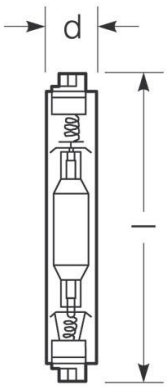
Metal halide lamp with quartz burner
HRI-TS 250W/D/230/FC2

Radium

Product Datasheet Date: 30.10.2026





EL G→A
G

lm
20000

General Data

Article No.	32416805
Code	HRI-TS 250W/D/230/FC2
Product EAN	4008597168055
Box quantitiy (pcs.)	12
EAN Box	4008597468056
Gross weight of box in kg	1.303
Length of box in m	0.257
Width of box in m	0.053
Height of box in m	0.048
Product weight	55 g
Product status	Active

Electric Parameters

Wattage	260.0 W
Weighted energy consumption in 1000 hours	260 kWh
Ignition voltage	4.0 up to 5.0
Nominal choke current	3 A

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Light Application Parameters

Luminous flux	20000 lm
Rated lamp luminous flux	20000 lm
Efficacy / Luminous efficiency	77 lm/W
Total mains efficacy	77 lm/W
Colour temperature	5500 K
Color coordinate X	0.333
Color coordinate Y	0.336
Colour rendering index CRI	90-100

Specification

Energylabel (G -> A)	G
Diameter	26 mm
Length	162 mm
Total length max.	162 mm
Burning position	p45
Lamp shape	Tube, double-ended
Model	Clear
Base	Fc2
Colour	White

Notes on Operation

Burning position	p45

Information especially for EPREL

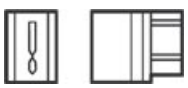
Lighting technology	MH
EPREL ID number	2431152

Notes

Compact MH lamp with quartz burner, tubular bulb clear, daylight, base Fc2. Operation in enclosed luminaire, with ballast and ignitor.

Please, refer to www.radium.de/recycling for notes on disposal of burned-out lamps as well as lamp breakage.
The "lifespan L70" described for LED lamps indicates the number of hours when the luminous flux has decreased to 70% of its initial value.
The optinal 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).

Base



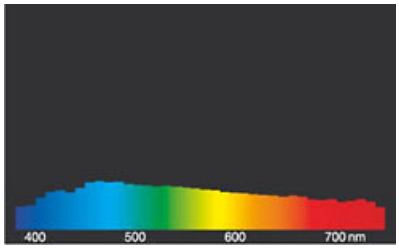
Fc2
IEC/EN 60061-1
sheet 7004-114-1

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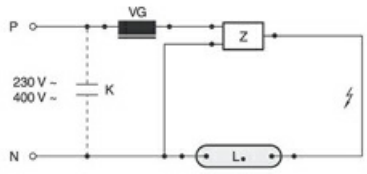
Spectrum

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.



daylight(D 65)

Circuit diagram(s)



Standardschaltung HID mit externem Zündgerät
Zeichenerklärung:
L. = Lampe
VG = Vorschaltgerät Konventionell (KVG/VVG)
P = Phase
N = Null-Leiter
K = Kompensations-Kondensator
Z = Zündgerät

Die notwendigen Geräte (hier Zünd- und Vorschaltgerät) zum Betrieb der Lampe sind normalerweise bereits in den dafür geeigneten Leuchten in der entsprechenden Schaltung installiert. Änderungen aller Art sind nur von qualifiziertem Fachpersonal durchzuführen. Dieses Schaltungsbeispiel ist daher lediglich als technische Hintergrund-Information für interessierte Anwender zu verstehen.

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.