PHILIPS

Lighting



# The perfect fit LED solution for SOX system retrofit

## TrueForce LED Public (Road/Area – SOX)

Philips TrueForce LED Public (Road/Area – SOX) offers an easy and short payback LED solution to replace SOX systems. These lamps bring the LED benefits of energy efficiency and long lifetime to HID replacement. They also come with a low initial investment to ensure instant savings. With the right lamp size, cap and light distribution, you can easily retrofit the traditional SOX system with TrueForce LED SOX lamp thereby enhancing the light quality with comfort and safety without having to replace the fixtures or sacrifice the light effect.

### Benefits

- Cost savings ensure a quick payback
- Low initial investment
- Enhance lighting quality for comfort and safety

### Features

- High energy efficiency and long lifetime 50,000hrs
- Same lamp size and cap as SOX for direct retrofit
- Direct LED replacement solution without replacing the fixture
- Pleasant white light with CRI 80

### Application

- Road and Street
- Tunnel

### Warnings and Safety

- Please refer to the installation guide or consult a Philips Lighting representative for wiring diagram and instructions.

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## Versions

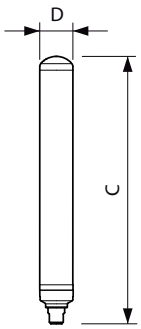


B22 T-shape



B22 Others Frosted

## Dimensional drawing




| Product | D | C |
|---|---|---|
| TrueForce LED SOX 18W B22 840 FR | 52 mm | 312 mm |
| TrueForce LED SOX 28W B22 840 FR | 52 mm | 425 mm |
| TrueForce LED SOX 36W B22 840 FR | 52 mm | 425 mm |

# TrueForce LED Public (Road/Area – SOX)

| Controls and dimming | |
|---|---|
| **Dimmable** | No |

| Operating and electrical | |
|---|---|
| **Input Frequency** | 50 to 60 Hz |
| **Voltage (Nom)** | 100-240 V |
| **Starting Time (Nom)** | 0.5 s |

| General information | |
|---|---|
| **Cap-Base** | B22 |
| **Nominal Lifetime (Nom)** | 50000 h |
| **Switching Cycle** | 50000 |

| Light technical | |
|---|---|
| **Beam Angle (Nom)** | 230 ° |
| **Color Code** | 840 |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Color Rendering Index (Nom)** | 80 |
| **Llmf At End Of Nominal Lifetime (Nom)** | 70 % |

| Mechanical and housing | |
|---|---|
| **Bulb Shape** | T-shape |

| Temperature | |
|---|---|
| **T-Ambient (Max)** | 45 °C |
| **T-Ambient (Min)** | -20 °C |

## Approval and application

| Order Code | Full Product Name | Energy Consumption kWh/1000 h |
|---|---|---|
| 929002496802 | TrueForce LED SOX 18W B22 840 FR | 18 kWh |
| 929002496902 | TrueForce LED SOX 28W B22 840 FR | 28 kWh |
| 929002497002 | TrueForce LED SOX 36W B22 840 FR | 36 kWh |

## Operating and electrical

| Order Code | Full Product Name | Wattage Equivalent | Power (Nom) |
|---|---|---|---|
| 929002496802 | TrueForce LED SOX 18W B22 840 FR | 26 W | 18 W |
| 929002496902 | TrueForce LED SOX 28W B22 840 FR | 36 W | 28 W |

| Order Code | Full Product Name | Wattage Equivalent | Power (Nom) |
|---|---|---|---|
| 929002497002 | TrueForce LED SOX 36W B22 840 FR | 55 W | 36 W |

## Light technical

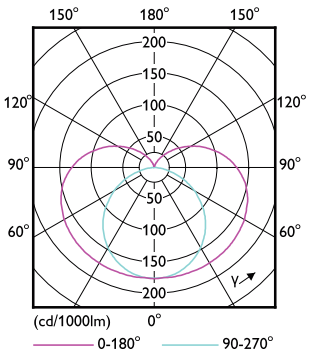
| Order Code | Full Product Name | Luminous Flux (Nom) |
|---|---|---|
| 929002496802 | TrueForce LED SOX 18W B22 840 FR | 2500 lm |
| 929002496902 | TrueForce LED SOX 28W B22 840 FR | 4000 lm |

| Order Code | Full Product Name | Luminous Flux (Nom) |
|---|---|---|
| 929002497002 | TrueForce LED SOX 36W B22 840 FR | 5000 lm |

## Temperature

| Order Code | Full Product Name | T-Case Maximum (Nom) |
|---|---|---|
| 929002496802 | TrueForce LED SOX 18W B22 840 FR | 63 °C |
| 929002496902 | TrueForce LED SOX 28W B22 840 FR | 65 °C |
| 929002497002 | TrueForce LED SOX 36W B22 840 FR | 67 °C |

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