an easy LED solution with a fast payback to replace High-Intensity Discharge (HID) and High Pressure Sodium (SON) lamps. These post-top lamps bring the energy efficiency and long lifetime benefits of LED to HID replacement, delivering instant savings for a low initial investment. With the right lamp size and light distribution, customers can easily retrofit TrueForce LED lamps into their existing HPL and SON system, thereby enhancing the light quality with LED HID, without having to change the fixtures or sacrifice the light effect.

### Warnings and Safety

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

### Product data

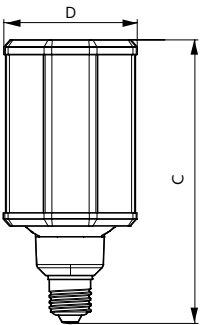
| General Information                |                    | Color rendering index (CRI)                |             |
|------------------------------------|--------------------|--------------------------------------------|-------------|
| Cap-Base                           | E27 [E27]          | 70                                         |             |
| Nominal lifetime                   | 50,000 hour(s)     | LLMF At End Of Nominal Lifetime (Nom) 70 % |             |
| Switching Cycle                    | 50,000             |                                            |             |
| Lighting Technology                | LED                |                                            |             |
| EU RoHS compliant                  | Yes                |                                            |             |
| Light Technical                    |                    | Operating and Electrical                   |             |
| Color Code                         | 730 [CCT of 3000K] | Line Frequency                             | 50 to 60 Hz |
| Beam Angle (Nom)                   | 360 degree(s)      | Input Frequency                            | 50 to 60 Hz |
| Luminous Flux                      | 2,800 lm           | Power Consumption                          | 25 W        |
| Color Designation                  | White (WH)         | Lamp Current (Nom)                         | 135 mA      |
| Correlated Color Temperature (Nom) | 3000 K             | Starting Time (Nom)                        | 0.5 s       |
| Luminous Efficacy (rated) (Nom)    | 112.00 lm/W        | Warm-up time to 60% light                  | 0.5 s       |
| Color Consistency                  | <6                 | Power Factor (Fraction)                    | 0.91        |
|                                    |                    | Voltage (Nom)                              | 220-240 V   |

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|                               |         |
|-------------------------------|---------|
| Temperature                   |         |
| T-Case Maximum (Nom)          | 70 °C   |
| Controls and Dimming          |         |
| Dimmable                      | No      |
| Mechanical and Housing        |         |
| Bulb Finish                   | Frosted |
| Bulb Shape                    | Others  |
| Approval and Application      |         |
| Energy Consumption kWh/1000 h | 25 kWh  |

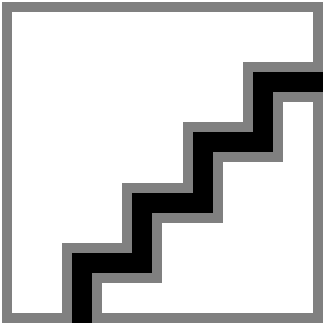
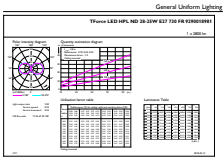
|                                 |                                        |
|---------------------------------|----------------------------------------|
| Product Data                    |                                        |
| Order product name              | TForce LED HPL ND 28-25W E27 730 FR    |
| Full product name               | TrueForce LED HPL ND 28-25W E27 730 FR |
| Full product code               | 871869681109200                        |
| Order code                      | 81109200                               |
| Material Nr. (12NC)             | 929001898102                           |
| Numerator - Quantity Per Pack   | 1                                      |
| EAN/UPC - Product/Case          | 8718696811092                          |
| Numerator - Packs per outer box | 6                                      |
| EAN/UPC - Case                  | 8718696811108                          |

Dimensional drawing



| Product                             | D     | C      |
|-------------------------------------|-------|--------|
| TForce LED HPL ND 28-25W E27 730 FR | 84 mm | 178 mm |

Photometric data

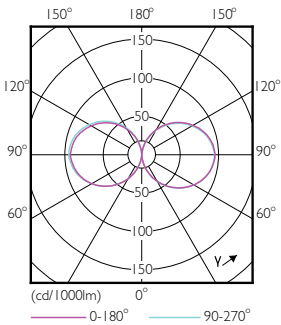


General uniform lighting - TForce LED HPL ND 28-25W E27 730 FR

Spectral Power Distribution Colour - TForce LED HPL ND 28-25W E27 730 FR

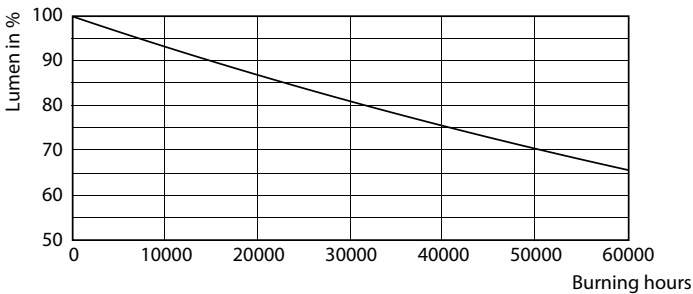
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Photometric data

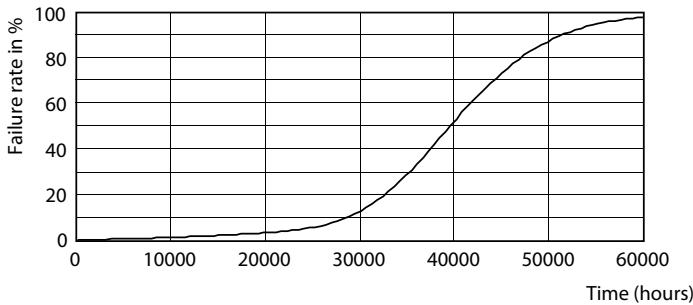


Light Distribution Diagram - TForce LED HPL ND 28-25W E27 730 FR

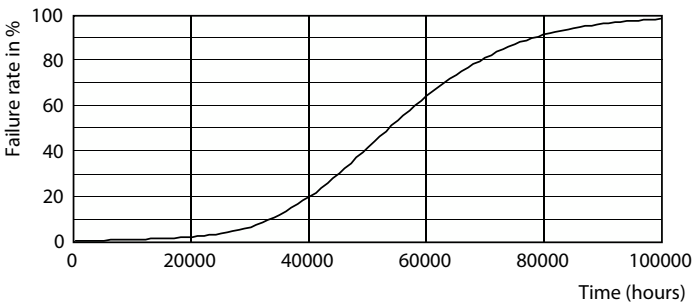
Lifetime



Lumen Maintenance Diagram - TForce LED HPL ND 28-25W E27 730 FR



Life Expectancy Diagram - TForce LED HPL ND 28-25W E27 730 FR



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