Ralotherm Infrared Radiation Source

59850 500 T3 QIR 120V OG

Radium

Product Datasheet Date: 06.11.2026



Dimmable

General Data

Article No.	24314147
Code	59850 500 T3 QIR 120V OG
Box quantitiy (pcs.)	12
Gross weight of box in kg	0.43
Length of box in m	0.25
Width of box in m	0.12
Height of box in m	0.1
Product weight	17 g
Product status	Inactive

Electric Parameters

Lamp power	500.0 W
Nominal voltage	120 V

Notes

Please, refer to technical information!

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).

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Spectrum

As daylight is a mixture of direct sunlight and light from the sky, the spectral distribution changes all the time due to the time of the day and the weather. The standard illuminant D65 corresponds to daylight with colour temperature of about 6500K.
Incandescent an halogen lamps emit a continouus red-dominated spectrum of electromagnetic radiation as it is generated by heating up a tungsten filament. The wavelength range of visisble light reaches from 380 to 780 nm, above (longer wavelength) there is infrared radiaiton which can be used for targeted heat generation.
The addition of halogens to the filling gas enhances the efficiency and prevents blackening. Further increase in effiency can be achieved by adding Xenon and/or specific coating.

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.