

LED Precise™ GU10 Dimmable

6W Replacement for 50W



DATA SHEET

Product information

Tungsräm's LED technology surpasses current market expectations for GU10 performance. This new generation design of the 5* rated Precise™ GU10 puts Tungsräm the cutting edge of LED innovation. Superior Colour Consistency within 4 steps on Macadam ellipse, 95Ra Colour Rendering Index and R9 > 90 combine for excellent light quality and accurate reproduction of deep red colours in merchandise displays or furniture. Long Lifetime at 50,000 Hrs with high lumen output provides a very high-quality performance product. Available in three colour temperatures and two beam angles with smooth heat sink and a very wide light emitting surface area.

Features & Benefits

- 95Ra Colour Rendering Index and R9 > 90
- COB design with glass housing for halogen look-alike aesthetics
- Colour Consistency : <4 SDCM
- Wide light emitting surface area reduces glare
- Flat front face with smooth heat sink
- Extra-long L70 life for reduced maintenance costs
- Total Lumen output of 360, 380 and 410 Lumens
- Compatible dimming on leading edge and trailing edge dimmers
- Warranty: 2 years with maximum 8000 burning hours according to Tungsräm Operations Kft. Standard Warranty conditions

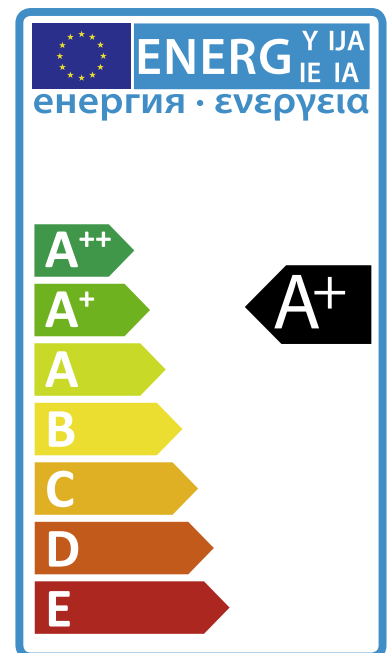
Application areas



Hospitality



Retail



IEC Standards

- EN 62560:2012+A1:2015: Self-ballasted lamps for general lighting services by voltage > 50V – Safety specifications
- EN 62493:2015: Assessment of lighting equipment related to human exposure to electromagnetic fields
- EN 55015:2013+A1:2015: Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
- EN 61547:2009: Equipment for general lighting purposes – EMC immunity requirements
- EN 61000-3-2:2014: Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current up to and including 16A per phase)
- EN 61000-3-3:2013: Electromagnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current up to 16A



Specification summary

Product Code	Product Description	Nominal Power (W)	Repl Watt (W)	Rated Angle (°)	Total Lumens (Lm)	90deg cone Lumens (Lm)	CBCP	CCT (K)	CRI	R9	Colour Consistency	Energy Consumption (kwh/100h)	Pack Qty
93094507	LED Precise GU10 6W(50)Dim 927 20° TU	6	50	20°	360	350	1500	2700	95	>90	< 4 SDCM	6	1/10
93094508	LED Precise GU10 6W(50)Dim 927 35° TU	6	50	35°	360	350	800	2700	95	>90	< 4 SDCM	6	1/10
93094509	LED Precise GU10 6W(50)Dim 930 20° TU	6	50	20°	380	370	1600	3000	95	>90	< 4 SDCM	6	1/10
93094510	LED Precise GU10 6W(50)Dim 930 35° TU	6	50	35°	380	370	900	3000	95	>90	< 4 SDCM	6	1/10
93094511	LED Precise GU10 6W(50)Dim 940 20° TU	6	50	20°	410	400	1700	4000	95	>90	< 4 SDCM	6	1/10
93094512	LED Precise GU10 6W(50)Dim 940 35° TU	6	50	35°	410	400	1000	4000	95	>90	< 4 SDCM	6	1/10

Common attributes

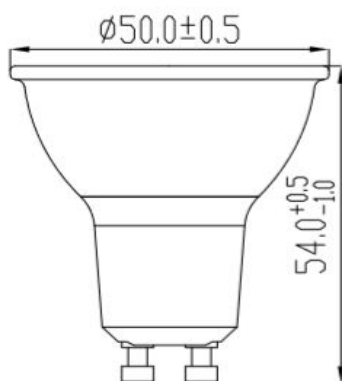
- Dimmable
- 50,000 hours lifetime
- Colour Rendering Index >95
- R9>90
- Input Voltage 220-240V
- Warm up time: Instant on
- Switching Cycles: 100,000
- Power factor: >0.9
- A+ Energy Efficiency
- GU10 cap/base
- Lumen maintenance: 0.7

Recommended operation temperature

Thermal test point
Ths Max for L70/B50: **80C**



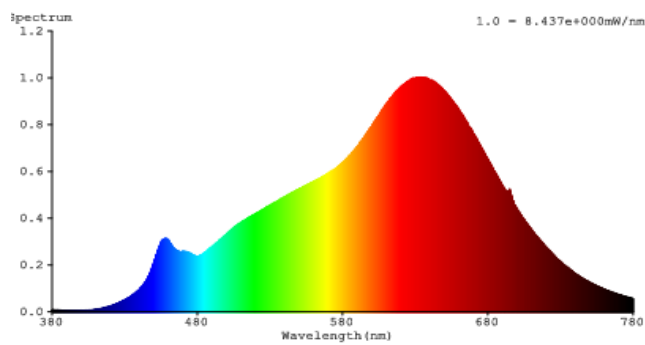
Dimensions (mm)



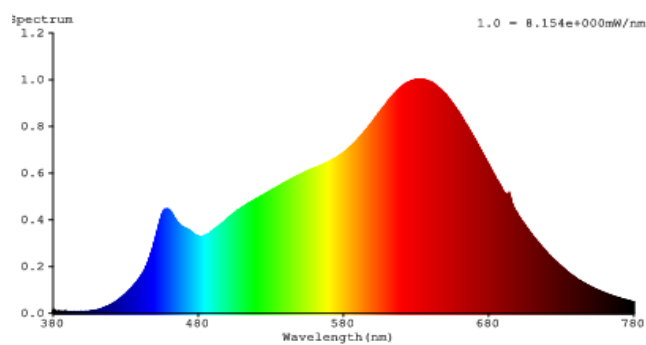
Packaging image



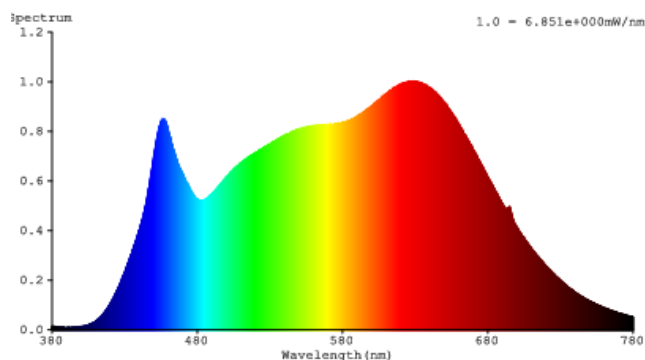
Spectral distributions



2700K



3000K



4000K

All values 180-400nm are 0

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.

LED Precise™ GU10 6W lamps are dimmable on most leading and trailing edge dimmers, for more information please check our website www.tungsr.com/dimming-led.



We in Tungsr Operations Kft. are constantly developing and improving our products. For this reason, all product descriptions in this catalogue are intended as a general guide, and we may change specifications from time to time in the interest of product development, without prior notification or public announcement. All descriptions in this publication present only general particulars of the goods to which they refer and shall not form part of any contract. Data in this guide has been obtained in controlled experimental conditions. However, Tungsr cannot accept any liability arising from the reliance on such data to the extent permitted by law.

LED Precise GU10 Dimmable Gen9 - March 2019