



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 efficient lamps
- Long lifetime – 50,000 hrs
- Surge protection 6KV
- Pleasant white light with CRI 70
- Omnidirectional light around lamp
- Right lamp size and lighting distribution with same end cap as conventional SOX
- Additional energy saving by direct mains connection
- IP60 product (IP rated sockets required for outdoor application)

Application

- Road and Street
- Tunnel

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Warnings and Safety

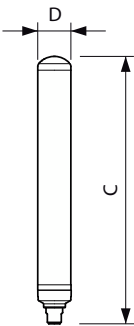
• Please refer to the installation guide or consult a Philips Lighting representative for wiring diagram and instructions.

Versions



LEDTForce SOX Tshape B22

Dimensional drawing



Product	D	C
MAS LED SOX M 2.5Klm 18W 840 B22 FR	52 mm	312 mm
MAS LED SOX M 4Klm 28W 840 B22 FR	52 mm	425 mm
MAS LED SOX M 5Klm 36W 840 B22 FR	52 mm	425 mm

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General Information	
Cap base	B22
Switching Cycle	50,000
Nominal lifetime	50,000 h
Light Technical	
Beam angle (nom.)	230 degree(s)
Correlated Colour Temperature (Nom)	4000 K
Colour rendering index (CRI)	80
Colour Code	840
LLMF at end of nominal lifetime (nom.)	70 %
Operating and Electrical	
Input frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Starting time (nom.)	0.5 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb shape	T-shape
Approval and Application	
Ambient temperature range	-30 to +45 °C

Light Technical

Order Code	Full Product Name	Luminous Flux
30564900	MAS LED SOX M 4Klm 28W 840 B22 FR	4,000 lm
30566300	MAS LED SOX M 5Klm 36W 840 B22 FR	5,000 lm
30562500	MAS LED SOX M 2.5Klm 18W 840 B22 FR	2,500 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
30564900	MAS LED SOX M 4Klm 28W 840 B22 FR	28 W
30566300	MAS LED SOX M 5Klm 36W 840 B22 FR	36 W

Order Code	Full Product Name	Power Consumption
30562500	MAS LED SOX M 2.5Klm 18W 840 B22 FR	18 W

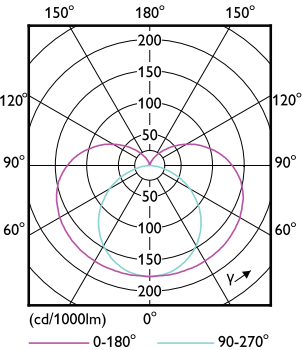
Temperature

Order Code	Full Product Name	T-Case maximum (nom.)
30564900	MAS LED SOX M 4Klm 28W 840 B22 FR	65 °C
30566300	MAS LED SOX M 5Klm 36W 840 B22 FR	67 °C

Order Code	Full Product Name	T-Case maximum (nom.)
30562500	MAS LED SOX M 2.5Klm 18W 840 B22 FR	63 °C

Approval and Application

Order Code	Full Product Name	Energy consumption kWh/1,000 hours
30564900	MAS LED SOX M 4Klm 28W 840 B22 FR	28 kWh
30566300	MAS LED SOX M 5Klm 36W 840 B22 FR	36 kWh
30562500	MAS LED SOX M 2.5Klm 18W 840 B22 FR	18 kWh



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