LEDVANCE

PRODUCT DATASHEET
SPOT DK FIX 7 W 3000 K IP44/IP20 WT

SPOT DARKLIGHT | Recessed mounted spotlight, round shape, Darklight with cut-off

Areas of application

– Replacement of conventional 50 W halogen spotlights
– Hotel rooms
– Bars, restaurants
– Bathrooms
– Shelf and undercabinet lighting
– Galleries, museums
– General illumination

Product benefits

– Design matches the LEDVANCE DOWNLIGHT luminaire family
– Energy savings of up to 90 % compared to halogen lamp spotlights
– Functional and minimalistic design
– Easy installation with fast connection
– External driver for extended flexibility (compatible with selected dim. drivers)
– Designed for extra performance
– 70° cut off angle - perfect for shelf lighting
– 5 years guarantee

Product features

– Luminous efficacy: 85 lm/W
– Luminous flux: 580 lm

- Diameter of required ceiling cut-out: 63 mm
- Color temperature: 3,000 K
- Initial color consistency: ≤ 4 SDCM
- Beam angle: 36°
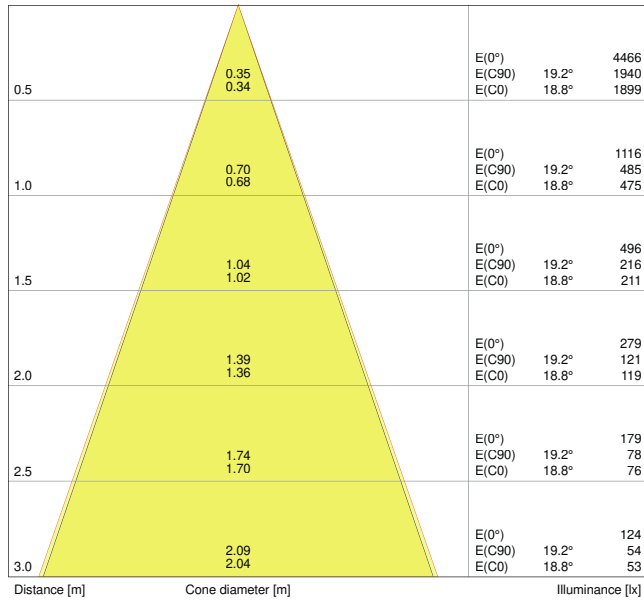- Type of protection, front side: IP44

TECHNICAL DATA

Electrical data

Nominal wattage	7.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	30 mA
Max. no. of lum. on circuit break. B16 A	32
Max. no. of lum. on circuit break. C10 A	25
Max. no. of lum. on circuit break. C16 A	40
Power factor λ	> 0.90
Total harmonic distortion	< 15 %
Protection class	II
Operating mode	Electronic control gear (ECG)

Photometrical data

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Luminous flux	580 lm
Luminous efficacy	85 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	> 80
Standard deviation of color matching	≤4 sdcm
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	36 °

0.5	0.35 0.34	E(0°) E(C90) 19.2° E(C0) 18.8°	4466 1940 1899
1.0	0.70 0.68	E(0°) E(C90) 19.2° E(C0) 18.8°	1116 485 475
1.5	1.04 1.02	E(0°) E(C90) 19.2° E(C0) 18.8°	496 216 211
2.0	1.39 1.36	E(0°) E(C90) 19.2° E(C0) 18.8°	279 121 119
2.5	1.74 1.70	E(0°) E(C90) 19.2° E(C0) 18.8°	179 78 76
3.0	2.09 2.04	E(0°) E(C90) 19.2° E(C0) 18.8°	124 54 53

Distance [m]   Cone diameter [m]   Illuminance [lx]

— C0/C180 (Half beam angle [°]: 37.6°)
— C90/C270 (Half beam angle [°]: 38.4°)

LDC typ cone

cd/klm   η = 100%

— C0/C180
— C90/C270
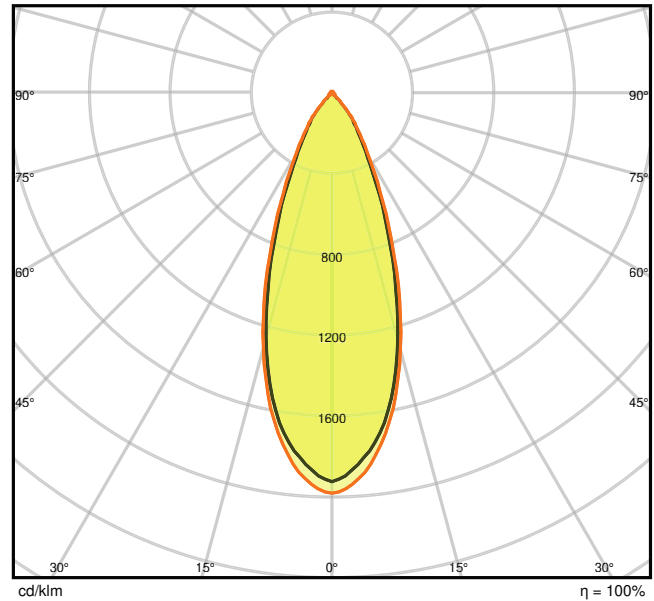
LDC typ polar

Dimensions & Weight

Diameter	70.00 mm
Height	58.00 mm
Product weight	200.00 g
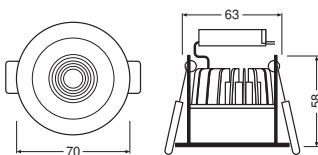
Materials & Colors

Product color	White
Housing color	White
Body material	Aluminum
Light emitting surface material	PMMA

Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20...+45 °C
Type of connection	Screw terminal, 2-Pole (L,N)
Type of protection	IP44/IP20
Protection class IK (shock resistance)	IK06
Dimmable	No
Mounting type	Recessed
Mounting location	Ceiling
Application environment	Indoor
Mounting diameter	63 mm
Mounting depth	90 mm
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	50000 h
Lifespan L80/B10 at 25 °C	40000 h
Lifespan L90/B10 at 25 °C	20000 h
Number of switching cycles	100000

Certificates & Standards

Standards	CE / CB / TÜV SÜD / EAC / RoHS
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

DOWNLOAD DATA

	DOWNLOAD DATA
PDF	User instruction
PDF	Addon Technical Information
	Tender documents

|	DOWNLOAD DATA
PDF	Declarations of conformity
PDF	On-Pack-Info
	IES file (IES)
	LDT file (Eulumdat)
	M3D file (3D Model)
	ULD file (DIALux)
	UGR file (UGR table)

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075127173	Shipping box 20	550 mm x 220 mm x 200 mm	5745.00 g	24.20 dm³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION
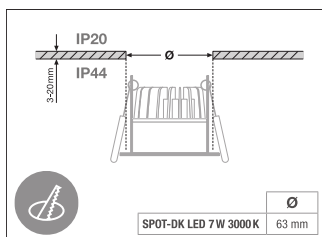
References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.