Technical Information

No. DO

Edition: 10/2019

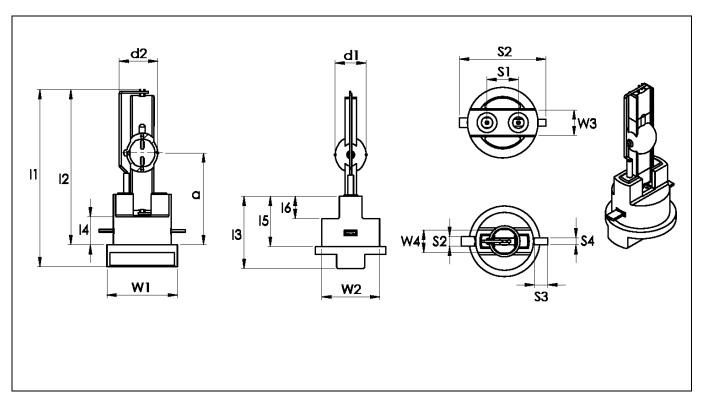
Supersedes: initial release Status: preliminary





■ Product description

The OSRAM Lok-it!® 1600/60/P50 is a highly efficient, single-ended short-arc metal halide lamp with 6000 Kelvin colour temperature providing high lumen output due to compact arc gap like 5.5 mm but also excellent light quality with CRI higher than 92. The Lok-it!® plug'n'play system allows a quick one-touch lamp replacement. It is very compact and hence allows cold start of the lamp only. Featuring OSRAM's XS-Technology, the lamp stands pinch temperatures up to 450°C.



Technical data lamp

Order reference	Lok-it!®	1600W/60/P50
Ignition voltage	kVs	7
Rated lamp wattage	W	1600
Rated lamp voltage	V	83
Rated lamp current (~)	Α	19.2
Luminous flux	Lm	140,000
Luminous efficacy	lm/W	85
Color temperature	K	6000
Color rendering index	Ra	92
Average service life	h	750
Light arc length	mm	5.5
Lamp length (overall) I ₁	mm	128 ± 1
Lamp length I ₂	mm	112 ± 1
LCL a	mm	65 ± 1
Base height (overall) I ₃	mm	51

Bulb diameter d ₁	mm	23
Bulb diameter d ₂ (incl. current bar)	mm	27.5
Base height part I ₄	mm	19.5
Base height part I ₅	mm	35.5
Base height part I ₆	mm	16
Base plate diameter w ₁	mm	50
Base neck width w ₂	mm	41
Base handle width w ₃	mm	20
Base neck width w ₄	mm	16
Base pin inner distance s ₁	mm	22
Base pin outer distance s ₂	mm	61
Base pin length s ₃	mm	10
Base pin width s ₄	mm	5
Base pin width s₅	mm	7
Base (pre-focus/bayonet)		PGJX50 Lok-it!®



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plug'n'play Metal Halide Lamp

Lok-it!® 1600W/60/P50

Lamp operation

Maximum pinch seal temperature allowed	°C	450 / with eXtreme Seal Technology (measured at welding point, for a short term, not complete life time)
Cooling		forced cooling / fan required
Burning position		any

The HTI® 1600W/60/P50 Lok-it!® is designed to be operated on electronic power supplies (ECG) only.

■ Manufacturers of igniters and control gear (not all officially approved by OSRAM)

To be defined

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