

LED Pygmy



DATA SHEET

Product information

A product line to suit special purpose applications in confined spaces, cabinets and fridge lighting, a great replacement for traditional alternatives of lower energy efficiency. The employment of traditional Pygmy lamps – except for the oven Pygmy -, according to official regulation, is to be banned in the EU, UK and Turkey from the 1st of September 2021. We are extending our LED Pygmy with a higher lumen output version to support the transition from traditional to LED lamps, keeping the price the closest possible to the original level.

Features & benefits

- "F" Energy Efficiency Class
- Up to 140 lumens from only 1.6W
- Daylight colour 6500K
- Warm light 2700K
- 15000 hours life L70
- 100% retro-fit
- Warranty: 2 years with maximum 8 000 burning hours according to the Tungsram Standard Warranty conditions

Application areas



Hospitality



Home

IEC Standards

| | |
|---------------|--|
| EN 55015: | Limits and methods of measurement of radio disturbance characteristics of electrical lighting |
| EN 61547: | Equipment for general lighting purposed EMC immunity requirements |
| EN 61000-3-3: | Limitation of voltage fluctuations and flicker in low voltage supply systems (equipment rated current $\leq 16A$) |
| EN 61000-3-2: | Limits - Limits for harmonic current emissions (equipment input $\leq 16 A$ per phase) |
| IEC 62471: | Photo biological safety of lamps and lamp systems |
| EN 62560: | Self-ballasted lamps for general lighting services by voltage $> 50V$ - safety specification |
| EN 62493: | Assessment of lighting equipment related to human exposure to electromagnetic fields |



Specification summary

| Product Code | Product Code Direct Shipment | Product Description | Nominal/ Rated Power (W) | Nominal Lamp Voltage (V) | Nominal Rated Life (L70/B50 hours) | Nominal Rated Lumens (lm) | Rated efficacy (lm/w) | Cap/ Base | CCT (K) | CRI | Length (mm) | Diameter (mm) | Pack Qty |
|--------------|------------------------------|---------------------------------------|--------------------------|--------------------------|------------------------------------|---------------------------|-----------------------|-----------|---------|-----|-------------|---------------|----------|
| 93119700 | 93119716 | LED1.6/T25/827/100-240V/E14/F 2/20 HB | 1.6 | 100-240 | 15 000 | 140 | 88 | E14 | 2700 | 80 | 59 | 25 | 2/20 |
| 93119703 | 93119719 | LED1.6/T25/865/100-240V/E14/F 1/10 | 1.6 | 100-240 | 15 000 | 150 | 94 | E14 | 6500 | 80 | 59 | 25 | 1/10 |
| 93119699 | 93119705 | LED1.6/T25/865/100-240V/E14/F OEM | 1.6 | 100-240 | 15 000 | 150 | 94 | E14 | 6500 | 80 | 59 | 25 | 200 |
| 93119702 | 93119718 | LED2.1/T25/827/100-240V/E14/F 2/20 HB | 2.1 | 100-240 | 15 000 | 190 | 90 | E14 | 2700 | 80 | 59 | 25 | 2/20 |
| 93119701 | 93119717 | LED2.1/T25/865/100-240V/E14/F 1/10 | 2.1 | 100-240 | 15 000 | 200 | 95 | E14 | 6500 | 80 | 59 | 25 | 1/10 |
| 93119704 | 93119720 | LED2.1/T25/865/100-240V/E14/F OEM | 2.1 | 100-240 | 15 000 | 200 | 95 | E14 | 6500 | 80 | 59 | 25 | 200 |

ENERGY EFFICIENCY CLASS (A-G)*



Common attributes

- Colour Rendering Index > 80
- Input Voltage 100-240V
- Warm up time: Instant on
- Switching Cycles: 50000
- Power factor: >0.4
- Ambient temperature range -20° C to +40°C.
- Line Freq: 50/60Hz
- Color consistency < 6 SDCM

Operation and maintenance

- Store and use the lamps the same way as traditional lamps.
- Check your fixtures are properly wired and don't deliver voltage spike to lamps causing overheating/failure.
- Ambient temperature range -20° C to 40°C
- Lamps should be kept free from contamination.
- Good condition of the lamp-holder contacts is important to ensure proper operation of lamp.
- Ensure lamp is cool before removing.
- Switch off mains supply before installing/removing lamp.
- Not for use in totally enclosed recessed fixtures.

Recommended operation temperature

Max application Temperature: 50°C

Thermal test point

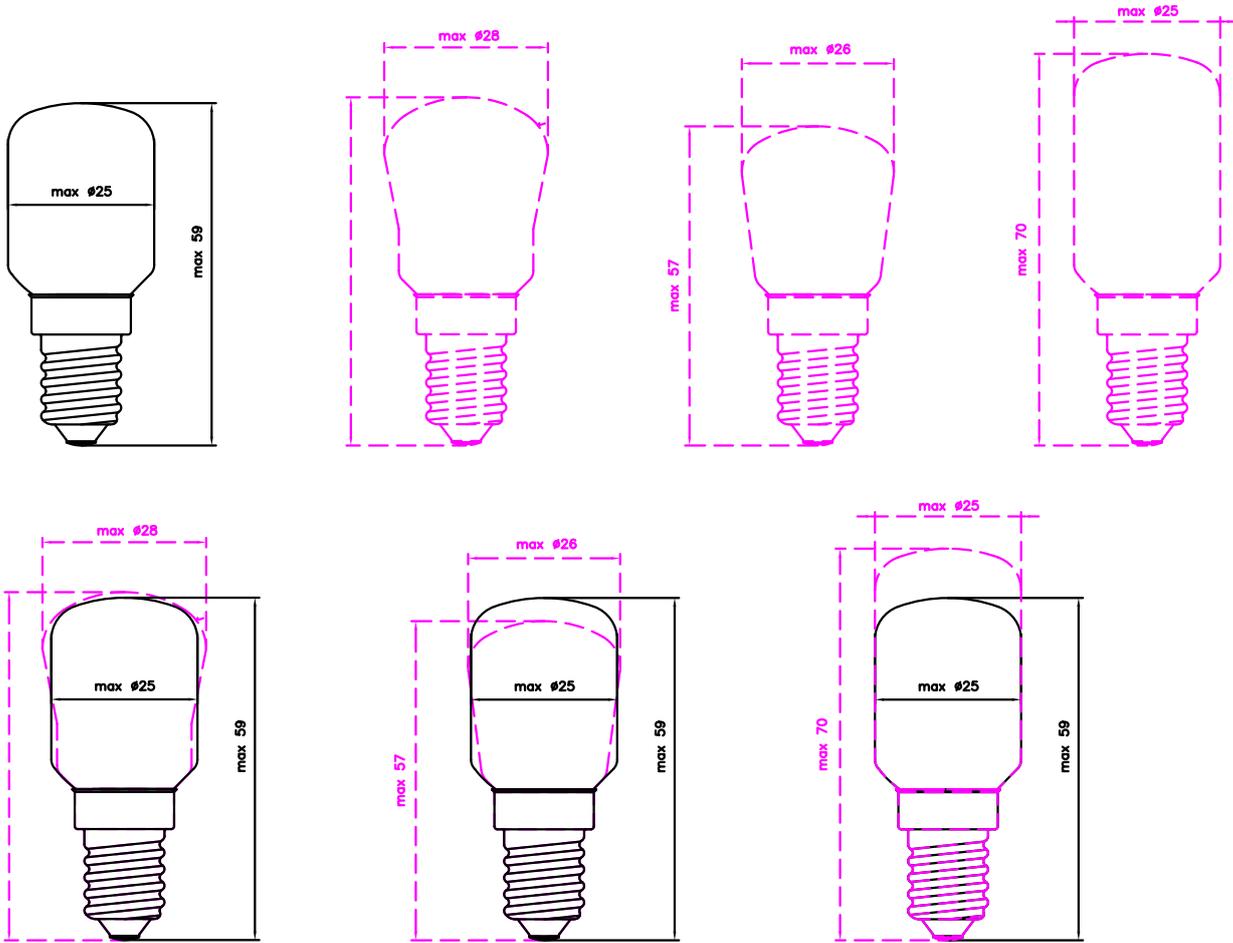


Packaging image

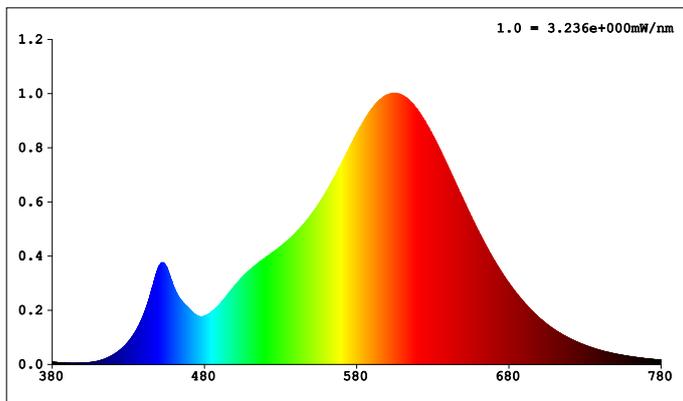


Dimensions (mm)

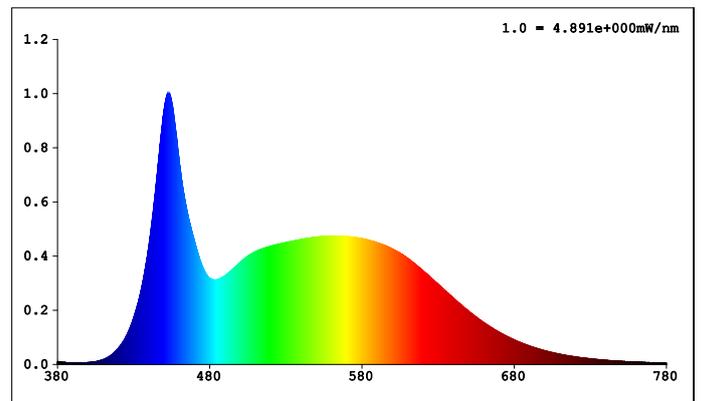
Below, a size comparison between traditional S28, S26 and T25 Pygmy shapes and the LED T25 shape is shown, the former illustrated in pink, the latter with black outline. It is visible, that the LED version represents a 100% retrofit replacement for the traditional T25 lamp, but it also shares close similarity with the S28 and S26 types, where, in case of substitution, fixture compatibility requires testing prior to placing bulk orders.



Spectral distributions



2700K



6500K

All values from 180-400nm are 0