



# For your everyday lighting jobs, the new LED HPL solution for HID lamp replacement

## Trueforce CorePro LED HPL

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.

### Benefits

- A similar look and feel to conventional HID SON/HPL lamps
- Perfect fit in HID luminaires with mains connection
- IP65 design suitable for outdoor applications with IP-rated base caps

### Features

- High-power LED filament technology
- Frosted glass finish, uniform light distribution
- Compact size
- IP65 design
- 2 KV surge protection

# Trueforce CorePro LED HPL

## Application

- Road and Street
- Car parks
- Parks and squares

## Warnings and Safety

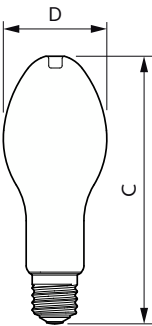
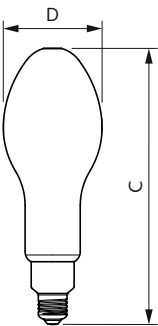
- Installation must always be performed by a qualified electrician or installer. Use the installation guide for instructions.

## Versions



LEDTForce ED90 E40

## Dimensional drawing

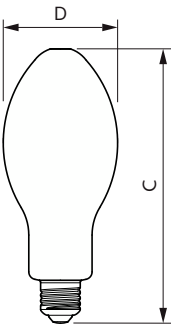


| Product                            | D     | C      |
|------------------------------------|-------|--------|
| TForce Core LED HPL 26W E27 830 FR | 90 mm | 245 mm |
| TForce Core LED HPL 26W E27 840 FR | 90 mm | 245 mm |
| TForce Core LED HPL 36W E27 830 FR | 90 mm | 245 mm |
| TForce Core LED HPL 36W E27 840 FR | 90 mm | 245 mm |

| Product                            | D     | C      |
|------------------------------------|-------|--------|
| TForce Core LED HPL 36W E40 830 FR | 90 mm | 230 mm |
| TForce Core LED HPL 36W E40 840 FR | 90 mm | 230 mm |

# Trueforce CorePro LED HPL

## Dimensional drawing



| Product                            | D     | C      |
|------------------------------------|-------|--------|
| TForce Core LED HPL 13W E27 830 FR | 75 mm | 180 mm |
| TForce Core LED HPL 13W E27 840 FR | 75 mm | 180 mm |
| TForce Core LED HPL 18W E27 830 FR | 75 mm | 180 mm |
| TForce Core LED HPL 18W E27 840 FR | 75 mm | 180 mm |

| General Information          |               |
|------------------------------|---------------|
| Switching Cycle              | 15,000        |
| Nominal lifetime             | 25,000 h      |
| Light Technical              |               |
| Beam angle (nom.)            | 300 degree(s) |
| Colour rendering index (CRI) | 80            |
| Operating and Electrical     |               |
| Input frequency              | 50 to 60 Hz   |
| Line Frequency               | 50 to 60 Hz   |
| Starting time (nom.)         | 0.5 s         |
| Temperature                  |               |
| Ambient temperature range    | -30 to +45 °C |
| Controls and Dimming         |               |
| Dimmable                     | No            |
| Mechanical and Housing       |               |
| Lamp Finish                  | Frosted       |

## General Information

| Order Code | Full Product Name                  | Cap base |
|------------|------------------------------------|----------|
| 75025100   | TForce Core LED HPL 13W E27 830 FR | E27      |
| 75027500   | TForce Core LED HPL 13W E27 840 FR | E27      |
| 75029900   | TForce Core LED HPL 18W E27 830 FR | E27      |
| 75031200   | TForce Core LED HPL 18W E27 840 FR | E27      |
| 75033600   | TForce Core LED HPL 26W E27 830 FR | E27      |
| 75035000   | TForce Core LED HPL 26W E27 840 FR | E27      |
| 29927600   | TForce Core LED HPL 36W E27 830 FR | E27      |
| 29929000   | TForce Core LED HPL 36W E27 840 FR | E27      |
| 29931300   | TForce Core LED HPL 36W E40 830 FR | E40      |
| 29933700   | TForce Core LED HPL 36W E40 840 FR | E40      |

## Light Technical

| Order Code | Full Product Name                  | Correlated         |             | LLMF at end of nominal lifetime (nom.) | Luminous Flux |
|------------|------------------------------------|--------------------|-------------|----------------------------------------|---------------|
|            |                                    | Colour Temperature | Colour Code |                                        |               |
| 75025100   | TForce Core LED HPL 13W E27 830 FR | 3000 K             | 830         | 0.7 %                                  | 2,000 lm      |
| 75027500   | TForce Core LED HPL 13W E27 840 FR | 4000 K             | 840         | 0.7 %                                  | 2,000 lm      |
| 75029900   | TForce Core LED HPL 18W E27 830 FR | 3000 K             | 830         | 0.7 %                                  | 3,000 lm      |

| Order Code | Full Product Name                  | Correlated         |             | LLMF at end of nominal lifetime (nom.) | Luminous Flux |
|------------|------------------------------------|--------------------|-------------|----------------------------------------|---------------|
|            |                                    | Colour Temperature | Colour Code |                                        |               |
| 75031200   | TForce Core LED HPL 18W E27 840 FR | 4000 K             | 840         | 0.7 %                                  | 3,000 lm      |
| 75033600   | TForce Core LED HPL 26W E27 830 FR | 3000 K             | 830         | 0.7 %                                  | 4,000 lm      |
| 75035000   | TForce Core LED HPL 26W E27 840 FR | 4000 K             | 840         | 0.7 %                                  | 4,000 lm      |

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| Order Code | Full Product Name                  | Correlated  |        | LLMF at end of nominal lifetime | Luminous Flux |
|------------|------------------------------------|-------------|--------|---------------------------------|---------------|
|            |                                    | Colour      | Colour |                                 |               |
|            |                                    | Temperature | Code   |                                 |               |
| 29927600   | TForce Core LED HPL 36W E27 830 FR | 3000 K      | 830    | 70 %                            | 5,500 lm      |
| 29929000   | TForce Core LED HPL 36W E27 840 FR | 4000 K      | 840    | 70 %                            | 6,000 lm      |

| Order Code | Full Product Name                  | Correlated  |        | LLMF at end of nominal lifetime | Luminous Flux |
|------------|------------------------------------|-------------|--------|---------------------------------|---------------|
|            |                                    | Colour      | Colour |                                 |               |
|            |                                    | Temperature | Code   |                                 |               |
| 29931300   | TForce Core LED HPL 36W E40 830 FR | 3000 K      | 830    | 70 %                            | 5,500 lm      |
| 29933700   | TForce Core LED HPL 36W E40 840 FR | 4000 K      | 840    | 70 %                            | 6,000 lm      |

Operating and Electrical

| Order Code | Full Product Name                  | Power Consumption |
|------------|------------------------------------|-------------------|
| 75025100   | TForce Core LED HPL 13W E27 830 FR | 13 W              |
| 75027500   | TForce Core LED HPL 13W E27 840 FR | 13 W              |
| 75029900   | TForce Core LED HPL 18W E27 830 FR | 18 W              |
| 75031200   | TForce Core LED HPL 18W E27 840 FR | 18 W              |
| 75033600   | TForce Core LED HPL 26W E27 830 FR | 26 W              |

| Order Code | Full Product Name                  | Power Consumption |
|------------|------------------------------------|-------------------|
| 75035000   | TForce Core LED HPL 26W E27 840 FR | 26 W              |
| 29927600   | TForce Core LED HPL 36W E27 830 FR | 36 W              |
| 29929000   | TForce Core LED HPL 36W E27 840 FR | 36 W              |
| 29931300   | TForce Core LED HPL 36W E40 830 FR | 36 W              |
| 29933700   | TForce Core LED HPL 36W E40 840 FR | 36 W              |

Temperature

| Order Code | Full Product Name                  | T-Case maximum (nom.) |
|------------|------------------------------------|-----------------------|
| 75025100   | TForce Core LED HPL 13W E27 830 FR | 42 °C                 |
| 75027500   | TForce Core LED HPL 13W E27 840 FR | 42 °C                 |
| 75029900   | TForce Core LED HPL 18W E27 830 FR | 50.4 °C               |
| 75031200   | TForce Core LED HPL 18W E27 840 FR | 50.4 °C               |
| 75033600   | TForce Core LED HPL 26W E27 830 FR | 54 °C                 |

| Order Code | Full Product Name                  | T-Case maximum (nom.) |
|------------|------------------------------------|-----------------------|
| 75035000   | TForce Core LED HPL 26W E27 840 FR | 54 °C                 |
| 29927600   | TForce Core LED HPL 36W E27 830 FR | 59 °C                 |
| 29929000   | TForce Core LED HPL 36W E27 840 FR | 59 °C                 |
| 29931300   | TForce Core LED HPL 36W E40 830 FR | 59 °C                 |
| 29933700   | TForce Core LED HPL 36W E40 840 FR | 59 °C                 |

Mechanical and Housing

| Order Code | Full Product Name                  | Bulb shape |
|------------|------------------------------------|------------|
| 75025100   | TForce Core LED HPL 13W E27 830 FR | ED75       |
| 75027500   | TForce Core LED HPL 13W E27 840 FR | ED75       |
| 75029900   | TForce Core LED HPL 18W E27 830 FR | ED75       |
| 75031200   | TForce Core LED HPL 18W E27 840 FR | ED75       |
| 75033600   | TForce Core LED HPL 26W E27 830 FR | ED90       |

| Order Code | Full Product Name                  | Bulb shape |
|------------|------------------------------------|------------|
| 75035000   | TForce Core LED HPL 26W E27 840 FR | ED90       |
| 29927600   | TForce Core LED HPL 36W E27 830 FR | ED90       |
| 29929000   | TForce Core LED HPL 36W E27 840 FR | ED90       |
| 29931300   | TForce Core LED HPL 36W E40 830 FR | ED90       |
| 29933700   | TForce Core LED HPL 36W E40 840 FR | ED90       |

Approval and Application

| Order Code | Full Product Name                  | Energy consumption kWh/1,000 hours |
|------------|------------------------------------|------------------------------------|
|            |                                    |                                    |
| 75025100   | TForce Core LED HPL 13W E27 830 FR | 13 kWh                             |
| 75027500   | TForce Core LED HPL 13W E27 840 FR | 13 kWh                             |
| 75029900   | TForce Core LED HPL 18W E27 830 FR | 18 kWh                             |
| 75031200   | TForce Core LED HPL 18W E27 840 FR | 18 kWh                             |
| 75033600   | TForce Core LED HPL 26W E27 830 FR | 26 kWh                             |
| 75035000   | TForce Core LED HPL 26W E27 840 FR | 26 kWh                             |
| 29927600   | TForce Core LED HPL 36W E27 830 FR | 36 kWh                             |
| 29929000   | TForce Core LED HPL 36W E27 840 FR | 36 kWh                             |
| 29931300   | TForce Core LED HPL 36W E40 830 FR | 36 kWh                             |

| Order Code | Full Product Name                  | Energy consumption kWh/1,000 hours |
|------------|------------------------------------|------------------------------------|
|            |                                    |                                    |
| 29933700   | TForce Core LED HPL 36W E40 840 FR | 36 kWh                             |

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