


# MASTER LEDbulb

## MAS LEDbulb DT 15-100W A67 E27 827 FR

MASTER LEDbulb range delivers a dimmable glow effect for a welcoming, warm atmosphere, making it ideal for general lighting applications in the hospitality industry. Its unique design radiates warm light in all directions, making it a true alternative to the incandescent lamp. It is particularly suitable for public areas such as lobbies, corridors, stairwells, where the light is always on.Compatible with existing fixtures with an E27 or a B22 holder and designed for retrofit replacement of incandescent bulbs, MASTER LEDbulb delivers huge energy savings and minimises maintenance cost without any compromise on light quality.

### Product data

| General Information | |
|---|---|
| **Cap base** | E27 [ E27] |
| **Bulb shape** | A67 [ A 67mm] |
| **Main application** | Industrial |
| **Nominal lifetime (nom.)** | 25000 h |
| **Switching cycle** | 50000X |

| Light Technical | |
|---|---|
| **Luminous flux (nom.)** | 1521 lm |
| **Luminous flux (rated) (nom.)** | 1521 lm |
| **Colour designation** | Warm white (WW) |
| **Correlated colour temperature (nom.)** | 2200-2700 K |
| **Luminous efficacy (rated) (nom.)** | 101 lm/W |
| **Colour consistency** | <6 |
| **Color rendering index (nom.)** | 80 |
| **LLMF at end of nominal lifetime (nom.)** | 70 % |

| Operating and Electrical | |
|---|---|
| **Input frequency** | 50-60 Hz |
| **Power (Rated) (Nom)** | 15 W |
| **Lamp current (nom.)** | 84 mA |
| **Wattage equivalent** | 100 W |
| **Starting time (nom.)** | 0.5 s |
| **Warm-up time to 60% light (nom.)** | 0.5 s |
| **Power factor (nom.)** | 0.7 |
| **Voltage (Nom)** | 220-240 V |

| Temperature | |
|---|---|
| **T-Case maximum (nom.)** | 105 °C |

| Controls and Dimming | |
|---|---|
| **Dimmable** | Yes |

| Approval and Application | |
|---|---|
| **Energy-saving product** | Yes |

# MASTER LEDbulb

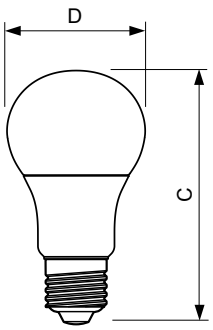
| | |
|---|---|
| **Suitable for accent lighting** | No |
| **Energy efficiency label (EEL)** | A+ |
| **Energy Consumption kWh/1000 h** | 15 kWh |

| | |
|---|---|
| **Order code** | 55555200 |
| **Numerator – quantity per pack** | 1 |
| **Numerator – packs per outer box** | 6 |
| **Material no. (12NC)** | 929001184402 |
| **Net weight (piece)** | 0.131 kg |

## Product Data

| | |
|---|---|
| **Full product code** | 871869655555200 |
| **Order product name** | MAS LEDbulb DT 15-100W A67 E27 827 FR |
| **EAN/UPC – product** | 8718696555552 |

## Dimensional drawing




Bulb A21 230V18W-100W 1521lm2700KE27D

| Product | D | C |
|---|---|---|

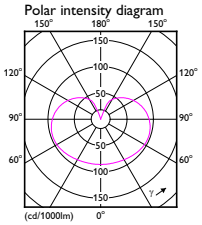
## Photometric data

General Uniform Lighting

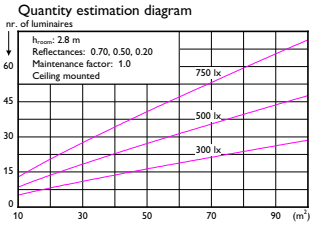
**Bulb A21 230V18W-100W 2700K E27 DIM 929001184400**

1 x 1521 lm

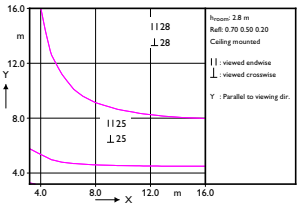
Polar intensity diagram




Quantity estimation diagram




UGR diagram




| | |
|---|---|
| Light output ratio | 1.00 |
| Service upward | 0.41 |
| Service downward | 0.59 |
| CIE flux code | 24 49 75 59 100 |
| UGRcen (4Hx8H, 0.25H) | 26 |

Utilisation factor table

| Room Index k | Reflectances (%) for ceiling, walls and working plane (CIE) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.80 | 0.80 | 0.70 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.30 | 0.00 | | |
| | 0.50 | 0.50 | 0.50 | 0.50 | 0.30 | 0.30 | 0.10 | 0.30 | 0.10 | 0.00 | | |
| | 0.30 | 0.10 | 0.30 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.00 | | |
| 0.60 | 0.35 | 0.33 | 0.33 | 0.32 | 0.31 | 0.24 | 0.21 | 0.16 | 0.17 | 0.14 | 0.09 | |
| 0.80 | 0.44 | 0.41 | 0.41 | 0.40 | 0.38 | 0.31 | 0.26 | 0.22 | 0.22 | 0.18 | 0.12 | |
| 1.00 | 0.51 | 0.48 | 0.47 | 0.46 | 0.44 | 0.36 | 0.31 | 0.26 | 0.27 | 0.23 | 0.16 | |
| 1.25 | 0.59 | 0.54 | 0.54 | 0.52 | 0.50 | 0.42 | 0.37 | 0.32 | 0.31 | 0.27 | 0.19 | |
| 1.50 | 0.65 | 0.59 | 0.60 | 0.57 | 0.55 | 0.47 | 0.41 | 0.36 | 0.35 | 0.31 | 0.22 | |
| 2.00 | 0.74 | 0.66 | 0.68 | 0.65 | 0.61 | 0.55 | 0.47 | 0.43 | 0.41 | 0.37 | 0.27 | |
| 2.50 | 0.80 | 0.71 | 0.74 | 0.70 | 0.66 | 0.60 | 0.52 | 0.48 | 0.45 | 0.41 | 0.30 | |
| 3.00 | 0.85 | 0.74 | 0.78 | 0.74 | 0.70 | 0.64 | 0.56 | 0.51 | 0.48 | 0.44 | 0.33 | |
| 4.00 | 0.92 | 0.79 | 0.84 | 0.79 | 0.74 | 0.69 | 0.61 | 0.57 | 0.52 | 0.49 | 0.37 | |
| 5.00 | 0.96 | 0.82 | 0.88 | 0.82 | 0.77 | 0.73 | 0.64 | 0.61 | 0.55 | 0.53 | 0.40 | |

Ceiling mounted

Luminance Table

| Plane / Cone | 0.0 | 15.0 | 30.0 | 45.0 | 60.0 | 75.0 | 90.0 |
|---|---|---|---|---|---|---|---|
| 45.0 | 14815 | 14815 | 14815 | 14815 | 14815 | 14815 | 14815 |
| 50.0 | 14570 | 14570 | 14570 | 14570 | 14570 | 14570 | 14570 |
| 55.0 | 14425 | 14425 | 14425 | 14425 | 14425 | 14425 | 14425 |
| 60.0 | 14347 | 14347 | 14347 | 14347 | 14347 | 14347 | 14347 |
| 65.0 | 14319 | 14319 | 14319 | 14319 | 14319 | 14319 | 14319 |
| 70.0 | 14337 | 14337 | 14337 | 14337 | 14337 | 14337 | 14337 |
| 75.0 | 14386 | 14386 | 14386 | 14386 | 14386 | 14386 | 14386 |
| 80.0 | 14463 | 14463 | 14463 | 14463 | 14463 | 14463 | 14463 |
| 85.0 | 14579 | 14579 | 14579 | 14579 | 14579 | 14579 | 14579 |
| 90.0 | 14738 | 14738 | 14738 | 14738 | 14738 | 14738 | 14738 |

(cd/m²)

SL19468

2015-10-13



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