



B



14000



3700K



5 000h

General Data

Article No.	33122310
Code	MRL 500W/235/E40 EX
Product EAN	4050300216928
Box quantity (pcs.)	12
EAN Box	4008321864970
Gross weight of box in kg	4.229
Length of box in m	0.49
Width of box in m	0.38
Height of box in m	0.32
Product status	● Inactive

Electric Parameters

Wattage	530.0 W
Lamp nominal wattage	500 W
Mains voltage	235 V
Nominal current (A)	2.19 A
Running up current max.	130%
Fuse	Delay-action; min. double nominal current

Electric Parameters

dimmable	No
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Light Application Parameters

Luminous flux	14000 lm
Rated lamp luminous flux	14000 lm
Efficacy / Luminous efficiency	26.42 lm/W
Total mains efficacy	29 lm/W
Colour temperature	4000 K
Color rendering index	49
Lumen maintenance at 2000h	0.93
Lumen maintenance at 4000h	0.88
Lumen maintenance at 6000h	0.80
Lumen maintenance at 8000h	0.75

Service Life

Average life	5000 h
Mean service life	5000 h
Lamp survival factor at 2000h	0.98
Lamp survival factor at 4000h	0.95
Lamp survival factor at 6000h	0.91
Lamp survival factor at 8000h	0.86
Lamp survival factor at 12000h	0.76
Lamp survival factor at 16000h	0.66
Lamp survival factor at 20000h	0.55

Specification

Energylabel (E -> A++)	B
Diameter	122 mm
Length	275 mm
Total length max.	275 mm
Burning position	hs30
Mercury content	37.4 mg
Lamp shape	Ellipsoid
Design	opal
Base	E40

Notes on Operation

Burning position	hs30
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Miscellaneous

EU-date of phase-out	13.04.2015
EU Directive	RoHS

Notes

Blended lamp for street or industrial lighting, ballast not needed.

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 optimal 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



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.

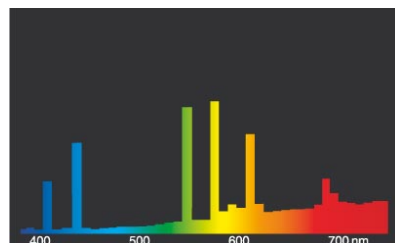
Every discharge lamp type has got an individual spectral power distribution according to its chemical filling. From this result important properties light colour or colour rendering.

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.

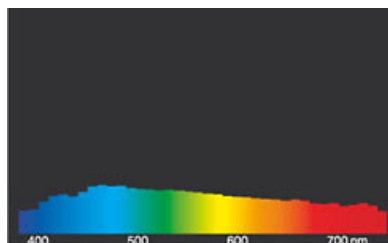
If number and height of the spectral lines within the blue range (around 400 nm) prevails it might be a lamp with a rather cold light colour like for example daylight. On the other hand, should the red (around 700 nm) or the red and yellow (around 600 nm) range be dominant one can assume that the lamp will be a rather warm light colour like WDL.

After the lamp start a mercury vapour lamp needs about 5 minutes time to reach its full luminous flux.

Visible region from 380 to 780 nm; height of graph corresponding with relative spectral emission (400mW/klm) per 10nm.

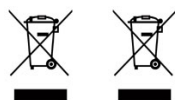


MRL



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.