

LED Downlight Essence IP54

145-155mm 14.5W/830 IP54

Radium

Product Datasheet Date: 20.05.2026



General Data

Artikel Nr.	DLEA5103
Bestellzeichen	DL E 145-155 14.5W/830 IP54
EAN-Faltschachtel	4003556015333
Versandeinheit in Stk.	24
EAN Umkarton (Versandeinheit)	4003556415331
Brutto-Gewicht Versandeinheit in kg	4.259
Länge Versandeinheit in m	0.358
Breite Versandeinheit in m	0.226
Höhe Versandeinheit in m	0.367
Product weight	120 g
Produktstatus	● Aktiv

Electric Parameters

Max. system power	14.5 W
Nominal voltage	220-240 V
Voltage type	AC
Nominal current	113 mA
Nominal current (mA)	113 mA

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Electric Parameters

Number of poles	2
Inrush current	1 A
Mains frequency	50/60 Hz Hz
Dimming with push-button	Nein
Power Select	Nein

Light Application Parameters

Luminous flux adjustable	Nein
Luminous flux	1500 lm
Luminous flux	1500 lm
Beam angle adjustable	Nein
Beam angle	110 °
Unified Glare Ratio (UGR)	28
Efficacy	103 lm/W
Total mains efficacy	103 lm/W
Colour of light adjustable	Nein
CCT Switch	Nein
Colour of light	White
Color temperature	3000 K
Color coordinate X	0.434
Color coordinate Y	0.403
Color rendering index	≥ 80
Color Stability	≤ 6 sdcn
Light sharing	Symmetric
With light sensor	Nein

Service Life

Lifetime L70B50	30000 h
Life L80B10	30000 h
No. switching cycles	≥ 50 000
Guarantee	3

Specification

Diameter	169 mm
Length	169 mm
Height/depth	26 mm

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Specification

Width	169 mm
Cable Length	0.1 m
Material	PC/ PS
Impact strength	IK03
Photobiological safety according to EN 62471	RG0
With light source	Ja
Exchangeable control gear	Nein

Notes on Operation

Degree of protection (IP)	IP54
Connection type	Other
Type of wiring	Ending
Max. number of luminaires per B10 circuit breaker	68
Max. number of luminaires per B16 circuit breaker	108
Ambient temperatures	-20...+40 °C
Luminaire with limited surface temperature, sign "D" according to EN 60598-2-24	Nein
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
Emergency power supply integrated	Nein

Information especially for EPREL

Lighting technology	LED
Mains/Non mains connectable	MLS
Directional or non-directional light	DLS
Color tunable light source	Nein
Type of color temperature	SINGLE_VALUE
Flicker	1.0
Stroboscopic effect	0.4
EPREL ID number	2677049

Notes

Flat LED downlight IP54 for surface/recessed mounting and various ceiling cutouts, Power Select, uniform light emission.

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).

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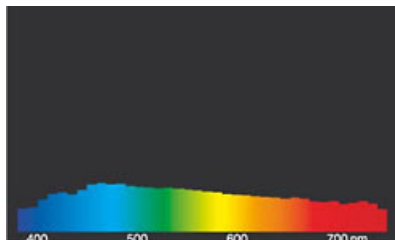
Spektrale Strahlungsverteilung

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.

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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