

Technical Information

No. FO 4521

Edition: 04/05 - subject to change

Supersedes: Edition 02/02

Status: valid

Metal Halide Lamp

HTI[®] 300 W/DX

■ Product description

The OSRAM HTI[®] 300W/DX is a double ended metal halide lamp of the medium power stage in the HTI type range. The lamp is characterized by daylight-like colour temperature, high brilliance and hot restrike ability. The double ended threaded pins ensure precise adjustment in optical systems. Mechanically stabilized, the improved HTI[®] 300W/DX version is replacing the HTI[®] 300W/DE version.

■ Technical data

Order reference		HTI [®] 300 W/DX
Rated lamp wattage	W	300
Rated lamp voltage	V	100
Rated lamp current (~)	A	3.6
Ignition voltage (cold / hot)	kV _s	4.5 / 25
Luminous flux	lm	22,000
Average luminance	cd/cm ²	20,000
Color temperature	K	6,500
Color rendering index	Ra	> 85
Electrode gap e	mm	5.5
Lamp length (overall) l ₁	mm	max. 92
Lamp length l ₂	mm	70
Bulb diameter d	mm	16
Average service life	h	750
Base		SFc 10-4

■ Lamp operation

Maximum permissible base temperature	°C	230
Cooling		fan
Burning position		horizontal ± 45°, p 45 / for moving heads any

The HTI[®] 300/DX is designed for an operation on conventional ballasts. A power of 300 W can be achieved by a parallel circuit of two standard 150 W ballasts. Operation on electronic power supplies is possible.

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

Of all ballasts mentioned below two fixtures in a parallel circuit have to be used.

Igniters	ABB / Bag Turgi MZN 400 S; ERC 640006; Tridonic 6 ES/B
Ballasts	ERC 686816, ERC 68817, ERC 686818; Magnetek QI 150-24.4K 638 TSW; Magnetek NQI 150-24.3-24Tridonic ECIS 1/2C140 TP; Tridonic OMBIS 101, 103

