

PRODUCT DATASHEET

Product Code: F23XXXX

Spot with stable metal ring 3W 120 °

LED SPOT DOWNLIGHT Φ 50 | Luminaires



SAMSUNG
LED CHIP INSIDE

Areas of Application

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

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

Product features

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

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	> 90
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

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 ³
	Shipping box 100 pieces	420mm x 320mm x 220mm	10.000 g	29.56 dm ³