

# PRODUCT FAMILY DATASHEET

## SPOT DIM

Recessed mounted spotlight, round shape, dimmable



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### Areas of application

- Replacement of halogen lamp spotlights
- General illumination
- Hotel rooms
- Bars, restaurants
- Accent lighting
- Galleries, museums
- Residential interiors

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### Product benefits

- High luminous efficacy
- Design matches the LEDVANCE DOWNLIGHT luminaire family
- Energy savings of up to 90 % compared to halogen lamp spotlights
- Functional and minimalistic design
- Easy and quick installation
- External driver for extended flexibility (compatible with selected DALI drivers)
- 5 years guarantee

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### Product features

- Initial color consistency:  $\leq 4$  SDCM
- Housing material: aluminum
- Lens material: PMMA



TECHNICAL DATA

Electrical data

Product description	Nominal wattage	Nominal voltage	Mains frequency	Nominal current	Max. no. of lum. on circuit break. B16 A
SPOT FIX DIM 8 W 3000 K IP44/IP20 WT	8.00 W	220...240 V	50...60 Hz	170 mA	200
SPOT FIX DIM 8 W 3000 K IP44/IP20 SI	8.00 W	220...240 V	50...60 Hz	170 mA	200
SPOT FIX DIM 8 W 4000 K IP44/IP20 SI	8.00 W	220...240 V	50...60 Hz	170 mA	200
SPOT FIX DIM 8 W 4000 K IP44/IP20 WT	8.00 W	220...240 V	50...60 Hz	170 mA	200

Product description	Max. no. of lum. on circuit break. C10 A	Max. no. of lum. on circuit break. C16 A	Power factor $\lambda$	Total harmonic distortion	Protection class
SPOT FIX DIM 8 W 3000 K IP44/IP20 WT	100	200	> 0.90	20 %	II
SPOT FIX DIM 8 W 3000 K IP44/IP20 SI	100	200	> 0.90	20 %	II
SPOT FIX DIM 8 W 4000 K IP44/IP20 SI	100	200	> 0.90	20 %	II
SPOT FIX DIM 8 W 4000 K IP44/IP20 WT	100	200	> 0.90	20 %	II

Product description	Operating mode
SPOT FIX DIM 8 W 3000 K IP44/IP20 WT	Electronic control gear (ECG)
SPOT FIX DIM 8 W 3000 K IP44/IP20 SI	Electronic control gear (ECG)
SPOT FIX DIM 8 W 4000 K IP44/IP20 SI	Electronic control gear (ECG)
SPOT FIX DIM 8 W 4000 K IP44/IP20 WT	Electronic control gear (ECG)

Photometrical data

Product description	Luminous flux	Luminous efficacy	Color temperature	Light color (designation)	Color rendering index Ra
SPOT FIX DIM 8 W 3000 K IP44/IP20 WT	620 lm	75 lm/W	3000 K	Warm White	> 80
SPOT FIX DIM 8 W 3000 K IP44/IP20 SI	620 lm	75 lm/W	3000 K	Warm White	> 80

Product description	Luminous flux	Luminous efficacy	Color temperature	Light color (designation)	Color rendering index Ra
SPOT FIX DIM 8 W 4000 K IP44/IP20 SI	670 lm	80 lm/W	4000 K	Cool White	> 80
SPOT FIX DIM 8 W 4000 K IP44/IP20 WT	670 lm	80 lm/W	4000 K	Cool White	> 80

Product description	Standard deviation of color matching	Luminous intensity	Flickering metric (Pst LM)	Stroboscope effect metric (SVM)	Photobiological safety group acc. to EN62778
SPOT FIX DIM 8 W 3000 K IP44/IP20 WT	≤4 sdcn	-	-	-	RG0
SPOT FIX DIM 8 W 3000 K IP44/IP20 SI	≤4 sdcn	-	-	-	RG0
SPOT FIX DIM 8 W 4000 K IP44/IP20 SI	≤4 sdcn	-	-	-	RG0
SPOT FIX DIM 8 W 4000 K IP44/IP20 WT	≤4 sdcn	-	-	-	RG0

Product description	Photobiological safety group acc. to EN62471	Beam angle
SPOT FIX DIM 8 W 3000 K IP44/IP20 WT	RG0	36 °
SPOT FIX DIM 8 W 3000 K IP44/IP20 SI	RG0	36 °
SPOT FIX DIM 8 W 4000 K IP44/IP20 SI	RG0	36 °
SPOT FIX DIM 8 W 4000 K IP44/IP20 WT	RG0	36 °

### Dimensions & Weight

Product description	Diameter	Length	Width	Height	Product weight
SPOT FIX DIM 8 W 3000 K IP44/IP20 WT	81.00 mm	- mm	- mm	51.00 mm	268.00 g
SPOT FIX DIM 8 W 3000 K IP44/IP20 SI	81.00 mm	- mm	- mm	51.00 mm	268.00 g
SPOT FIX DIM 8 W 4000 K IP44/IP20 SI	81.00 mm	- mm	- mm	51.00 mm	268.00 g
SPOT FIX DIM 8 W 4000 K IP44/IP20 WT	81.00 mm	- mm	- mm	51.00 mm	268.00 g

Product description
SPOT FIX DIM 8 W 3000 K IP44/IP20 WT

Product description
SPOT FIX DIM 8 W 3000 K IP44/IP20 SI
SPOT FIX DIM 8 W 4000 K IP44/IP20 SI
SPOT FIX DIM 8 W 4000 K IP44/IP20 WT

**Materials & Colors**

Product description	Product color	Housing color	Body material	Light emitting surface material	Glow Wire Test according to IEC 60695-2-12
SPOT FIX DIM 8 W 3000 K IP44/IP20 WT	White	White	Aluminum	PMMA	650 °C
SPOT FIX DIM 8 W 3000 K IP44/IP20 SI	Silver	Silver	Aluminum	PMMA	650 °C
SPOT FIX DIM 8 W 4000 K IP44/IP20 SI	Silver	Silver	Aluminum	PMMA	650 °C
SPOT FIX DIM 8 W 4000 K IP44/IP20 WT	White	White	Aluminum	PMMA	650 °C

Product description	Mercury content
SPOT FIX DIM 8 W 3000 K IP44/IP20 WT	0.0 mg
SPOT FIX DIM 8 W 3000 K IP44/IP20 SI	0.0 mg
SPOT FIX DIM 8 W 4000 K IP44/IP20 SI	0.0 mg
SPOT FIX DIM 8 W 4000 K IP44/IP20 WT	0.0 mg

**Application & Mounting**

Product description	Ambient temperature range	Type of connection	Type of protection	Protection class IK (shock resistance)	Dimmable
SPOT FIX DIM 8 W 3000 K IP44/IP20 WT	-20...+45 °C	Screw terminal, 2-Pole (L,N)	IP44/IP20	IK06	Yes
SPOT FIX DIM 8 W 3000 K IP44/IP20 SI	-20...+45 °C	Screw terminal, 2-Pole (L,N)	IP44/IP20	IK06	Yes
SPOT FIX DIM 8 W 4000 K IP44/IP20 SI	-20...+45 °C	Screw terminal, 2-Pole (L,N)	IP44/IP20	IK06	Yes
SPOT FIX DIM 8 W 4000 K IP44/IP20 WT	-20...+45 °C	Screw terminal, 2-Pole (L,N)	IP44/IP20	IK06	Yes

Product description	Type of dimming [GMS]	Mounting type	Mounting location	Mounting width	Mounting diameter
SPOT FIX DIM 8 W 3000 K IP44/IP20 WT	LEA/TR.EDG	Recessed	Ceiling	- mm	- mm
SPOT FIX DIM 8 W 3000 K IP44/IP20 SI	LEA/TR.EDG	Recessed	Ceiling	- mm	- mm
SPOT FIX DIM 8 W 4000 K IP44/IP20 SI	LEA/TR.EDG	Recessed	Ceiling	- mm	- mm
SPOT FIX DIM 8 W 4000 K IP44/IP20 WT	LEA/TR.EDG	Recessed	Ceiling	- mm	- mm

Product description	LED module replaceable
SPOT FIX DIM 8 W 3000 K IP44/IP20 WT	Not replaceable
SPOT FIX DIM 8 W 3000 K IP44/IP20 SI	Not replaceable
SPOT FIX DIM 8 W 4000 K IP44/IP20 SI	Not replaceable
SPOT FIX DIM 8 W 4000 K IP44/IP20 WT	Not replaceable

**Lifespan**

Product description	Lifespan L70/B50 at 25 °C	Lifespan L80/B10 at 25 °C	Lifespan L90/B10 at 25 °C	Number of switching cycles
SPOT FIX DIM 8 W 3000 K IP44/IP20 WT	50000 h	40000 h	20000 h	100000
SPOT FIX DIM 8 W 3000 K IP44/IP20 SI	50000 h	40000 h	20000 h	100000
SPOT FIX DIM 8 W 4000 K IP44/IP20 SI	50000 h	40000 h	20000 h	100000
SPOT FIX DIM 8 W 4000 K IP44/IP20 WT	50000 h	40000 h	20000 h	100000

**Control gear**

Product description	ECG - Length	ECG - Height
SPOT FIX DIM 8 W 3000 K IP44/IP20 WT	120 mm	35 mm
SPOT FIX DIM 8 W 3000 K IP44/IP20 SI	120 mm	35 mm
SPOT FIX DIM 8 W 4000 K IP44/IP20 SI	120 mm	35 mm
SPOT FIX DIM 8 W 4000 K IP44/IP20 WT	120 mm	35 mm

Certificates & Standards

Product description	Standards	Luminaire with limited surface temperature, "D sign"	Ball shot safe
SPOT FIX DIM 8 W 3000 K IP44/IP20 WT	CE / CB / TÜV SÜD / EAC / RoHS	No	No
SPOT FIX DIM 8 W 3000 K IP44/IP20 SI	CE / CB / TÜV SÜD / EAC / RoHS	No	No
SPOT FIX DIM 8 W 4000 K IP44/IP20 SI	CE / CB / TÜV SÜD / EAC / RoHS	No	No
SPOT FIX DIM 8 W 4000 K IP44/IP20 WT	CE / CB / TÜV SÜD / EAC / RoHS	No	No

APPLICATION ADVICE

For more detailed application information and graphics please see product datasheet.





SALES AND TECHNICAL SUPPORT
















Sales and Technical Support [www.ledvance.com](http://www.ledvance.com)















COUNTRY SPECIFIC INFORMATION

Product description	Product code	METEL-Code	SEG number	STK number	UK Org
SPOT FIX DIM 8 W 3000 K IP44/IP20 WT	4058075127043	-	7451247	4125300	-
SPOT FIX DIM 8 W 3000 K IP44/IP20 SI	4058075126923	-	7451249	4125302	-
SPOT FIX DIM 8 W 4000 K IP44/IP20 SI	4058075127067	-	7451269	4125303	-
SPOT FIX DIM 8 W 4000 K IP44/IP20 WT	4058075127104	-	7451248	4125301	-

DOWNLOAD DATA

DOWNLOAD DATA	
	User instruction User Instruction Spot LED DIM
	PRODUCT DATASHEET SPOT LED 68 8 W 3000 K IP44 DIM WT
	Tender documents Tender Text 4058075127043
	Declarations of conformity Attestation-of-Conformity-Spot LED -Fix DIM +Downlight LED 35W TÜV

DOWNLOAD DATA	
	On-Pack-Info Legal Insert Spot LED
	IES file (IES) Spot LED fix 8W 3000K WT DIM IP44
	LDT file (Eulumdat) Spot LED fix 8W 3000K WT DIM IP44
	M3D file (3D Model) Spot LED 68.m3d
	ULD file (DIALux) SPOTDIM8W3000KIP44WT
	User instruction User Instruction Spot LED DIM
	PRODUCT DATASHEET SPOT LED 68 8 W 3000 K IP44 DIM SI
	Tender documents Tender Text 4058075126923
	Declarations of conformity Attestation-of-Conformity-Spot LED -Fix DIM +Downlight LED 35W TÜV
	On-Pack-Info Legal Insert Spot LED
	IES file (IES) Spot LED fix 8W 3000K SI DIM IP44
	LDT file (Eulumdat) Spot LED fix 8W 3000K SI DIM IP44
	M3D file (3D Model) Spot LED 68.m3d
	ULD file (DIALux) SPOTDIM8W3000KIP44SI
	User instruction User Instruction Spot LED DIM
	PRODUCT DATASHEET SPOT LED 68 8 W 4000 K IP44 DIM SI
	Tender documents Tender Text 4058075127067
	Declarations of conformity Attestation-of-Conformity-Spot LED -Fix DIM +Downlight LED 35W TÜV

DOWNLOAD DATA	
	On-Pack-Info Legal Insert Spot LED
	IES file (IES) Spot LED fix 8W 4000K SI DIM IP44
	LDT file (Eulumdat) Spot LED fix 8W 4000K SI DIM IP44
	M3D file (3D Model) Spot LED 68.m3d
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	M3D file (3D Model) Spot LED 68.m3d
	ULD file (DIALux) SPOTDIM8W4000KIP44WT

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075127043	Folding box 1	142 mm x 102 mm x 112 mm	354.00 g	1.62 dm <sup>3</sup>
4058075126923	Folding box 1	142 mm x 102 mm x 112 mm	354.00 g	1.62 dm <sup>3</sup>
4058075127067	Folding box 1	142 mm x 102 mm x 112 mm	354.00 g	1.62 dm <sup>3</sup>

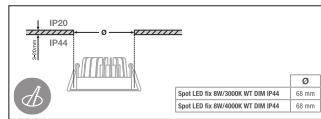
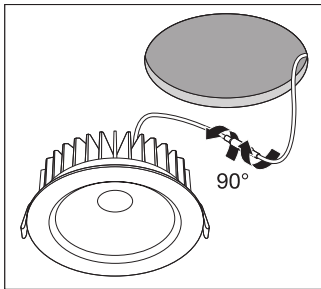




Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075127104	Folding box 1	142 mm x 102 mm x 112 mm	354.00 g	1.62 dm <sup>3</sup>

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](http://www.ledvance.com/guarantee)

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