

## PRODUCT DATASHEET

### VALUE CLAS A 40 FR 4.9 W/2700 K E27

LED VALUE CLASSIC A | LED lamps, classic bulb shape



#### Areas of application

- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

#### Product benefits

- Lower energy consumption than incandescent or halogen lamps
- Can be easily fitted instead of ordinary light bulbs

#### Product features

- LED alternative to conventional lamps
- Not dimmable
- Good color rendering ( $R_a \geq 80$ ) and color stability throughout the life of the lamp



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**TECHNICAL DATA****Electrical data**

|  |             |
|--|-------------|
| Nominal wattage                        | 4.9 W       |
| Construction wattage                   | 4.90 W      |
| Nominal voltage                        | 220...240 V |
| Claimed equiv. conventional lamp power | 40 W        |
| Nominal current                        | 42 mA       |
| Type of current                        | AC          |
| Inrush current                         | 10 A        |
| Operating frequency                    | 50...60 Hz  |
| Mains frequency                        | 50...60 Hz  |
| Max. lamp number on MCB B10 A          | 200         |
| Max. lamp number on MCB B16 A          | 320         |
| Total harmonic distortion              | 125 %       |
| Power factor $\lambda$                 | > 0.50      |

**Photometrical data**

|   |            |
|---|------------|
| Luminous flux                           | 470 lm     |
| Nominal useful luminous flux 90°        | 470 lm     |
| Luminous efficacy                       | 95 lm/W    |
| Lumen main.fact.at end of nom.life time | 0.70       |
| 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)         | 0.9        |

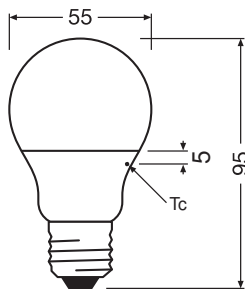


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### Light technical data

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

### Dimensions & Weight



|                  |          |
|------------------|----------|
| Overall length   | 95.00 mm |
| Diameter         | 55.00 mm |
| Maximum diameter | 55 mm    |
| Product weight   | 24.00 g  |

### Temperatures & operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Ambient temperature range            | -20...+40 °C |
| Maximum temperature at tc test point | 75 °C        |

### Lifespan

|  |         |
|--|---------|
| Lifespan L70/B50 at 25 °C                    | 10000 h |
| Number of switching cycles                   | 100000  |
| Lumen maintenance at end of service lifetime | 0.70    |
| 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 |

### Capabilities

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

### Certificates & Standards

|  |                                  |
|--|----------------------------------|
| Energy efficiency class                      | F <sup>1)</sup>                  |
| Energy consumption                           | 5.00 kWh/1000h                   |
| Type of protection                           | IP20                             |
| Standards                                    | ROHS 2.0 / REACH / CE / CB / ERP |
| Photobiological safety group acc. to EN62778 | RG0                              |

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

### Country-specific categorizations

|                 |                               |
|-----------------|-------------------------------|
| ILCOS           | DRAA/F-5,5/827-220-240-E27-60 |
| Order reference | VALUE CLA404,9W               |

### 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  | 0.00  |
| Claim of equivalent power                            | Yes   |
| Length   | 95.00 mm  |
| Height   | 55.00 mm  |
| Width  | 55.00 mm  |
| Chromaticity coordinate x                            | 0.458   |
| Chromaticity coordinate y                            | 0.410   |
| Beam angle correspondence                            | SPHERE_360                                      |
| Survival factor                                      | 0.90  |
| Displacement factor                                  | 0.5   |
| LED light source replaces a fluorescent light source | No  |
| EPREL ID   | 1403217,523303,1381360,1857048,1855185          |
| Model number   | AC31145,AC44909,AC24701,AC56429,AC55977,AC55977 |

### 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 | EC Declaration of Conformity Classic A lamp                             |
|  | Declarations of conformity | EC Declaration of Conformity CLA Non Dim AC31141-56 AC31177-9 AC34531-3 |
| Photometric and lighting design files  |                            | Document name   |
|  | IES file (IES)             | AC08344_CLA40 5,5W 230VFR E27   |

| Photometric and lighting design files  | Document name                           |
|--|---|
|  LDT file (Eulumdat)                 | AC08344_CLA40 5,5W 230VFR E27           |
|  UGR file (UGR table)                | LED CLA40 5W 827 230VFR E27 BLI1 STARL  |
|  Light distribution curve type cone  | VALUE CLA40 5W 827 230VFR E27 FS1 OSRAM |
|  Light distribution curve type cone  | LED CLA40 5W 827 230VFR E27 BLI1 STARL  |
|  Light distribution curve type cone  | LED CLA40 5W 827 230VFR E27 FS2 REAL    |
|  Light distribution curve type polar | LED CLA40 5W 827 230VFR E27 FS2 REAL    |
|  Light distribution curve type polar | VALUE CLA40 5W 827 230VFR E27 FS1 OSRAM |
|  Light distribution curve type polar | LED CLA40 5W 827 230VFR E27 BLI1 STARL  |
|  Spectral power distribution         | 349927_2700K_Evl_5630.eps               |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4052899326927 | Folding box<br>1             | 55 mm x 55 mm x 102 mm               | 37.00 g      | 0.31 dm <sup>3</sup>  |
| 4058075803893 | Bundle<br>2                  |                                      |              |                       |
| 4058075019102 | Bundle<br>3                  |                                      |              |                       |
| 4058075803909 | Shipping box<br>20           | 316 mm x 252 mm x 125 mm             | 1362.00 g    | 9.95 dm <sup>3</sup>  |
| 4058075019119 | Shipping box<br>30           | 372 mm x 315 mm x 125 mm             | 1948.00 g    | 14.65 dm <sup>3</sup> |
| 4052899326934 | Shipping box<br>10           | 290 mm x 122 mm x 116 mm             | 450.00 g     | 4.10 dm <sup>3</sup>  |
| 4052899326941 | Shipping box<br>60           |                                      |              |                       |

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.

DISCLAIMER

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