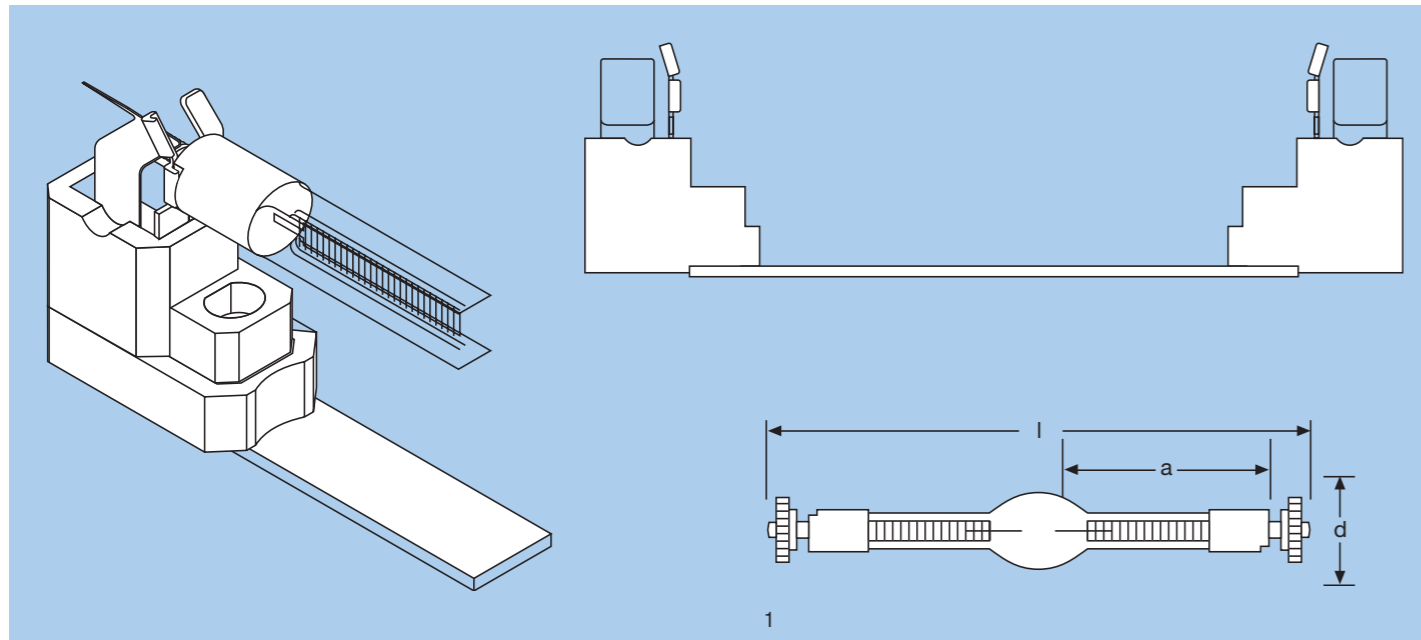


Technical Data SharXS®HTI®



Type	SharXS® HTI® 200 W/D3/70	SharXS® HTI® 400 W/D3/75	SharXS® HTI® 575 W/D4/75	SharXS® HTI® 700 W/D4/60	SharXS® HTI® 1200 W/D7/60
Average wattage	200 W	400 W	575 W	700 W	1200 W
Ignition voltage cold/hot	3/25 kV	3/25 kV	3/25 kV	3/25 kV	5/35 kV
Lamp voltage (EVG/KVG)	60/- V	49/- V	90/95 V	70/73 V	95/100 V
Operating current	3,3 A	8,5 A	6,4/7,0 A	10,0/11,0 A	12,7/13,8 A
Luminous flux	13,000 lm	26,000 lm	46,000 lm	59,000 lm	110,000 lm
Average luminance	30,000 cd/cm²	55,000 cd/cm²	49,000 cd/cm²	60,000 cd/cm²	41,000 cd/cm²
Colour temperature	7,000 K	7,500 K	7,500 K	6,000 K	6,000 K
Colour rendering index (R _a)	> 85	> 80	> 80	> 80	> 90
Average lamp life	3000 h	750 h	750 h	750 h	750 h
Max. permissible pinch temperature*	450° C	450° C	450° C	450° C	450° C
Length l max.	135 mm	135 mm	135 mm	135 mm	135 mm
LCL a	57,5 mm	57,5 mm	57,5 mm	57,5 mm	57,5 mm
Diameter d max.	15 mm	18 mm	18 mm	18 mm	21 mm
Light arc length (cold)	3	3	4	4	7
Base	Pre-focus SFc10-4	Pre-focus SFc10-4	Pre-focus SFc10-4	Pre-focus SFc10-4	Pre-focus SFc10-4
Burning position	any	any	any	any	any
Fig. no.	1	1	1	1	1

* with eXtreme-Seal-technology

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Light with a bite: SharXS® HTI® from OSRAM

Innovative short-arc HTI® lamps
for modular luminaire designs



info@sharxs.com
www.sharxs.com

SEE THE WORLD IN A NEW LIGHT



SEE THE WORLD IN A NEW LIGHT



SharXS® ("Short arc eXtreme Seal") lamps from OSRAM provide a new dimension of power and much greater flexibility in modern entertainment lighting environments: The innovative double-ended HTI® metal halide series with a reduced short arc and uniform dimensions enable creative and modular luminaire designs without intensive development investments. Due to their characteristic features such as extraordinary robustness, luminous intensity and efficacy SharXS® HTI® lamps lead the industry in effect and entertainment lighting environments.

Simply brilliant: Short arc for greater luminous output

SharXS® HTI® lamps far outperform their "tame" competitors in terms of luminous output: Their innovative short-arc technology enables extremely short electrode gaps. SharXS® HTI® lamps are basically able to produce more light than conventional metal halide lamps of the same rated wattage.

Keeping their "cool": Higher thermal load capacity thanks to XS

XS When it comes to thermal loading capabilities SharXS® HTI® lamps are also in the lead: When conventional metal halide lamps begin to feel the heat, SharXS® HTI® lamps keep their "cool" even when things heat up: The innovative XS technology provides a protective coating covering the thermally sensitive area surrounding the weldings, thereby increasing the maximum pinch temperature from 350°C to 450°C. The need for forced cooling can thus be significantly reduced, resulting in quieter luminaire designs. The luminaires display a more compact design, have less weight and require less space.



Unrivalled Power: SharXS® from OSRAM



Total flexibility: Modular luminaire design and construction

The innovative SharXS® HTI® metal halide lamps from OSRAM are available in various wattages typical to the market. All members of this product family are identical in terms of design, length and base. Due to the separate module design luminaire designers will find it much easier to respond to future market requirements. The control gear and cooling of the luminaire must be adjusted to the various wattages.

Low consumption: SharXS® HTI® help lower operational costs: Based on the correct luminaire design, the same light output can be produced using a lower rated wattage. This reduces the need for cooling and therefore saves energy.

More light: With the correct luminaire design SharXS® HTI® provide a significantly higher light output. This means more light is produced using the same amount of energy.

A special base with notch makes it easier to install the lamps into appropriate holders. The key-/lock principle between the lamp and the holder makes it impossible to install the lamp

incorrectly and therefore avoids loss of light and unwanted optical influences from the pumping tip.

SharXS® HTI® – the benefits at a glance:

- Standard range of rated wattages from 200-1200W
- One design, same lamp length, same LCL
- Special base SFc10-4 with notch
- Short-arc technology (3 to 7mm)
- High average luminance (30 to 60 kcd/cm²)
- Colour temperature with daylight characteristics (6000K) and bright light (7000, 7500K)
- High colour rendering index (Ra > 80 to > 90)
- Higher thermal resistance through XS technology (450° C max. permissible pinch temperature)
- Hot restart possible
- Average service life 750-3000 hours (depending on model)
- AC operation

SharXS® technology enables a "short time to market" – OEM products will now reach the market and the end-users much quicker!

