

HRI-TS 2000W/D/S/ECG/400/K12s (324 16642)

This Radium metal halide lamp is a high pressure discharge lamp with double ended glass bulb for operation with electronic control gear, only (Schiederwerk PVG 12-20 and ignitor KZG 12-8 or KZG 20-8). The ECG operation generates flicker-free light suitable for HDTV and super slow-motion.

The lamp has got a quartz burner and due to the filling's properties and double ended design it is fit for immediate hot restrike (with ignitor Schiederwerk HZG 16-42).

The extreme compact design allows an operation in small fixtures with minor wind load.

Due to short arc technology optimal beam control is possible. Light colour D offers a spectral distribution almost like daylight.



- Advantages:**
- **Flicker-free light for fast sports, HD-TV and super slow-motion**
 - **Very good colour rendering**
 - **Optimal beam control (short arc)**
 - **Compact lamp design (without outer bulb)**
 - **High luminous flux and high lamp luminous efficiency**
 - **Suitable for hot restrike³⁾**

Main application: Illumination for HDTV broadcasting scenarios (flicker-free) such as sports venues, stadium lighting, other sports and multi-purpose halls

Safety: HRI lamps must be operated under the specified operating conditions with suitable control gear, only.

This lamp must be operated in enclosed fixture with protective screen, only.

Technical data:

Electrical parameters	
Rated lamp wattage:	2080 W
Mains voltage (AC):	230 V
Nominal lamp current:	10,7 A
Lamp voltage:	195 V

Photometric data	
Luminous flux:	228000 lm
Luminous efficacy:	110 lm/W
Colour temperature:	6300 K
Colour rendering index Ra:	90 nominal 85 rated

Lifetime & Performance	
Mean service life ^{1) 2)} :	4000 h
5% early failure rate ²⁾ (B5):	2000 h
Run up period:	2-4 min
Burning position:	p15
Max. perm. pinch temp.:	390 °C
Max. perm. outer bulb temp.:	950 °C

Geometry / Other	
Hg content:	175 mg
Base:	K12s-36
Length l max.:	187 mm
Diameter bulb d max.:	36 mm
Light centre a:	157 ± 2 mm
Diameter with pumping stem b max.:	41 mm
Distance of electrodes e:	32,5 mm

¹⁾ ECG operation and lamp in horizontal burning position

²⁾ switching cycle: 3h/1h on/off

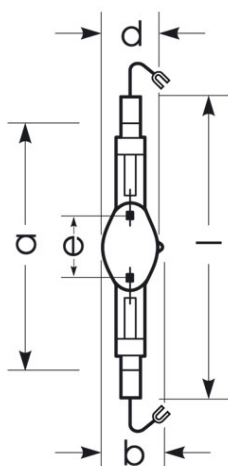
³⁾ with special ignitor

Data in any other permitted burning position may slightly change.

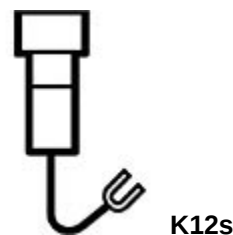
Metal halide lamp

Geometry:

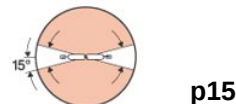
l	187	mm
d	36	mm
a	157 ± 2	mm
b	41	mm
e	32,5	mm



Base:



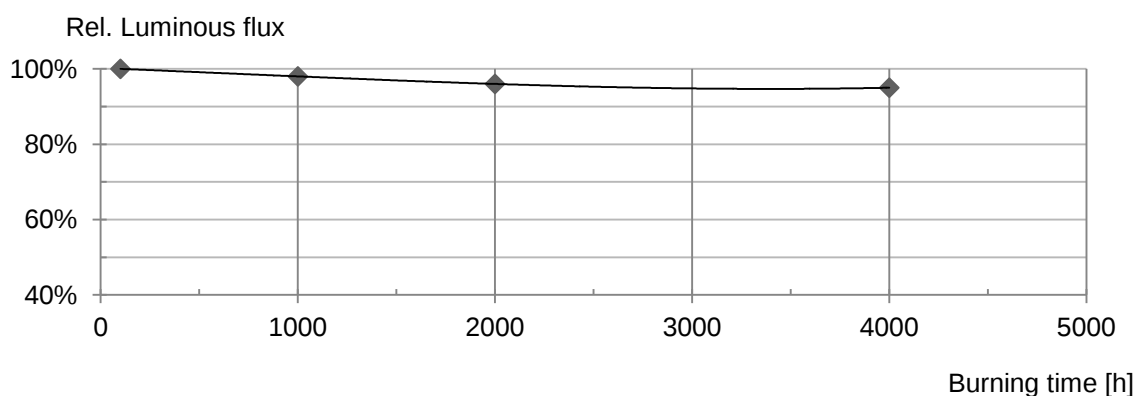
Burning position:



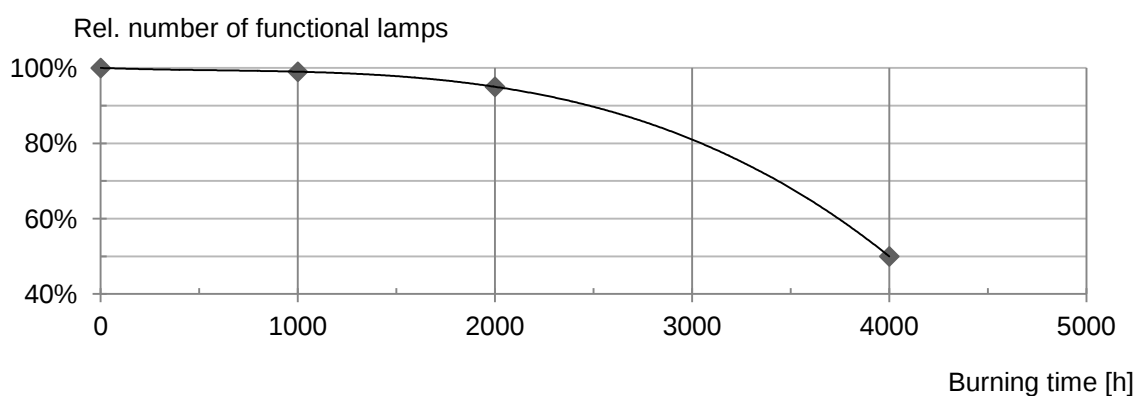
Pictos:



Luminous flux performance ^{1) 2)}:



Lifetime performance ^{1) 2)}:



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