# PRODUCT DATASHEET

## Product Code: F23W0114
## Vandal – Proof Spot 3W 120 °
## Vandal -Proof LED SPOT DOWNLIGHT 2-Part Screwed Body | Luminaires

### Areas of Application

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

### Product Benefits

- Energy saving up to 95%
- **Over Protected with 6mm Tempered Safety Glass**
- **Vandal-Proof Category II Certified IK10 Rating**
- **EN81-71:2022 Certified**
- Easy installation
- No IR and UV radiation
- Mercury free
- High luminous efficacy
- Die-cast aluminium housing for improved heat dissipation and durability
- 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: 62mm
- 2-Part screwed Body (PCB Holder & Ring Separate)
- 2 screws on ring that penetrate the ceiling and screwed for Anti-Theft application.
- Ω metal blockade for Anti-theft application.


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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 | > 90 |
| Bean angle | 120 ° |
| Standard deviation of colour matching | < 3 sdcm |
| 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

| | |
|---|---|
| External Diameter (Ring) | 100 mm |
| Height (Ring and PCB Holder with Springs) | 34 mm |
| Depth | 26 mm minus the ceiling thickness |
| Cutting Hole | 62 mm |


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## Material & Colours

| | |
|---|---|
| PCB Colour | White |
| Housing Colour | White / Chrome / Special |
| Body material | Aluminium |
| Cover Material | 6mm Tempered Safety Glass |
| IK Rating (Impact Protection) | IK10 |
| Mercury content | 0.0 mg |

## Application & Mounting

| | |
|---|---|
| Ambient temperature range | -20…+45 °C |
| Type of connection | Cables , 2-Pole (L,N) |
| Dimmable | Yes (12VDC with FRWD0805) |
| Mounting Type | Recessed |
| Anti-thief Application | Screws with Patron & Galvanized Bracket (optional) |
| Mounting location | Ceiling / Elevator Door |
| Mounting Depth | 26 mm minus the ceiling thickness |
| 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 |
|---|---|---|---|---|
| **F12C0714** | Folding box<br>1 piece | 105mm x 105mm x 50mm | 192.00 g | 2.75 dm³ |
| | Shipping box<br>50 pieces | 600mm x 320mm x 600mm | 15.000 g | 29.56 dm³ |


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