

# PRODUCT DATASHEET

## LED Classic A 60 Motion Sensor S 8.8W 827 Frosted E27

LED CLASSIC A MOTION & DAYLIGHT SENSOR | Special lamps with motion sensor and integrated daylight sensor, classic bulb shape



SUPERIOR  
CLASS

### Areas of application

- Staircases, corridor, basement, entrance
- Lamp needs to be turned on only when motion is detected and ambient is dark
- Outdoor use in suitable outdoor luminaires only

### Product benefits

- Energy-saving solution thanks to motion sensor and automatic switch off at daylight
- Short payback period thanks to low energy consumption and maintenance costs
- Easy replacement of halogen lamps thanks to compact design
- Automatic light switch off 30 seconds after the last motion detection
- Illumination threshold for automatic switching: 20 lx
- Lower energy consumption than incandescent or halogen lamps

### Product features

- Integrated microwave sensor can detect fine movement also through plastic and glass fixtures
- Detection range up to 3 meter and 90°
- Integrated light sensor switches the light on only when it is dark



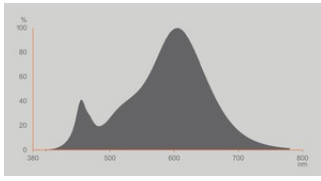
## TECHNICAL DATA

### Electrical data

|  |             |
|--|-------------|
| Nominal wattage                        | 8.8 W       |
| Construction wattage                   | 8.80 W      |
| Nominal voltage                        | 220...240 V |
| Operating mode                         | AC Mains    |
| Claimed equiv. conventional lamp power | 60 W        |
| Nominal current                        | 55 mA       |
| Type of current                        | AC          |
| Inrush current                         | 0.24 A      |
| Operating frequency                    | 50/60 Hz    |
| Mains frequency                        | 50/60 Hz    |
| Max. lamp number on MCB B10 A          | 125         |
| Max. lamp number on MCB B16 A          | 200         |
| Total harmonic distortion              | 86 %        |
| Power factor $\lambda$                 | > 0.50      |

### Photometrical data

|   |            |
|---|------------|
| Luminous flux                           | 806 lm     |
| Nominal useful luminous flux 90°        | 806 lm     |
| Luminous efficacy                       | 91 lm/W    |
| Lumen main.fact.at end of nom.life time | 0.96       |
| Light color (designation)               | Warm White |
| Color temperature                       | 2700 K     |
| Color rendering index Ra                | 80         |
| Light color                             | 827        |
| Standard deviation of color matching    | ≤6 sdcn    |
| Rated LLMF at 6,000 h                   | 0.80       |
| Flickering metric (Pst LM)              | 1.0        |
| Stroboscope effect metric (SVM)         | 0.4        |



EPREL Data Spectral Diagram  
LEDr\_classic A\_B\_P\_2700K\_827

### Light technical data

|                     |         |
|---------------------|---------|
| Beam angle          | 200 °   |
| Warm-up time (60 %) | 0.50 s  |
| Starting time       | < 0.5 s |

### Dimensions & Weight

|                  |           |
|------------------|-----------|
| Overall length   | 112.00 mm |
| Diameter         | 60.00 mm  |
| Maximum diameter | 60 mm     |
| Product weight   | 35.00 g   |

### Temperatures & operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Ambient temperature range            | -20...+40 °C |
| Maximum temperature at tc test point | 84.8 °C      |

### Lifespan

|  |         |
|--|---------|
| Lifespan L70/B50 at 25 °C                    | 25000 h |
| Number of switching cycles                   | 100000  |
| Lumen maintenance at end of service lifetime | 0.96    |
| Rated lamp survival factor at 6,000 h        | ≥ 0.90  |

### Additional product data

|                             |        |
|-----------------------------|--------|
| Base (standard designation) | E27    |
| Mercury content             | 0.0 mg |

|                  |  |
|------------------|--|
| Mercury-free     | Yes  |
| Design / version | Frosted  |
| Product remark   | All technical parameters apply to the entire lamp / Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value |
| Added function   | Day & Night Sensor   |

### Capabilities

|          |    |
|----------|----|
| Dimmable | No |
|----------|----|

### Certificates & Standards

|  |                 |
|--|-----------------|
| Energy efficiency class                      | F 1)            |
| Energy consumption                           | 9.00 kWh/1000h  |
| Type of protection                           | IP20            |
| Standards                                    | CE / EAC / UKCA |
| Photobiological safety group acc. to EN62778 | RG1             |

1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

### Country-specific categorizations

|                 |                 |
|-----------------|-----------------|
| Order reference | LED CLA60 MS 8. |
|-----------------|-----------------|

### LOGISTICAL DATA

|                              |              |
|------------------------------|--------------|
| Temperature range at storage | -20...+80 °C |
|------------------------------|--------------|

### Energy labelling regulation data acc EU 2019/2015




|   |              |
|---|--------------|
| Lighting technology used                            | LED          |
| Non-directional or directional                      | NDLS         |
| Mains or non-mains                                  | MLS          |
| Light source cap-type (or other electric interface) | E27          |
| Connected light source (CLS)                        | No           |
| Color-tuneable light source                         | No           |
| Envelope  | No           |
| High luminance light source                         | No           |
| Anti-glare shield                                   | No           |
| Correlated colour temperature type                  | SINGLE_VALUE |
| Standby power                                       | 0.50 W       |

|  |                 |
|--|-----------------|
| Claim of equivalent power                            | Yes             |
| Length   | 112.00 mm       |
| Height   | 60.00 mm        |
| Width  | 60.00 mm        |
| Chromaticity coordinate x                            | 0.4578          |
| Chromaticity coordinate y                            | 0.4101          |
| R9 Colour rendering index                            | 4               |
| Beam angle correspondence                            | SPHERE_360      |
| Survival factor                                      | 0.90            |
| Displacement factor                                  | 0.99            |
| LED light source replaces a fluorescent light source | No              |
| EPREL ID   | 1338685,2190117 |
| Model number   | AC45042,AC69387 |

### Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

### DOWNLOAD DATA

| Documents and certificates  |                                 | Document name  |
|---|---------------------------------|--|
|   | Declarations of conformity      | Classic A60 A75  |
|   | Declarations of conformity UKCA | Classic A60 A75 UKCA                                     |
| Photometric and lighting design files   |                                 | Document name  |
|  | Spectral power distribution     | EPREL Data Spectral Diagram LEDr_classic A_B_P_2700K_827 |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4099854094200 | Folding box<br>1             | 61 mm x 61 mm x 116 mm               | 48.00 g      | 0.43 dm <sup>3</sup> |
| 4099854094217 | Shipping box<br>10           | 315 mm x 136 mm x 130 mm             | 581.00 g     | 5.57 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.

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## DISCLAIMER

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