



MASTER MHN-SB

MASTER MHN-SB 2000W/956 400V K12s-7 WH HO

Compact quartz metal halide lamp with single pinch

Product data

• General Characteristics

Cap-Base	Cable
Cap-Base Information	na [-]
Bulb	TD40 [TD 40mm]
Bulb Finish	Clear
Operating Position	p15 [Parallel +/-15D or Horizontal(HOR)]
Life to 5% failures	1700 hr
Life to 10% failures	2300 hr
Life to 20% failures	3000 hr
Life to 50% failures	4500 hr

• Light Technical Characteristics

Color Code	956 [CCT of 5600K]
Color Rendering Index	90 Ra8
Color Designation (text)	Daylight
Color Temperature Technical	5600 K
Luminous Flux Lamp EM	220000 Lm
Luminous Efficacy Lamp EM	108 Lm/W
Lumen Maintenance 1000h	93 %
Lumen Maintenance 2500h	90 %
Chromaticity Coordinate X	334 -
Chromaticity Coordinate Y	366 -

• Electrical Characteristics

Lamp Wattage	2000 W
Lamp Wattage EM 25°C, Nominal	2000.0 W
Lamp Wattage EM 25°C, Rated	2070.0 W
Voltage	400 V
Lamp Voltage	205 V
Lamp Current EM	11.8 A
Dimmable	No

• Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	220 mg
Energy consumption kWh/1000h	2277 kWh

• UV-related Characteristics

Specific Eff. Radiant Power	60 mW/klm
-----------------------------	-----------

• Luminaire Design Requirements

Pinch Temperature	450 (max) C
Bulb Temperature	1015 (max) C

• Product Dimensions

Base Face to Base Face A	157 mm
Overall Length C	188 (max) mm
Diameter D	39 (max) mm
Arc Length O	25 mm

PHILIPS

MASTER MHN-SB

Cable Length X 50 mm

Pieces per pack 1
 Packing configuration 1
 Packs per outerbox 1
 Bar code on pack - EAN1 8718291548454
 Bar code on outerbox - EAN3 8727900928600
 Logistic code(s) - 12NC 928196805130
 Net weight per piece 0.058 kg

• **Product Data**

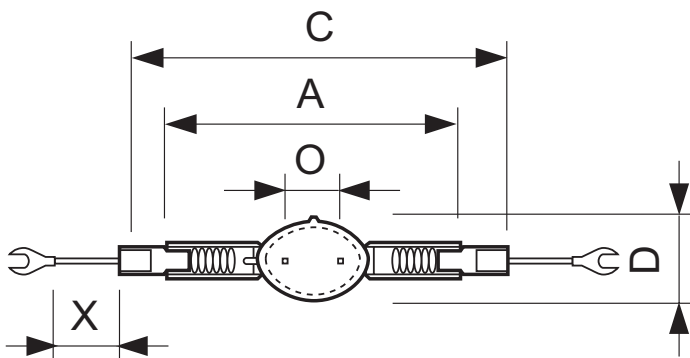
Order code 928196805130
 Full product code 928196805130
 Full product name MASTER MHN-SB 2000W/956 400V K12s-7 WH HO
 Order product name MST MHN-SB 2000W/956 400V K12s-7 WH HO

Warnings and Safety

- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)

- The luminaire must be able to contain hot lamp parts if the lamp ruptures

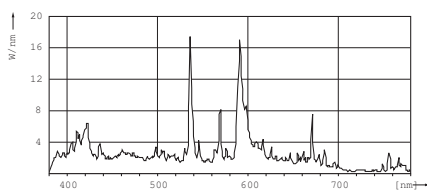
Dimensional drawing



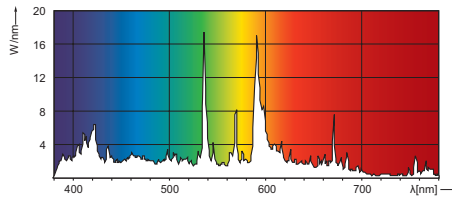
MASTER MHN-SB 2000W/956 400V K12s-7 WH HO

Product	A (Norm)	C (Max)	D (Max)	O (Norm)	X (Norm)
MHN-SB 2000W/956 400V K12s-7 WH HO	157	188	39	25	50

Photometric data



MHN-SB 2000W /956



MHN-SB 2000W /956



© 2013 Koninklijke Philips N.V. (Royal Philips)
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

www.philips.com/lighting

2013, October 28
data subject to change