



The best LED solution for High-Intensity Discharge (HID) lamp replacement

TrueForce LED Public (Road – SON)

Philips TrueForce LED road lamps offer an easy and short payback LED solution to replace High Intensity Discharge (HID) lamps. The products bring the energy-efficiency and long lifetime benefits of LED to HID replacement and provide instant saving and low initial investment. With the right lamp size and light distribution, you can easily retrofit TrueForce LED road lamps into the existing systems without changing the luminaire's ballast or reflector while enhancing the lighting quality.

Benefits

- Cost saving with short payback time
- Low initial investment
- Enhance lighting quality with easy adoption

Features

- High energy-efficiency
- Lifetime 50,000 hrs
- The right lamp size and lighting distribution for direct retrofitting
- Direct LED replacement solution without changing the luminaire
- Pleasant white light with CRI 70

Application

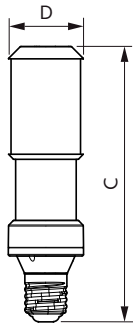
- Public urban – streets, parks, squares
- Public road/area – streets, area

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Versions



Dimensional drawing



| Product | D | C |
|------------------------------------|-------|--------|
| TrueForce LED Road 120-68W E40 740 | 71 mm | 262 mm |
| TrueForce LED Road 112-68W E40 730 | 71 mm | 262 mm |
| TrueForce LED Road 90-55W E40 740 | 71 mm | 262 mm |

Controls and Dimming

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

Operating and Electrical

| | |
|---------------------|-------|
| Input Frequency | 50 Hz |
| Starting Time (Nom) | 0.5 s |

General Information

| | |
|------------------------|---------|
| Cap-Base | E40 |
| Nominal Lifetime (Nom) | 50000 h |
| Switching Cycle | 50,000X |

Light Technical

| | |
|---------------------------------------|------|
| Colour Rendering Index (Nom) | 70 |
| Llmf At End Of Nominal Lifetime (Nom) | 70 % |

Mechanical and Housing

| | |
|-------------|--------|
| Bulb Finish | Clear |
| Bulb Shape | Others |

Approval and Application

| Order Code | Full Product Name | Energy Consumption kWh/1000 h |
|------------|------------------------------------|-------------------------------|
| 63906800 | TrueForce LED Road 90-55W E40 740 | 55 kWh |
| 63908200 | TrueForce LED Road 112-68W E40 730 | 68 kWh |
| 63910500 | TrueForce LED Road 120-68W E40 740 | 68 kWh |

Operating and Electrical

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| Order Code | Full Product Name | Voltage (Nom) | Wattage Equivalent | Power (Rated) (Nom) |
|------------|------------------------------------|---------------|--------------------|---------------------|
| 63906800 | TrueForce LED Road 90-55W E40 740 | 88-98 V | 100 W | 55 W |
| 63908200 | TrueForce LED Road 112-68W E40 730 | 80-90 V | - | 68 W |

| Order Code | Full Product Name | Voltage (Nom) | Wattage Equivalent | Power (Rated) (Nom) |
|------------|------------------------------------|---------------|--------------------|---------------------|
| 63910500 | TrueForce LED Road 120-68W E40 740 | 80-90 V | - | 68 W |

Light Technical

| Order Code | Full Product Name | Colour Code | Correlated Colour Temperature (Nom) | Luminous Flux (Nom) |
|------------|------------------------------------|-------------|-------------------------------------|---------------------|
| 63906800 | TrueForce LED Road 90-55W E40 740 | 740 | 4000 K | 9000 lm |
| 63908200 | TrueForce LED Road 112-68W E40 730 | 730 | 3000 K | 11200 lm |

| Order Code | Full Product Name | Colour Code | Correlated Colour Temperature (Nom) | Luminous Flux (Nom) |
|------------|------------------------------------|-------------|-------------------------------------|---------------------|
| 63910500 | TrueForce LED Road 120-68W E40 740 | 740 | 4000 K | 12000 lm |

Temperature

| Order Code | Full Product Name | T-Case Maximum (Nom) |
|------------|------------------------------------|----------------------|
| 63906800 | TrueForce LED Road 90-55W E40 740 | 97 °C |
| 63908200 | TrueForce LED Road 112-68W E40 730 | 103 °C |
| 63910500 | TrueForce LED Road 120-68W E40 740 | 103 °C |

