



TrueForce LED Public (Road/Area – SOX)



MAS LED SOX M 4Klm 28W 840 B22 FR

MASTER, LED SOX, Tubular, Mains only, 28 W, SOX-E 36W, B22, 4000 K, 4000 lm, CRI 80, 50000 h

MASTER, LED SOX, Tubular, Mains only, 28 W, LED alternative to SOX-E 36W, B22, 4000 K, 4000 lm, CRI 80, 50000 h, 142.00 lm/W, EEL D, PF 0.9, Plastic, RG1, IP40, SVM 2, PstLM 1

Warnings and Safety

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

Product data

General Information		Colour consistency	
Cap base	B22	Colour consistency	<6
Nominal lifetime	50,000 h	Colour rendering index (CRI)	80
Switching Cycle	50,000	LLMF at end of nominal lifetime (nom.)	70 %
Lighting Technology	LED SOX	Photobiological safety according to EN 62471	RG1
Flux measurement reference	Sphere	Operating and Electrical	
Warranty period	8 years	Line Frequency	50 to 60 Hz
Light Technical		Input frequency	50 to 60 Hz
Colour Code	840 [CCT of 4000K]	Power Consumption	28 W
Beam angle (nom.)	230 degree(s)	Lamp current (max.)	286 mA
Luminous Flux	4,000 lm	Lamp current (min.)	127 mA
Colour designation	Cool White (CW)	Starting time (nom.)	0.5 s
Correlated Colour Temperature (Nom)	4000 K	Warm-up time to 60% light	0.5 s
Luminous efficacy (rated) (nom.)	142.00 lm/W	Power Factor (Fraction)	0.9
		Voltage (nom.)	100-240 V

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Inrush current at mains	8.24
Max. lamp no. on MCB B type 10A – Mains	16
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – Mains	26
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	-
Wattage Equivalent (LED HID only)	SOX-E 36W
Ballast Compatibility	Mains only

Temperature

T-Case maximum (nom.)	65 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Lamp Finish	Frosted
Bulb material	Plastic
Bulb shape	Tubular
Net Weight (Piece)	0.460 kg

Approval and Application

Energy Efficiency Class	D
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Energy-saving product	Yes
Energy consumption kWh/1,000 hours	28 kWh
EPREL Registration Number	421460
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	2
Ambient temperature range	-30 to +45 °C

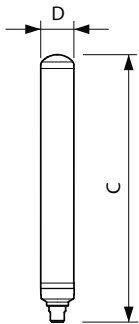
Application Conditions

Wireless Technology	Not applicable
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Product Data

Order product name	MAS LED SOX M 4Klm 28W 840 B22 FR
Full product name	MAS LED SOX M 4Klm 28W 840 B22 FR
Full EOC	871951430564900
Order code	929002496902
Material no. (12 NC)	929002496902
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514305649
Numerator – packs per outer box	6
EAN/UPC – Case	8719514305656

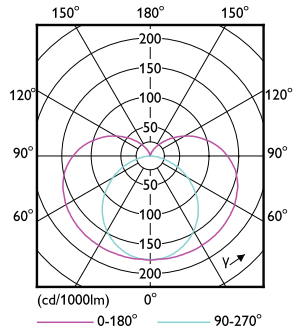
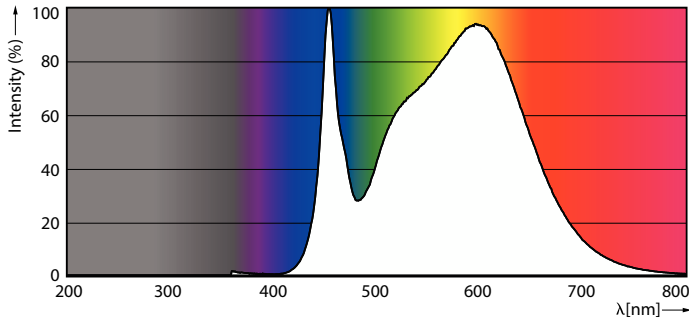
Dimensional drawing



Product	D	C
MAS LED SOX M 4Klm 28W 840 B22 FR	52 mm	425 mm

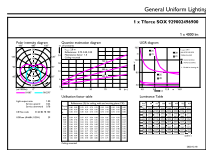
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Photometric data



Spectral Power Distribution Colour - MAS LED SOX M 4Klm 28W 840 B22 FR

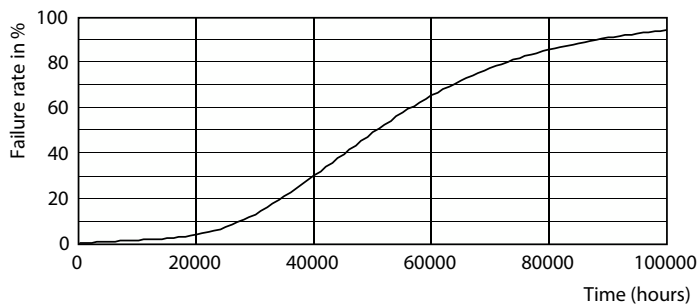
Light Distribution Diagram - MAS LED SOX M 4Klm 28W 840 B22 FR



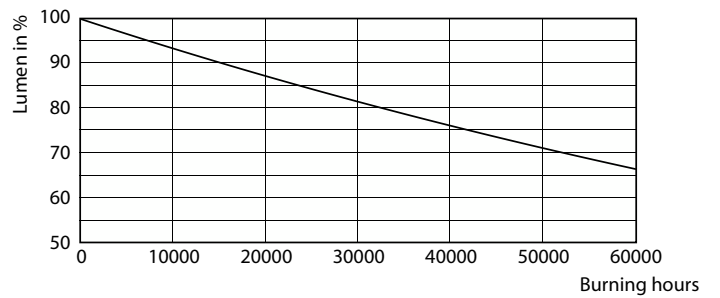
General Uniform Lighting
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General uniform lighting - MAS LED SOX M 4Klm 28W 840 B22 FR

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LED SOX M 4Klm 28W 840 B22 FR

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