

HRI-E 400W/NSC/S/230/C/E40 (324 16561)

The Radium metal halide lamp HRI-E 400W/NSC/C (C = clear bulb) is a high pressure discharge lamp with elliptical bulb. This lamp is very economic in spite of a good colour rendering index. It combines the features of sodium lamps (=economic) and metal halide lamps (=good colour rendering). Light colour N offers a pleasing neutral white.



- Advantages:**
- **High luminous flux and efficacy**
 - **E40 screw base for easy lamp handling**
 - **Long life time**
 - **UV-values significantly below the maximum permitted threshold to IEC61167 thanks to UV-filter**

Main applications: Industrial and factory lighting, sports and multi-purpose halls

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

Lamp wattage:	442 W
Mains voltage:	230 V
Nominal choke current:	4.6 A
Lamp current:	3.8 A
Lamp voltage:	127 V
Ignition voltage min./max.:	4 / 5 kVs
Compensation capacitor ¹⁾ :	45 µF

Lifetime & performance

Mean service life ²⁾ :	12 000 h
Early failure rate (B5) ²⁾ :	5500 h
Ramp-up time:	2-4 min
Burning position:	h45
Ignition guaranteed down to ca.:	-50 ³⁾ °C
Max. permitted base rim temp.:	250 °C
Max. permitted bulb temp.:	500 °C

Photometric data

Luminous flux:	42 000 lm
Luminous efficacy:	95 lm/W
Colour temperature:	4000 K
Colour rendering index Ra:	62

Geometry & miscellaneous

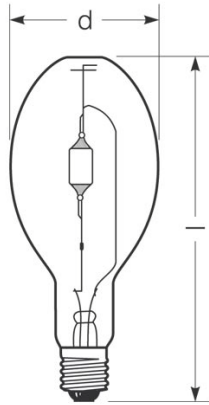
Hg content:	66 mg
Base:	E40
Length l max.:	285 mm
Diameter d max.:	120 mm

¹⁾50Hz, cos φ ≈ 0,9 ²⁾ Switch cycles: 11h/1h on/off @ 50Hz ³⁾ With special ignitor

Metal halide lamp

Geometry:

l	285	mm
d	120	mm

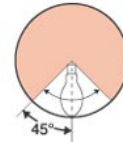


Base:



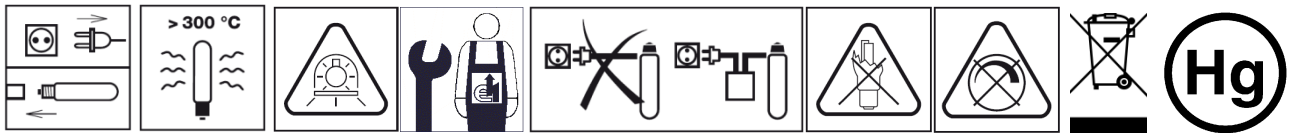
E40 (Sheet 7004-24-6)

Burning position:



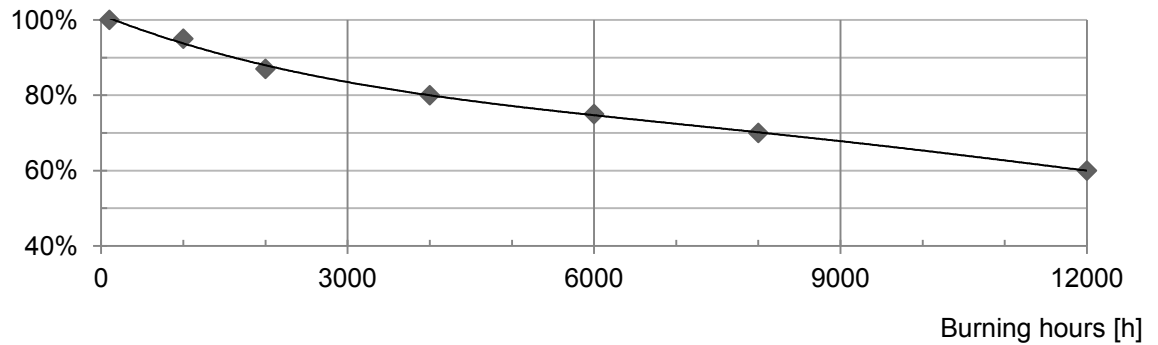
h45

Pictos:



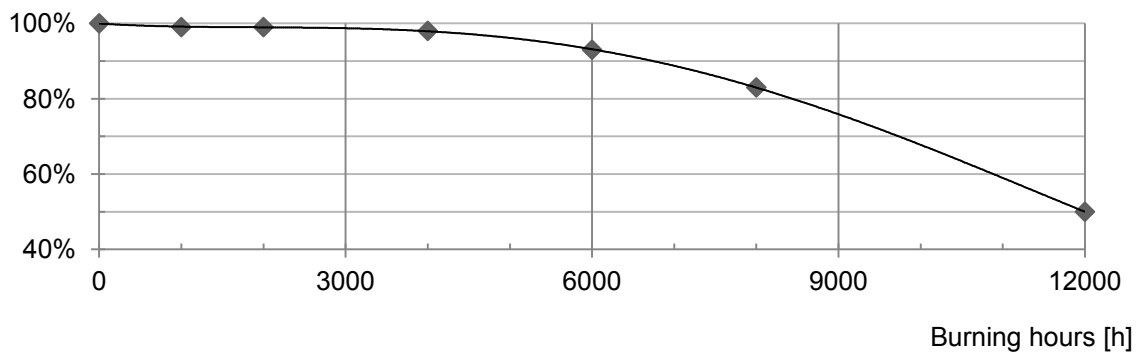
Lamp lumen maintenance²⁾:

Rel. Luminous flux



Lamp survival rate²⁾:

Rel. number of functional lamps



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