

## PRODUCT DATASHEET

### VALUE CLAS P 40 FR 4.9 W/4000 K E14

LED VALUE CLASSIC P | LED lamps, classic mini-ball shape



#### Areas of application

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

#### Product benefits

- Very low energy consumption
- Simple direct replacement for conventional incandescent lamps
- Instant 100 % light, no warm-up time

#### 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



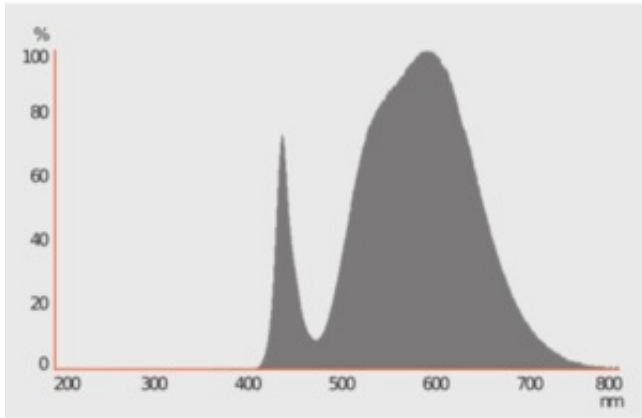
## TECHNICAL DATA

### Electrical data

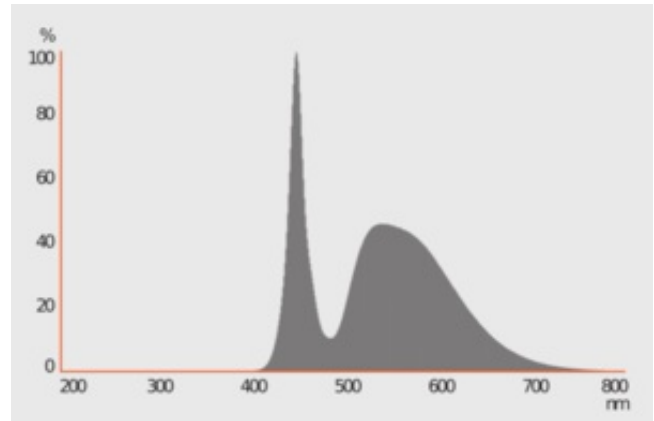
|  |             |
|--|-------------|
| Nominal wattage                          | 4.9 W       |
| Construction wattage                     | 4.90 W      |
| Nominal voltage                          | 220...240 V |
| Claimed equiv. conventional lamp power   | 40 W        |
| Nominal current                          | 36 mA       |
| Type of current                          | AC          |
| Inrush current                           | 10 A        |
| Operating frequency                      | 50...60 Hz  |
| Mains frequency                          | 50...60 Hz  |
| Max. lamp no. on circuit break. 10 A (B) | 210         |
| Max. lamp no. on circuit break. 16 A (B) | 320         |
| Total harmonic distortion                | 126 %       |
| 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)               | Cool White          |
| Color temperature                       | 4000 K              |
| Color rendering index Ra                | ≥80                 |
| Light color                             | 840                 |
| Standard deviation of color matching    | ≤6 sdc <sub>m</sub> |
| Rated LLMF at 6,000 h                   | 0.80                |
| Flickering metric (Pst LM)              | 1.0                 |
| Stroboscope effect metric (SVM)         | 0.9                 |



Spectral power distribution

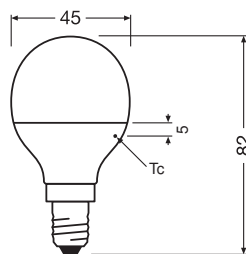


Spectral power distribution

### Light technical data

|                                    |          |
|------------------------------------|----------|
| Beam angle                         | 200 °    |
| Warm-up time (60 %)                | 0.50 s   |
| Starting time                      | < 0.5 s  |
| Rated beam angle (half peak value) | 200.00 ° |

### Dimensions & Weight



|                |          |
|----------------|----------|
| Overall length | 82.00 mm |
|----------------|----------|

|                  |          |
|------------------|----------|
| Diameter         | 45.00 mm |
| Maximum diameter | 45 mm    |
| Product weight   | 19.00 g  |

### Temperatures & operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Ambient temperature range            | -20...+40 °C |
| Maximum temperature at tc test point | 78 °C        |

### Lifespan

|                                     |         |
|-------------------------------------|---------|
| Lifespan                            | 10000 h |
| Number of switching cycles          | 100000  |
| Lumen maintenance at end of serv    | 0.70    |
| Rated lamp survival factor at 6,000 | ≥ 0.90  |

### Additional product data

|                             |  |
|-----------------------------|--|
| Base (standard designation) | E14  |
| 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

|                 |                 |
|-----------------|-----------------|
| Order reference | VALUECLP40 4,9W |
|-----------------|-----------------|



**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)  | E14                     |
| 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   | 82.00 mm                |
| Height   | 45.00 mm                |
| Width  | 45.00 mm                |
| Chromaticity coordinate x                            | 0.382                   |
| Chromaticity coordinate y                            | 0.380                   |
| R9 Colour rendering index                            | 0.00                    |
| Beam angle correspondence                            | SPHERE_360              |
| Survival factor                                      | 0.90                    |
| Displacement factor                                  | 0.5                     |
| LED light source replaces a fluorescent light source | No                      |
| EPREL ID   | 523324,1381390,1403242  |
| Model number   | AC31166,AC44939,AC24729 |

**DOWNLOAD DATA**

| DOWNLOAD DATA   |                   |
|---|-------------------|
|   | PRODUCT DATASHEET |
|  | IES file (IES)    |

## DOWNLOAD DATA



LDT file (Eulumdat)



UGR file (UGR table)

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075147911 | Folding box<br>1             | 45 mm x 45 mm x 84 mm                | 28.00 g      | 0.17 dm <sup>3</sup> |
| 4058075147928 | Shipping box<br>10           | 238 mm x 99 mm x 95 mm               | 341.00 g     | 2.24 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.

## DISCLAIMER

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