

## HRI-E 400W/NSC/S/230/F/E40 (324 16563)

The Radium metal halide lamp HRI-E 400W/NSc/F (F = frosted 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 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:	444 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 <sup>1)</sup> :	45 µF

#### Lifetime & performance

Mean service life <sup>2)</sup> :	9000 h
Early failure rate (B5) <sup>2)</sup> :	4000 h
Ramp-up time:	2-4 min
Burning position:	h45
Ignition guaranteed down to ca.:	-50 <sup>3)</sup> °C
Max. permitted base rim temp.:	250 °C
Max. permitted bulb temp.:	500 °C

#### Photometric data

Luminous flux:	40 000 lm
Luminous efficacy:	90 lm/W
Colour temperature:	3800 K
Colour rendering index Ra:	62

#### Geometry & miscellaneous

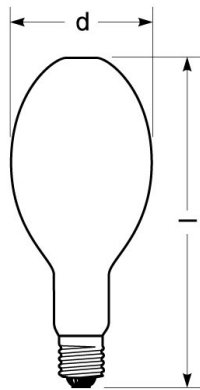
Hg content:	66 mg
Base:	E40
Length l max.:	285 mm
Diameter d max.:	120 mm

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

# Metal halide lamp

## Geometry:

<b>l</b>	285	mm
<b>d</b>	120	mm

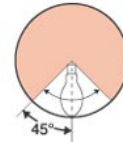


## Base:



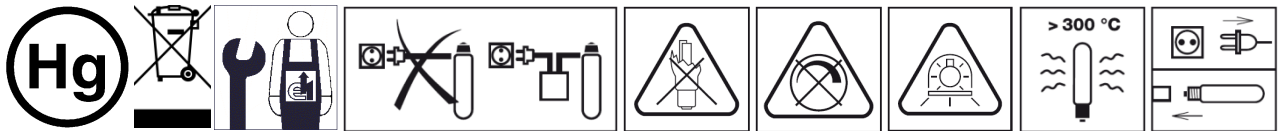
E40 (Sheet 7004-24-6)

## Burning position:

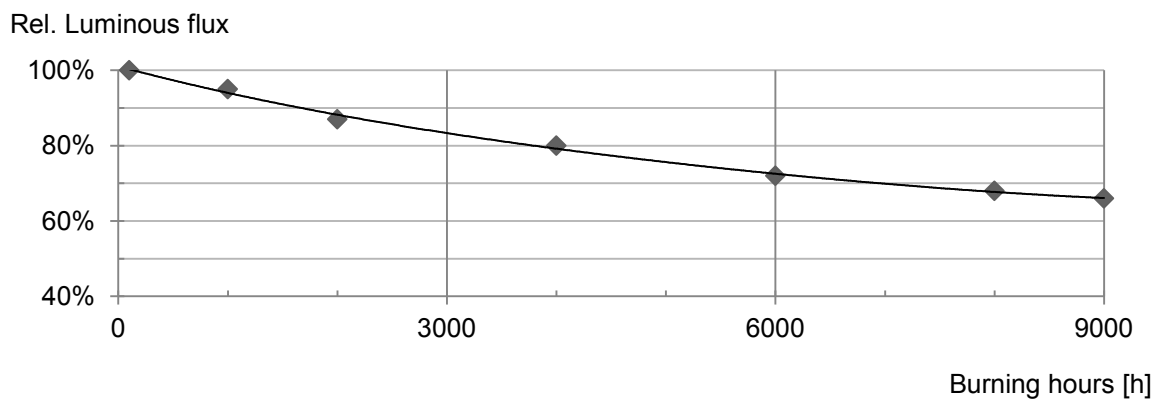


h45

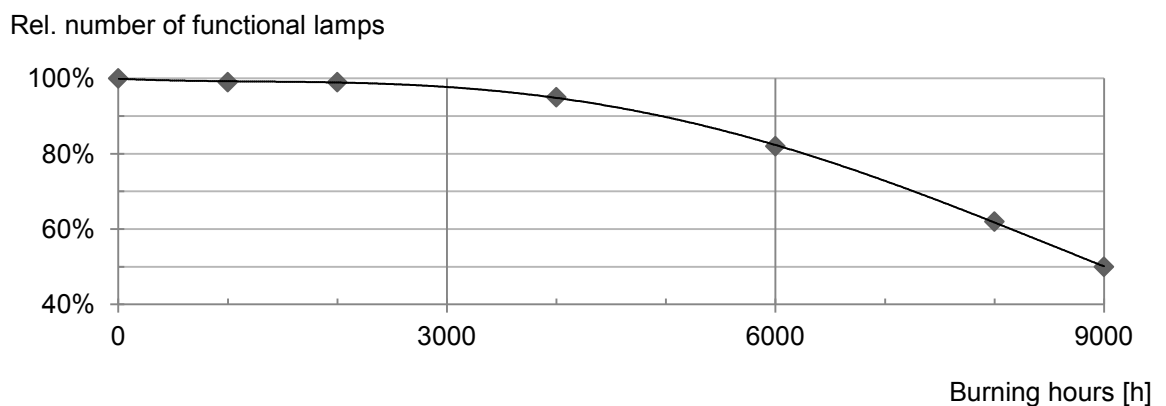
## Pictos:



## Lamp lumen maintenance<sup>2)</sup>:



## Lamp survival rate<sup>2)</sup>:



<sup>1)</sup>50Hz, cos  $\varphi \approx 0,9$  <sup>2)</sup> Switch cycles: 11h/1h on/off @ 50Hz <sup>3)</sup> With special ignitor