

Electric Parameters

Mains frequency	50/60 Hz
dimmable	No
Dimming with push-button	No
Power Select	No

Light Application Parameters

Luminous flux adjustable	No
Luminous flux	1600 lm
Rated luminous flux according to IEC 62722-2-1	1600 lm
Beam angle adjustable	No
Beam angle	110 °
Efficacy / Luminous efficiency	89 lm/W
Colour of light adjustable	No
CCT Switch	No
Colour of light	White
Color temperature	6500 K
Color rendering index	≥ 80
Color Stability	≤ 6 sdc _m
Light sharing	Symmetric
With light sensor	No

Service Life

Lifetime L70B50	30000 h
No. switching cycles	≥100000

Specification

Energylabel (E -> A++)	A+
Diameter	225 mm
Height	23 mm
Material	PC/ PS
Impact strength	IK02
Photobiological safety according to EN 62471	RG0
Housing colour	White
With light source	Yes

Notes on Operation

Degree of protection (IP)	IP20
Protection class	III
Mode of operation	with external LED driver
Type of wiring	Ending
Max. number of luminaires per B10 circuit breaker	24
Max. number of luminaires per B16 circuit breaker	30
Max. number of luminaires per C16 circuit breaker	44
Permissible storage temperature	-30...+70 °C
Ambient temperatures	-20...40°C
Glow wire test	650 °C - 30s
Type of control gear	LED operating device current-controlled
With light sensor	No
With movement sensor	No
Emergency power supply integrated	No

Information especially for EPREL

Lighting technology	LED
Mains/Non mains connectable	MLS
Directional or non-directional light	DLS
Type of color temperature	STEPS
Flicker	1.0
Stroboscopic effect	0.4

Notes

Flat LED-Downlight with high grade aluminium casing for integration, homogeneous light emission due to longlife PMMA diffusion disc, non-dim.

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).

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.

LED-luminaire for integration
LED DOWNLIGHT S 18W/6500K WT IP20

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All technical data without guarantee.