

# PRODUCT DATASHEET

Product Code: F23XXXX

Spot with stable metal ring 3W 120 °

LED SPOT DOWNLIGHT  $\Phi$ 50 | Luminaires



**SAMSUNG**  
LED CHIP INSIDE

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## Areas of Application

- Elevators
- Offices
- Home Appliances
- Retail
- Shops, boutiques
- Hotel Rooms
- Stairways
- Corridors
- Lobbies

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## Product Benefits

- Energy saving up to 95%
- Easy installation
- No IR and UV radiation
- Mercury free
- High luminous efficacy
- Die-cast aluminium housing for improved heat dissipation
- Shallow mounting depth
- Various options to highlight target areas
- 5 years guarantee

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## Product features

- Working voltage 12V / 24V / 48V / 230V
- Beam angle: 120 degrees
- Diameter of required ceiling cut out: 60mm
- CRI 85+

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## TECHNICAL DATA

### Electrical Data

Nominal power consumption	3 W
Rated power consumption	3 W
Working Voltage	12V / 24V / 48V / 230V
Lamp equivalent	50 W
Rated efficacy	165 lm/W @ 5700 K
Operating frequency	50...60 Hz
Power factor	> 0,90

### Photometrical Data

Nominal luminous flux	495 lm
Rated luminous flux	495 lm
Luminous efficacy	165 lm/W @ 5700 K
Colour Temperature	3000 K / 4000 K / 6000K
Light Colour (designation)	Warm White / Neutral White / Cool White
Colour rendering index Ra	> 85
Beam angle	120 °
Standard deviation of colour matching	< 3 sdcn
Starting Time	0.5s (max)
Lumen degradation after 12.000 hrs	0%
Lumen degradation after 16.000 hrs	0%
Lumen degradation after 20.000 hrs	0%
Number of LEDs	48

### Dimensions & Weight

External Diameter	78 mm
Height	24 mm
Cutting Hole	60 mm

## Material & Colours

PCB Colour	White
Housing Colour	White / Chrome / Nickel / Special
Body material	Aluminium
Cover Material	Polymethylmethacrylate (PMMA)
Mercury content	0.0 mg

## Application & Mounting

Ambient temperature range	-20...+45 °C
Type of connection	Cables , 2-Pole (L,N)
Dimmable	Yes
Mounting Type	Recessed
Anti-thief Application	Galvanized Bracket (optional)
Mounting location	Ceiling
Mounting Depth	20 mm
LED PCB replaceable	Yes

## Lifespan

Lifespan of LED PCB at 25°C	50.000 hrs
Rated lamp survival factor after 12.000 hrs	0.99
Rated lamp survival factor after 16.000 hrs	0.99
Rated lamp survival factor after 20.000 hrs	0.99

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## LOGISTICAL DATA

Product Code	Packaging Unit	Dimensions (LxWxH)	Gross Weight	Volume
F23XXXX	Folding box 1 piece	81mm x 81mm x 42mm	86.00 g	2.75 dm <sup>3</sup>
	Shipping box 100 pieces	420mm x 320mm x 220mm	10.000 g	29.56 dm <sup>3</sup>