

## HRI-TS 2000W/D/S/HF/400/K12s (324 16491)

The Radium metal halide lamp HRI-TS 2000W/D/S HF is a double ended high pressure discharge lamp. The lamp has got a quartz burner and because of the filling's properties and double ended design it is suitable for immediate hot restrike. The extremely compact design allows an operation in smaller fixtures with minor wind load. Due to short arc technology optimal beam control is possible. Light colour D offers a spectrum most similar to daylight.

To operate the lamp a special ballast is needed (e.g. MCT HI 2000/12-135.80H-37).



- Advantages:**
- **Higher luminous flux: + ~ 10%**
  - **Very good colour rendering**
  - **Same geometric dimensions as HRI-TS 2000W/D/S**
  - **High luminous flux and high lamp luminous efficiency**
  - **Suitable for hot restrike**
  - **Optimal beam control (short arc technology)**

**Main application:** Stadium illumination, large area illumination like industrial plants, industry illumination, illumination for HD colour TV recording

**Notes:** This lamp is not suitable for applications with dimmer or power reduction systems.

**Safety:** HRI lamps must be operated under the specified operating conditions with suitable control gear, only. This lamp must be operated with protective screen, only.

### Technical data:

Electrical parameters	
Rated lamp wattage:	2060 W
Mains voltage (AC):	400 V
Nominal choke current:	12,2 A
Nominal lamp current:	12,2 A
Lamp voltage:	200 V
Ignition voltage min./max.:	4/5 kVs
Hot restrike voltage:	36 kVs
Compensation capacitor <sup>1)</sup> :	70 µF

Photometric data	
Luminous flux:	230 000 lm
Luminous efficacy:	112 lm/W
Colour temperature:	6200 K
Colour rendering index Ra:	90 nominal 83 rated

Lifetime & Performance	
Mean service life <sup>2)</sup> :	4500 h
5% early failure rate <sup>2)</sup> (B5):	1800 h
Run up period:	2-4 min
Burning position:	p15
Ignition guaranteed down to ca.:	-50 <sup>3)</sup> °C
Max. perm. pinch temp.:	390 °C
Max. perm. outer bulb temp.:	950 °C

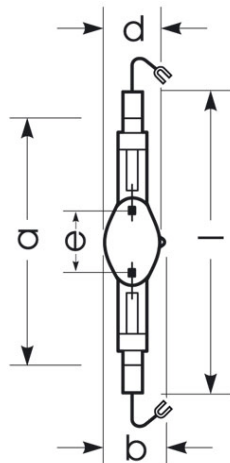
Geometry / Other	
Hg-content:	187 mg
Base:	K12s
Length l max.:	187 mm
Diameter d max.:	36 mm
a:	157 ± 2 mm
b max.:	41 mm
Distance of electrodes e:	32,5 mm

<sup>1)</sup>50Hz, cos φ ≈ 0.9 <sup>2)</sup> switching cycle: 11h/1h on/off @ 50Hz <sup>3)</sup> with special ignitor

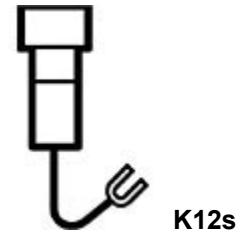
# Metal halide lamp

## Geometry:

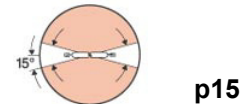
<b>l</b>	187	mm
<b>d</b>	36	mm
<b>a</b>	157 ± 2	mm
<b>b</b>	41	mm
<b>e</b>	32,5	mm



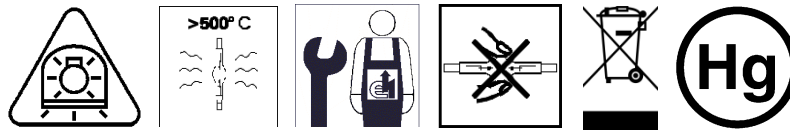
## Base:



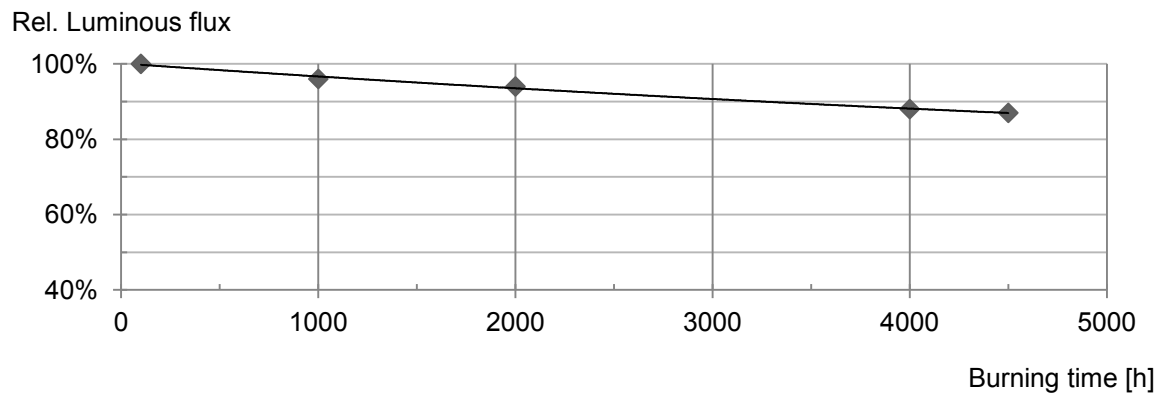
## Burning position:



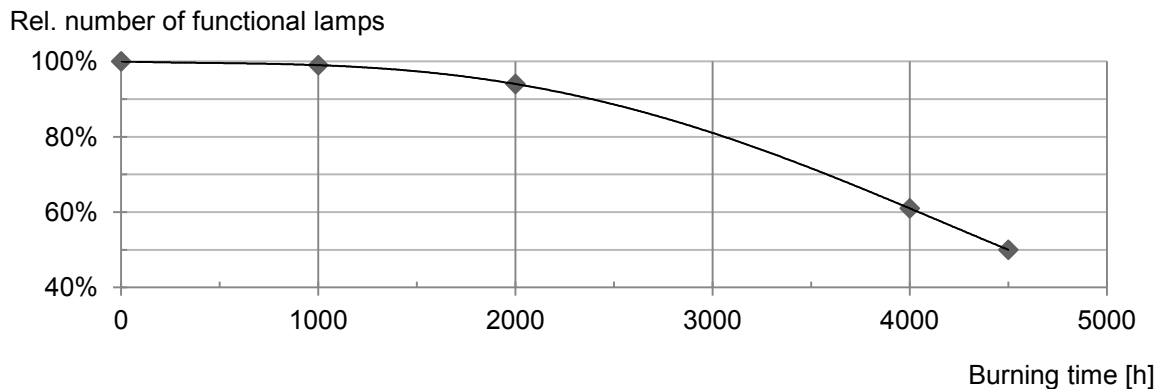
## Pictos:



## Luminous flux performance<sup>2)</sup>:



## Lifetime performance<sup>2)</sup>:



<sup>1)</sup>50Hz, cos φ ≈ 0.9 <sup>2)</sup> switching cycle: 11h/1h on/off @ 50Hz <sup>3)</sup> with special ignitor