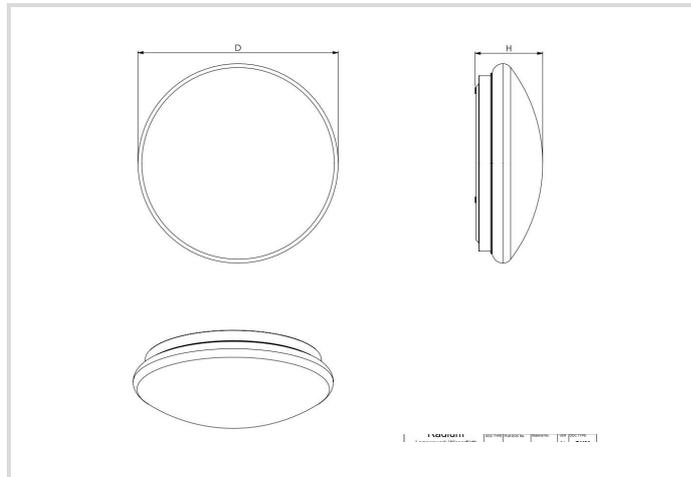


LED Surface Luminaire Essence IP54

Surface E 250 12W CCT

Radium

Product Datasheet Date: 20.05.2026



30004000K

General Data

Artikel Nr.	SFEA5097
Bestellzeichen	SF E 250 12W CCT IP54
EAN-Faltschachtel	4003556015159
Versandeinheit in Stk.	6
EAN Umkarton (Versandeinheit)	4003556415157
Brutto-Gewicht Versandeinheit in kg	3.09
Länge Versandeinheit in m	0.548
Breite Versandeinheit in m	0.275
Höhe Versandeinheit in m	0.28
Product weight	310 g
Produktstatus	● Aktiv

Electric Parameters

Max. system power	12.0 W
Nominal voltage	220-240 V
Voltage type	AC
Nominal current	90 mA
Nominal current (mA)	90 mA

Electric Parameters

Inrush current	1 A
Mains frequency	50/60 Hz Hz
Dimming with push-button	Nein

Light Application Parameters

Luminous flux adjustable	Nein
Luminous flux	1025 lm
Rated luminous flux according to IEC 62722-2-1	1025 lm
Luminous flux @3000K	950 lm
Luminous flux @4000K	1025 lm
Beam angle adjustable	Nein
Beam angle	120 °
Unified Glare Ratio (UGR)	28
Efficacy	85 lm/W
Total mains efficacy	85 lm/W
Colour of light adjustable	Positions
CCT Switch	Nein
Colour of light	White
Color temperature	3000 / 4000 K
Color coordinate X	0.434
Color coordinate Y	0.403
Color rendering index	≥ 80
Color Stability	≤ 6 sdcn
With light sensor	Nein

Service Life

Lifetime L70B50	30000 h
Life L80B10	30000 h
No. switching cycles	≥ 50.000
Guarantee	3

Specification

Diameter	250 mm
Length	250 mm
Height/depth	80 mm
Width	250 mm

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Specification

Material	Steel sheet/ PMMA
Impact strength	IK03
Photobiological safety according to EN 62471	RG0
With light source	Ja
Exchangeable control gear	Ja

Notes on Operation

Degree of protection (IP)	IP54
Connection type	Push-in clamp
Type of wiring	Ending
Max. number of luminaires per B10 circuit breaker	82
Max. number of luminaires per B16 circuit breaker	130
Filament test according to IEC 60695-2-11	650 °C - 30 s
Type of control gear	LED operating device voltage-controlled
With light sensor	Nein
With movement sensor	Nein
Suitable for emergency lighting	Nein
Emergency power supply integrated	Nein

Information especially for EPREL

Mains/Non mains connectable	MLS
Directional or non-directional light	NDLS
Color tunable light source	Ja
Type of color temperature	STEPS
Flickering value Pst LM	1
Stroboscope effect value SVM	0.4
EPREL ID number	2676268

Notes

Universal LED wall and ceiling luminaire IP54, integrated LED driver with power select, adjustable light color (steps)

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).

Spektrale Strahlungsverteilung

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.

The colour of coloured LEDs depends on the chemical elements within the light generating chip. The coloured light is generated directly and does not need filtering.

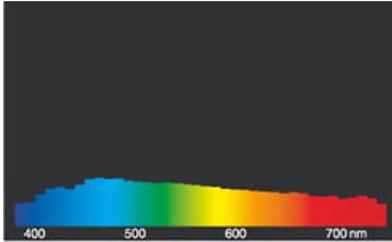
White LEDs are either RGB (red + green + blue chip in one LED = light colour white) or blue LED-chips with yellow/orange phosphor in the resin.

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



daylight(D 65)

Besonderheiten



Allgemeine Hinweise

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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