



# MASTER - LED HID SOX



## MAS LED SOX M 5Klm 36W 840 B22 FR

MASTER, LED SOX, Tubular, Mains only, 36 W, SOX 55W, B22, 4000 K, 5000 lm, CRI 80, 50000 hour(s)

Philips MASTER LED HID 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 conventional HID SOX 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 MASTER LED HID SOX lamp thereby enhancing the light quality with comfort and safety without having to replace the fixtures or sacrifice the light effect

### Warnings and Safety

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

### Product data

General Information		Operating and Electrical	
Cap-Base	B22	Luminous Flux	5,000 lm
Nominal lifetime	50,000 hour(s)	Color Designation	Cool White (CW)
Switching Cycle	50,000	Correlated Color Temperature (Nom)	4000 K
Lighting Technology	LED SOX	Luminous Efficacy (rated) (Nom)	138.00 lm/W
Flux measurement reference	Sphere	Color Consistency	<6
Warranty period	8 years	Color rendering index (CRI)	80
		LLMF At End Of Nominal Lifetime (Nom)	70 %
		Photobiological safety according to EN 62471	RG1
Light Technical			
Color Code	840 [CCT of 4000K]	Line Frequency	50 to 60 Hz
Beam Angle (Nom)	230 degree(s)		

# MASTER - LED HID SOX

Input Frequency	50 to 60 Hz
Power Consumption	36 W
Lamp Current (Max)	385 mA
Lamp Current (Min)	161 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	100-240 V
Inrush current at mains	7.31
Max. lamp no. on MCB B type 10A - Mains	13
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	20
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 55W
Ballast Compatibility	Mains only

## Temperature

T-Case Maximum (Nom)	67 °C
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## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Bulb Finish	Frosted
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Bulb Material	Plastic
Bulb Shape	Tubular
Net Weight (Piece)	0.462 kg

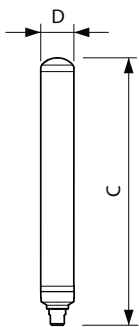
## Approval and Application

Energy Efficiency Class	D
Energy Saving Product	Yes
Energy Consumption kWh/1000 h	36 kWh
EPREL Registration Number	421461
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	2
Ambient temperature range	-30 to +45 °C

## Product Data

Order product name	MAS LED SOX M 5Klm 36W 840 B22 FR
Full product name	MAS LED SOX M 5Klm 36W 840 B22 FR
Full product code	871951430566300
Order code	929002497002
Material Nr. (12NC)	929002497002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514305663
Numerator - Packs per outer box	6
EAN/UPC - Case	8719514305670

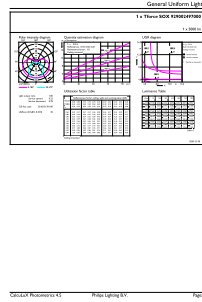
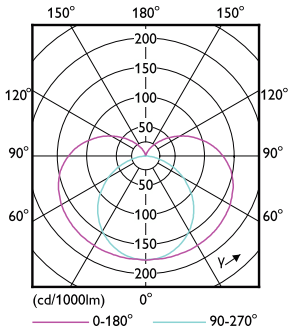
## Dimensional drawing



Product	D	C
MAS LED SOX M 5Klm 36W 840 B22 FR	52 mm	425 mm

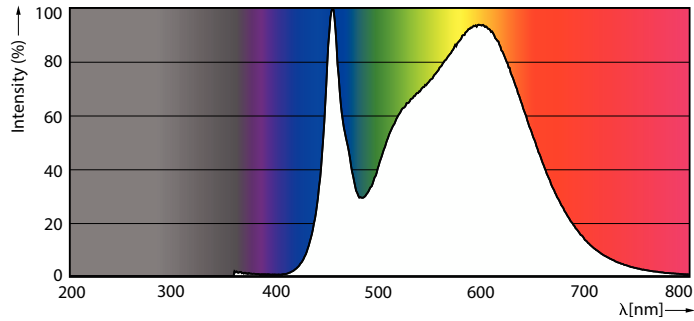
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## Photometric data



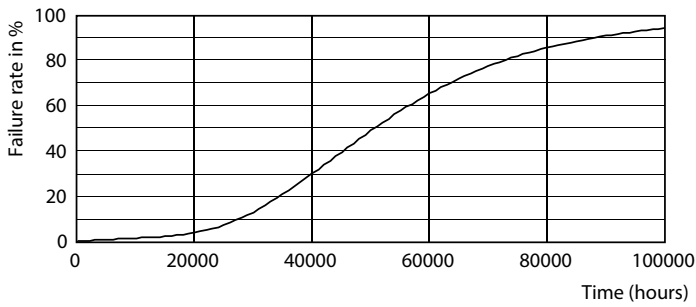
Light Distribution Diagram - MAS LED SOX M 5Klm 36W 840 B22 FR

General uniform lighting - MAS LED SOX M 5Klm 36W 840 B22 FR

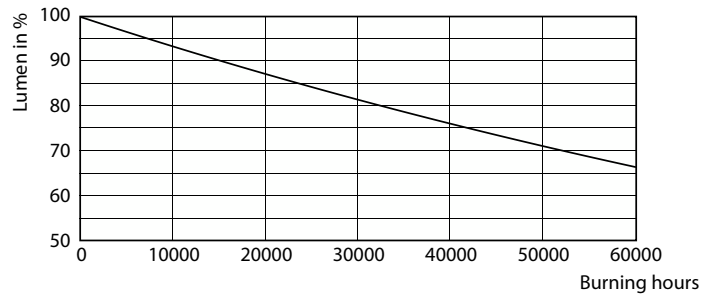


Spectral Power Distribution Colour - MAS LED SOX M 5Klm 36W 840 B22 FR

## Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LED SOX M 5Klm 36W 840 B22 FR

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