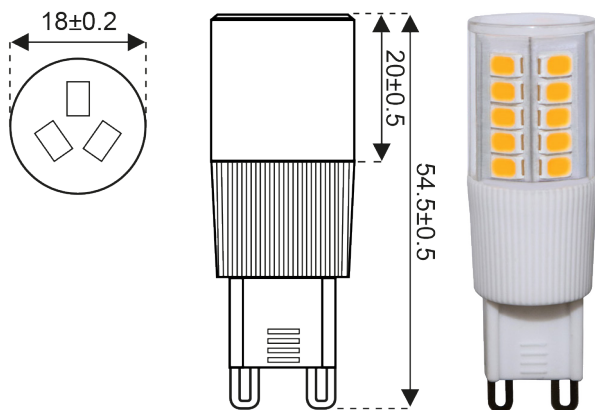
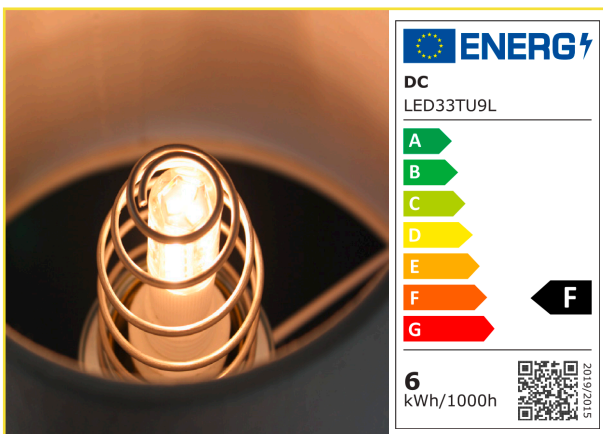




Light sources - LED G9



- natural LED lamp as an alternative to the conventional G9 high-voltage halogen lamp with excellent colour rendering and „flicker-free“ light
- low energy consumption, long lifetime
- building biology optimised illuminant for daily use
- fits in many existing shielded Biologa Danell lamps *



Light sources LED

LED G9 - LM-LED-G9-55

Technical data

total height:	54,5 mm ± 0,5
height of light fitting:	20 mm ± 0,5
diameter:	18 mm ± 0,5
power consumption:	5,5 W (Watt) ≈ 41 W incandescent lamp
luminous flux (Φ):	485 lm (Lumen)
colour temperature:	2970 K (Kelvin) warm white
colour rendering index:	95 (CRI oder Ra)
design / Construction:	clear
energy efficiency class:	F (from 09.2021) A+ (before 09.2021)
energy consumption:	(5,5 kWh / 1000 h)
light emission angle:	270°
base:	G9
mercury-free:	yes
warm-up time:	< 0,3 Seconds
dimnable:	no
average life span:	> 20.000 h (Hours)
switching cycles:	up to 20.000
operating temperature:	-25 °C bis +40 °C
mains voltage:	220 bis 240 V / 50Hz
weight:	15 g
other features:	„flicker-free“ pulsating light pulsation < 1%

Type of application

for luminaires with existing G9 base

suitable for many shielded Biologa Danell luminaires. *
Adapter LMA-G9-E14 (41-7104)
or LMA-G9-E27 (41-7126)

for use in all luminaires with E14 or E27 socket -- *
Adapter LMA-G9-E14 (41-7104)
or LMA-G9-E27 (41-7126)

Scope of application

- all private living spaces
- public buildings, hotels, office buildings
- outdoor use only with suitable outdoor lamps

Order-No.: 7311454 - 41-9624

Short-Desc.: LM-LED-G9-55



Accessories Shielded lamps

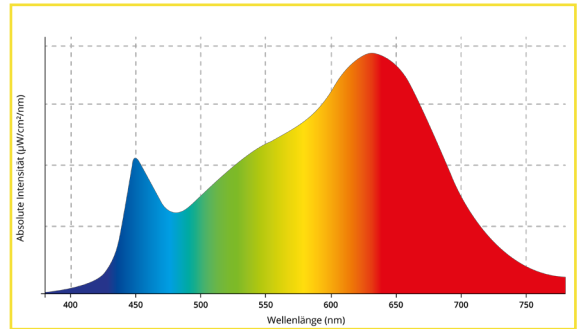
LED G9 - LM-LED-G9-55

- The **quasi-continuous spectrum** of the emitted light is close to that of incandescent or halogen lamps, without the portion of thermal radiation (IR or infrared radiation).
- The colour rendering index (Ra or CRI) describes the effect of light on the colour appearance of objects by comparison with daylight (not dependent on colour temperature). This LED has a very good CRI of 95 compared to an incandescent lamp with a CRI of 100.
- The **colour temperature** is a measure of the respective colour impression of a light source. Warm light colours (warm white, 2700 to 3000 K) have a low Kelvin number, cold light colours (cold white, 5000 K) have a high Kelvin number.
- The **light emission angle** of 270° is very well suited for all applications where incandescent lamps were previously used.
- **LED lamps** are made of a semiconductor and are operated with an integrated ballast. The resulting voltage produces a strong „light flicker“ (pulsation) in any conventional LED light bulb, which cannot usually be perceived by the naked eye. However, the light flicker can trigger stress in our bodies. The pulsation could be reduced to a minimum (below 1%) with this building biology optimised LED.
- **Energy efficiency class EEK:** Classification of all household lamps. Watts, lumens and burning hours are taken into account. EU Directive 98/11/EC includes classes E (low efficiency) to A++ (very efficient).
- **Plug-in base G9:** Can be used in conjunction with the G9 adapter for E14 lampholders (41-7104) and G9 adapter for E27 lampholders (41-7126) for almost all commercially available luminaires with screw bases. Their advantage for domestic stock-keeping is that only one type of lamp is needed for both types of lampholder. Replacement is possible by simply pulling and plugging.

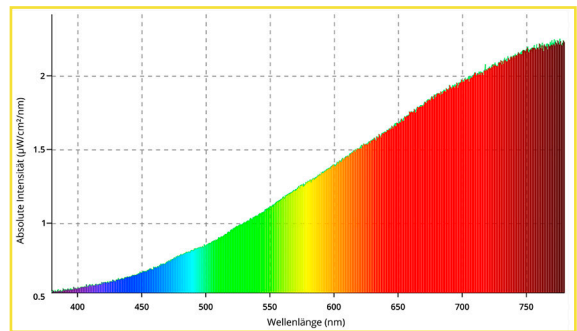


Please note after use:

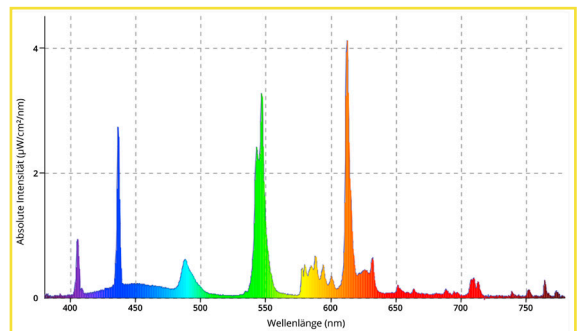
The LED bulb has integrated electronics (no mercury!), please still hand it in at the municipal building yard or an electronic waste collection point (do not dispose of it in household waste).



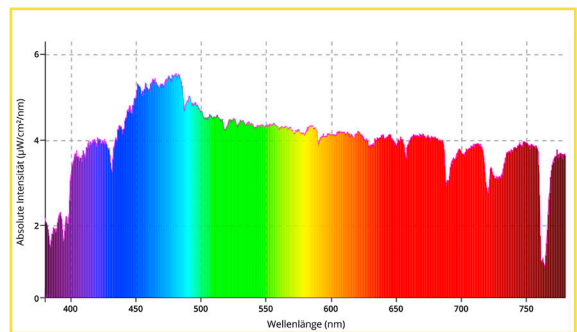
Spectrum LM-LED-G9-55 (41-9646) - This product



Spectrum conventional incandescent lamp



Spectrum compact fluorescent lamp (energy-saving lamp)



Spectrum sunlight