

HRI-TS 2000W/NDL/S/400/K12s (324 16580)

The Radium HRI-TS 2000W/NDL/S is a double ended metal halide lamp. The lamp has got a quartz burner and it is suitable for immediate hot re-strike because of the filling's properties and double ended design. 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 NDL offers a pleasant neutral white.



- Advantages:**
- **Compact lamp design (without outer bulb)**
 - **Very good colour rendering index**
 - **High luminous flux and efficiency**
 - **Very good lumen maintenance and colour stability**
 - **Suitable for hot re-strike**
 - **Optimal beam control (short arc technology) and uniform light distribution**

Main application: Stadium illumination, illumination for professional colour HDTV recording, large area illumination like industrial plants, industry illumination

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:	1930 W
Mains voltage (AC):	400 V
Nominal choke current:	10,3 A
Nominal lamp current:	11,3 A
Lamp voltage:	200 V
Ignition voltage min./max.:	4/5 kVs
Hot re-strike voltage ³⁾ :	36 kVs
Compensation capacitor ¹⁾ :	60 µF

Photometric data	
Luminous flux:	222000 lm
Luminous efficacy:	115 lm/W
Colour temperature:	4600 K
Colour rendering index Ra:	90

Lifetime & Performance	
Mean service life ²⁾ :	6000 h
5% early failure rate ²⁾ (B5):	2000 h
Run up period:	2-4 min
Burning position:	p15
Ignition guaranteed down to ca.:	-50 ³⁾ °C
Max. perm. pinch temp.:	390 °C
Max. perm. outer bulb temp.:	950 °C

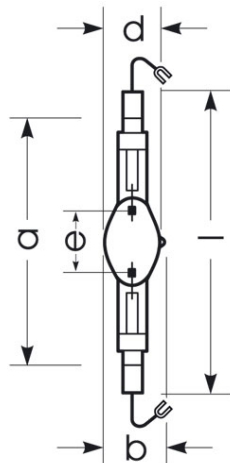
Geometry / Other	
Hg content:	150 mg
Base:	K12s
Length l max.:	187 mm
Diameter d max.:	36 mm
a:	157 ± 2 mm
b max.:	41 mm
Distance of electrodes e:	32,5 mm

¹⁾50Hz, cos φ ≈ 0.9 ²⁾ switching cycle: 11h/1h on/off @ 50Hz, in horizontal burning position ³⁾ with special ignitor

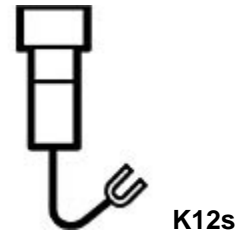
Metal halide lamp

Geometry:

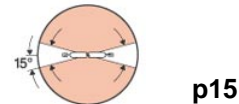
l	187	mm
d	36	mm
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b	41	mm
e	32,5	mm



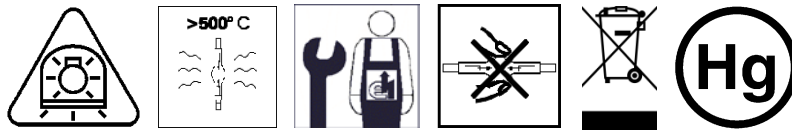
Base:



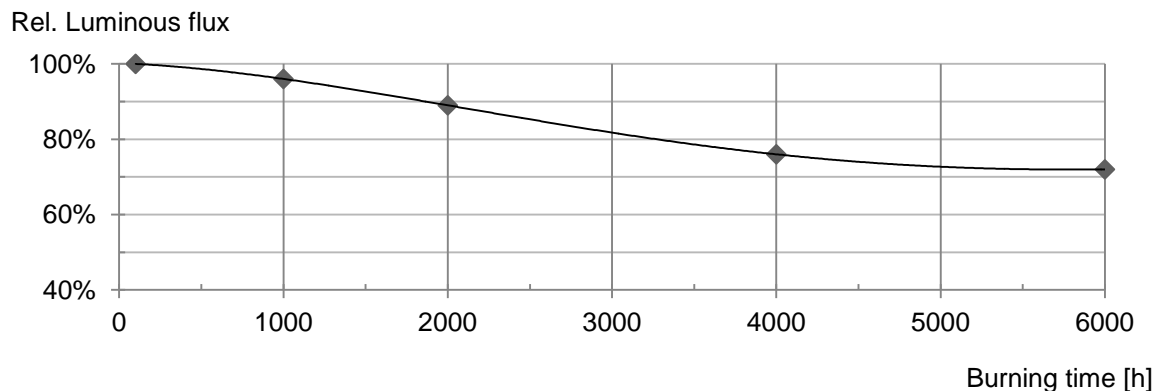
Burning position:



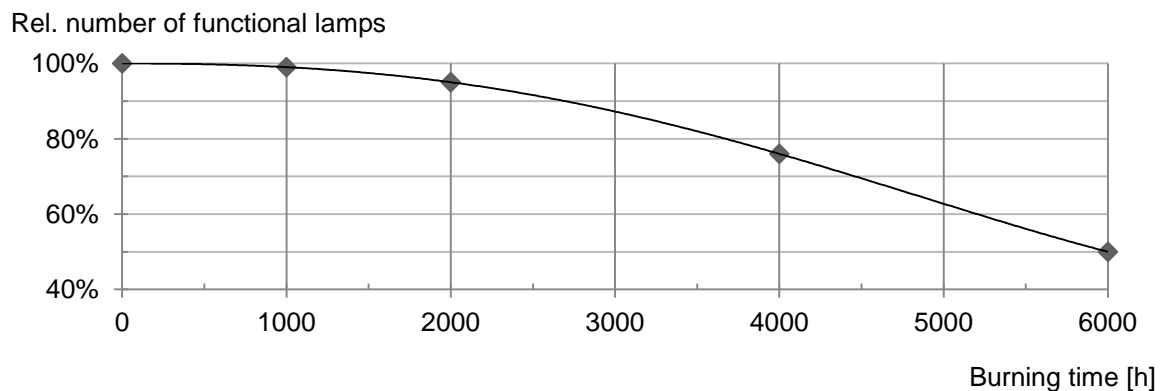
Pictos:



Luminous flux performance²⁾:



Lifetime performance²⁾:



²⁾ switching cycle: 11h/1h on/off @ 50Hz, in horizontal burning position