



# Essential LED bulbs

## ESS LEDBulb 12W E27 3000K HV 3PF/6 AR

Essential LEDbulbs are compatible with existing fixtures with a E27 holder and are designed for retrofit replacement of incandescent, halogen and energy saving bulbs. They deliver huge energy savings and minimize initial investment

### Product data

| General Information |                |
|---------------------|----------------|
| Cap-Base            | E27            |
| Nominal lifetime    | 12.000 hour(s) |
| Switching Cycle     | 50,000         |
| Lighting Technology | LED            |
| EU RoHS compliant   | Yes            |

| Light Technical                       |                    |
|---------------------------------------|--------------------|
| Color Code                            | 830 [CCT of 3000K] |
| Beam Angle (Nom)                      | 150 degree(s)      |
| Luminous Flux                         | 1,110 lm           |
| Color Designation                     | White (WH)         |
| Correlated Color Temperature (Nom)    | 3000 K             |
| Luminous Efficacy (rated) (Nom)       | 92.00 lm/W         |
| Color Consistency                     | <6                 |
| Color rendering index (CRI)           | 80                 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %               |

| Operating and Electrical |             |
|--------------------------|-------------|
| Line Frequency           | 50 to 60 Hz |
| Input Frequency          | 50 to 60 Hz |
| Power Consumption        | 12 W        |
| Lamp Current (Nom)       | 95 mA       |
| Wattage Equivalent       | 95 W        |

|                           |           |
|---------------------------|-----------|
| Starting Time (Nom)       | 0.5 s     |
| Warm-up time to 60% light | 0.5 s     |
| Power Factor (Fraction)   | 0.5       |
| Voltage (Nom)             | 220-240 V |

| Temperature          |       |
|----------------------|-------|
| T-Case Maximum (Nom) | 95 °C |

| Controls and Dimming |    |
|----------------------|----|
| Dimmable             | No |

| Mechanical and Housing |         |
|------------------------|---------|
| Bulb Finish            | Frosted |
| Bulb Shape             | A60     |

| Approval and Application      |        |
|-------------------------------|--------|
| Energy Consumption kWh/1000 h | 12 kWh |

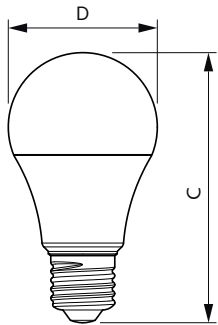
| Product Data        |                                       |
|---------------------|---------------------------------------|
| Order product name  | ESS LEDBulb 12W E27 3000K HV 3PF/6 AR |
| Full product name   | ESS LEDBulb 12W E27 3000K HV 3PF/6 AR |
| Full product code   | 871869974726800                       |
| Order code          | 929002324096                          |
| Material Nr. (12NC) | 929002324096                          |

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|                                 |               |
|---------------------------------|---------------|
| Numerator - Quantity Per Pack   | 1             |
| EAN/UPC - Product/Case          | 8718699747268 |
| Numerator - Packs per outer box | 6             |

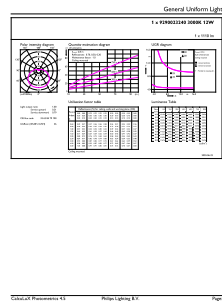
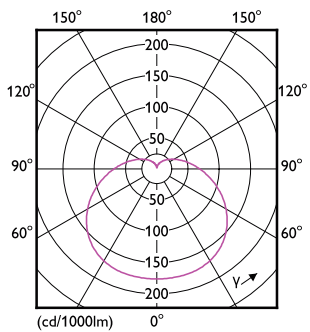
|                |               |
|----------------|---------------|
| EAN/UPC - Case | 8718699747275 |
|----------------|---------------|

## Dimensional drawing



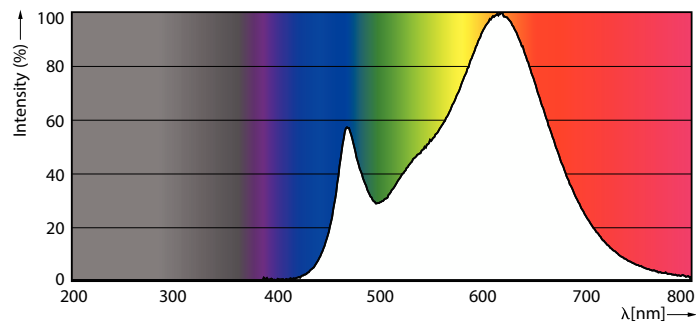
| Product                               | D     | C      |
|---------------------------------------|-------|--------|
| ESS LEDBulb 12W E27 3000K HV 3PF/6 AR | 60 mm | 108 mm |

## Photometric data



Light Distribution Diagram - ESS LEDBulb 12W E27 3000K HV 3PF/6 AR

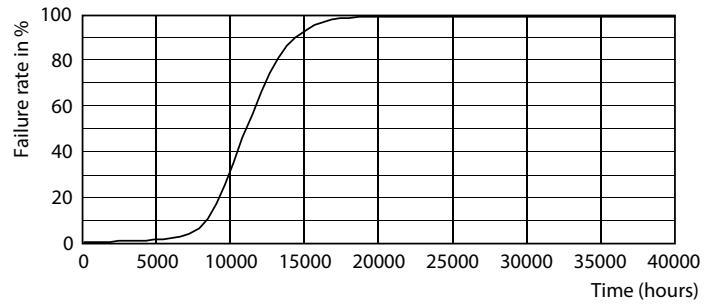
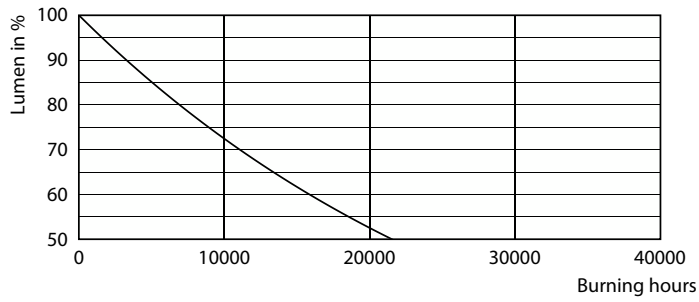
General uniform lighting - ESS LEDBulb 12W E27 3000K HV 3PF/6 AR



Spectral Power Distribution Colour - ESS LEDBulb 12W E27 3000K HV 3PF/6 AR

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## Lifetime



Lumen Maintenance Diagram - ESS LEDBulb 12W E27 3000K HV 3PF/6 AR

Life Expectancy Diagram - ESS LEDBulb 12W E27 3000K HV 3PF/6 AR

