

Dimensions in mm

Type	C max.
SDW-TG 50W	90
SDW-TG 100W	97

Definition

Mini WhiteSON 50 and 100 W (SDW-TG) high-pressure sodium vapour lamps with a sintered aluminium oxide discharge tube enclosed in a small clear (CDM-T) outer bulb, equipped with a prefocused GX12-1 lamp base. The increased sodium pressure causes exceptional brightness and colour rendering properties.

Lamp advantages

- Warm white, colour temperature 2550 K
- Colour rendering CRI > 80
- Excellent rendition of warm colours
- Compact shape, same size as CDM-T lamps
- UV block

Applications

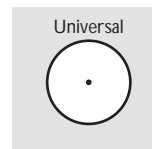
- Food stores, fashion stores, furniture stores
- Retail premises, offices, public buildings, lobbies

Note

- Suitable for use in open luminaires (indoor applications)
- To be used only in combination with Philips HID-PV Mini WhiteSON gear.

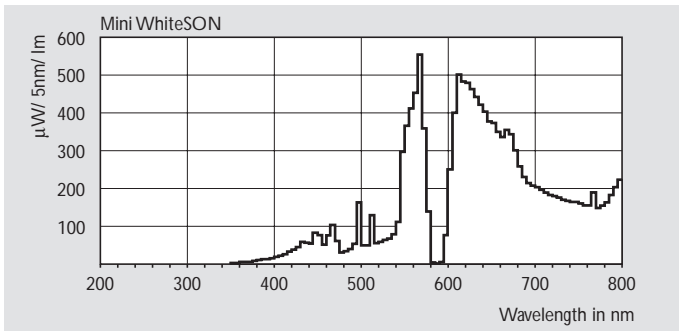
System advantages

- Improved colour stability through 'Colour-Control' U-processor which compensates for colour shifts due to mains- and lamp-voltage variations
- Electronic low-frequency operation (typically 130 Hz), eliminates all visible lamp flicker
- Elimination of influence of mains-voltage variations
- More stable operation and faster run-up time
- Optimum end-of-life protection including stopping circuitry and thermal cut-off
- Longer cable length up to 3 m
- Simplicity: only two components: lamp and ballast
- Philips Quality
- As manufacturer of lamps and electronic control gear, Philips ensures that, from the earliest development stage, optimum lamp/ballast performance is maintained
- Philips lamps comply with all relevant European rules and regulations.

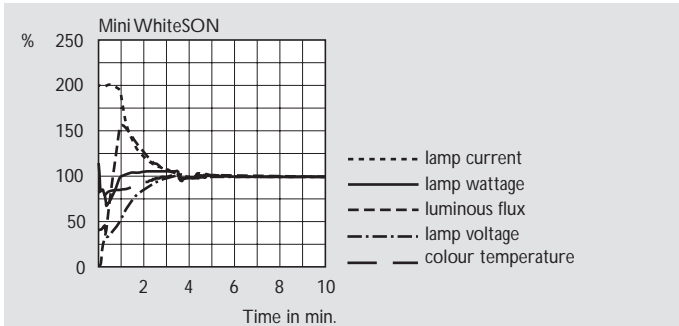


Burning position

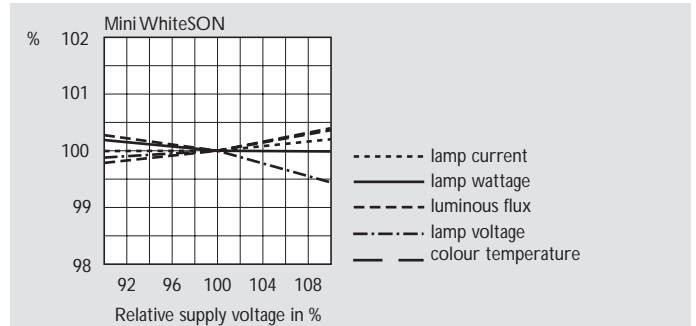
Type	Cap/base	Lamp wattage	Lamp voltage	Correlated colour temp.	Lumen output	Colour rendering index	Lamp current	Maximum permissible pinch temp. degr.C	Maximum permissible bulb temp. degr.C	Chrom. coord.	Chrom. coord.	Nett weight	EOC
		W	V	K	lm		A			x	y	g	
SDW-TG 50W	GX12-1	54	85	2550	2400	81	0.65	350	500	469	406	29	203236
SDW-TG 100W	GX12-1	99	91	2550	4900	83	1.1	350	650	469	406	33	202338



Spectral power distribution



Lamp performance during run-up



Effects of mains voltage variations

