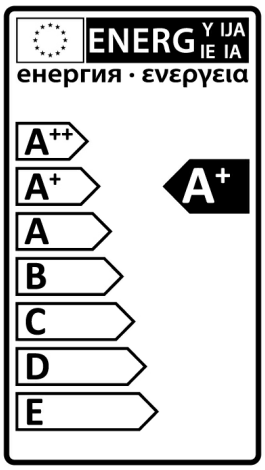
Metal halide lamp with quartz burner, HRI-T 2000W/N/I/400/E40

Product Datasheet Date: 23.07.2019







Logistic Data

Article No.	32416650
Code	HRI-T 2000W/N/I/400/E40
Product EAN	4008597166501
Customs tariff no.	85393290
Box quantitiy (pcs.)	4
EAN Box	4008597466502
Gross weight of box in kg	3.525
Length of box in m	0.53
Width of box in m	0.27
Height of box in m	0.28
ETIM class	EC000037
ETIM class name	Halogen metal halide lamp
Product status	Active

Electric Parameters

Lamp nominal wattage	2 kW
Rated wattage	1960.0 W
Energy Consumption kWh/1000h	2150,5
Mains voltage	400 V
Lamp's nominal current	8.6 A
Nominal current (A)	8.6 A
Nominal choke current	8.8 A
Running up current max.	190%
Fuse	Daelay-action; min. double nominal current

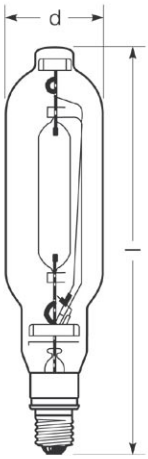
Light Application Parameters

Luminous flux	205000 lm
Luminous efficiency	102.04 lm/W
Radium light colour	Neutral white
Colour temperature	4300 K
Colour temperature	4300 K
Colour rendering index Ra	60
Lumen maintenance at 2000h	0.92
Lumen maintenance at 4000h	0.90
Lumen maintenance at 6000h	0.88
Lumen maintenance at 8000h	0.86
Lumen maintenance at 12000h	0.84
Lumen maintenance at 16000h	0.83
Lumen maintenance at 20000h	0.79

Service Life

Average nominal lifespan	9000 h
Lamp survival factor at 2000h	0.99
Lamp survival factor at 4000h	0.95
Lamp survival factor at 6000h	0.82
Lamp survival factor at 8000h	0.62

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Specification

Diameter max.	106 mm
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Length max.	430 mm
Total length	430 mm
Mercury content	243.0 mg
Controllable (in suitable circuit)	No
Lamp shape	Tube, single-ended
Finish	clear
Model	Clear
Colour	Other

Notes

MH lamp with quartz burner, tubular bulb clear, neutral white light, base E40. Operation in enclosed luminaire, with ballast, no ignitor required.

Please, refer to www.radium.de/recycling for notes on disposal of burned-out lamps as well as lamp breakage.
The field 'info about service life' contains the frame conditions according to standards based on which the specific service life has been determined. So, for example, "12B50, 50Hz" means that the mean service life (B50) has been determined with a 12h switching cycle at mains (frequency 50Hz), "3B50, HF" is based on a 3h switching cycle at electronic control gear (high frequency).

Notes

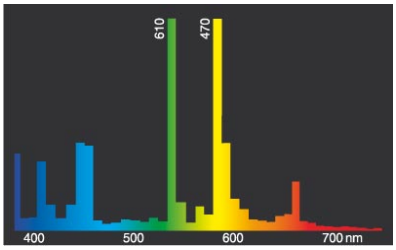
Base



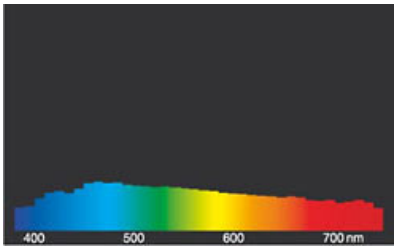
E40
IEC/EN 60061-1
sheet 7004-24-6

Spectrum

Natural daylight is a mixture of direct sunlight and the light of the sky. Therefore, its spectral composition changes permanently due to the changing time of day. The standardised light classification D65 corresponds to a daylight with a colour temperature of approximately 6500 K.
Every discharge lamp type has got an individual spectral power distribution according to its chemical filling. From this result important properties light colour or colour rendering.
Should the spectral lines be very close together the lamp presumably has got a very good colour rendering index, so, Ra might be near 100. Does the spectrum rather look like single lines or frayed out the colour rendering of the lamp will probably be not as good.
If number and height of the spectral lines within the blue range (around 400 nm) prevails it might be a lamp with a rather cold light colour like for example daylight. On the other hand, should the red (around 700 nm) or the red and yellow (around 600 nm) range be dominant one can assume that the lamp will be a rather warm light colour like WDL.
After the lamp start a metal hlide lamp needs about 2-4 minutes time to reach its full luminous flux, all colours in the spectrum are within the discharge arc then.
Visible region from 380 to 780 nm; height of graph corresponding with relative spectral emission (400mW/klm) per 10nm.



HRI.../N



daylight(D 65)

Special features



General notes

The technical design data in accordance with DIN and IEC. The producer does not take any responsibility for damage to persons or property in case of unsuitable operation or handling of the product. Operating data and dimensions are valid within the usual tolerances. Related lamp types (different bases, mains voltages) may be available on request. Sale and delivery are effected in accordance with the Radium Terms of Delivery and Payment valid on the day of conclusion of contract. Packing units offer economical advantages to the purchase and logistic department. Please match your quantity volume accordingly. For orders of a minimum quantity (clefts) with a lamp model the amount lower than the volume of each packaging unit, we will invoice 10 % additional charge per lamp type. Technical changes and terms of delivery are reserved. Manipulation of any kind to packaging or product is not permissible as this will violate Radium brand rights. Furthermore, technical properties of the product can change to its disadvantage or even destruction. Therefore, Radium cannot be responsible for consequential damages.
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All technical data without guarantee.