

NEW ECO SNOWCONE

6W, 9W, 11.5W and 13.5W
to replace the 40W, 60W, 75W and 100W



DATA SHEET

Product information

Tungshram introduces its new range of 4 highly competitive LED GLS products available in 3 colour temperatures. Consuming only 6W and 9W, 11.5W and 13.5W they are a fantastic energy saving alternative to traditional GLS lamps with new, high quality aesthetics.

Features & benefits

- 10.000 hours life time L70
- Colour temperatures from 2700K, 6500K
- Smooth light distribution
- Beam angle 160°
- A+ and A++ Energy Class
- 100% retro-fit
- Warranty: 2 years with maximum 8 000 burning hours according to the Tungshram Standard Warranty conditions

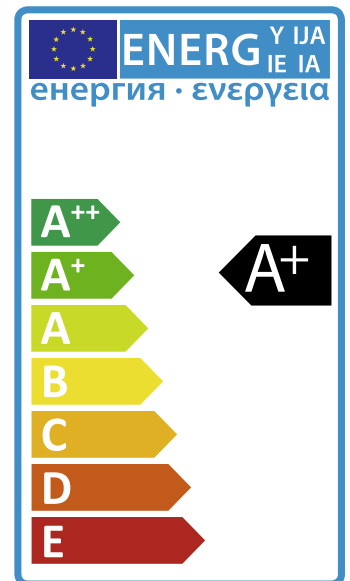
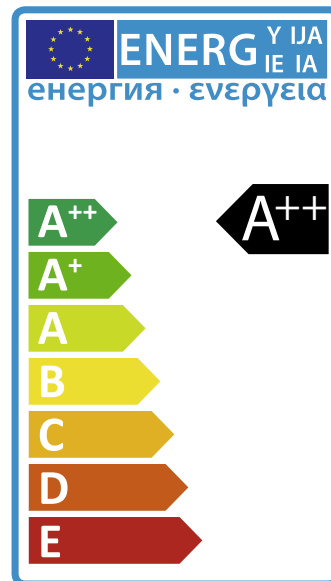
Application areas



Hospitality



Household



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 <= 16A)
EN 61000-3-2:	Limits - Limits for harmonic current emissions (equipment input ≤ 16 A per phase)
IEC 62471:	Photobiological safety of lamps and lamp systems
IEC 60061:	Lamp Caps and holders together with gauges for the control of interchangeability and safety
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 Description	Nominal/ Rated Power (W)	Repl Watt (W)	Cap/ Base	Nominal/ Rated Beam Angle (°)	Nominal/ Rated Lumens (lm)	CCT (K)	WEC (kWh/1000h)	EEC	Length (mm)	Diameter (mm)	Pack Qty
93107031	LED ECO A60 6W 827 E27 TU TR	6.0	40	E27	160	470	2700	6.0	A+	109	60	12
93107040	LED ECO A60 6W 865 E27 TU TR	6.0	40	E27	160	500	6500	6.0	A+	109	60	12
93107043	LED ECO A60 9W 827 E27 TU TR	9.0	60	E27	160	810	2700	9.0	A+	109	60	12
93107052	LED ECO A60 9W 865 E27 TU TR	9.0	60	E27	160	850	6500	9.0	A+	109	60	12
93106279	LED ECO A60 11.5W 827 E27 TU TR	11.5	75	E27	160	1055	2700	12.0	A+	109	60	12
93107018	LED ECO A60 11.5W 865 E27 TU TR	11.5	75	E27	160	1150	6500	12.0	A+	109	60	12
93104800	LED ECO A60 13.5W 827 E27 TU TR	13.5	100	E27	160	1521	2700	14.0	A+	109	60	12
93104801	LED ECO A60 13.5W 865 E27 TU TR	13.5	100	E27	160	1600	6500	14.0	A++	109	60	12

Common attributes

- Colour Rendering Index > 80
- Input Voltage: 220-240V
- Warm up time: Instant on
- Life time L70 10 000 hours
- Power factor: >0.5
- Ambient temperature range -20° C to +40° C
- Line Freq: 50/60Hz
- Switching Cycle 50 000 times
- 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.
- 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

Ths Max for L70 105° C
Ths Max for B50 105° C

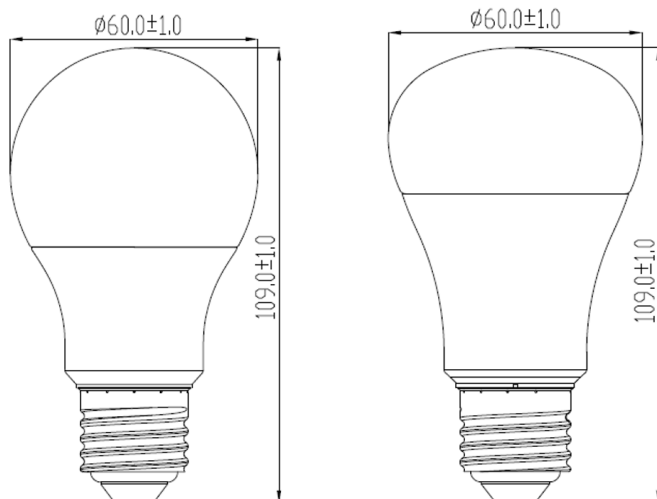
Thermal test point



Packaging image



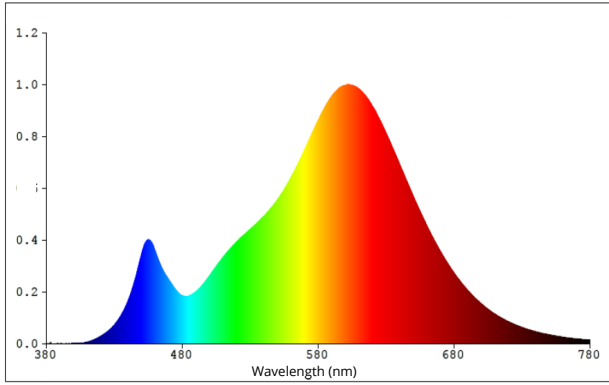
Dimensions (mm)



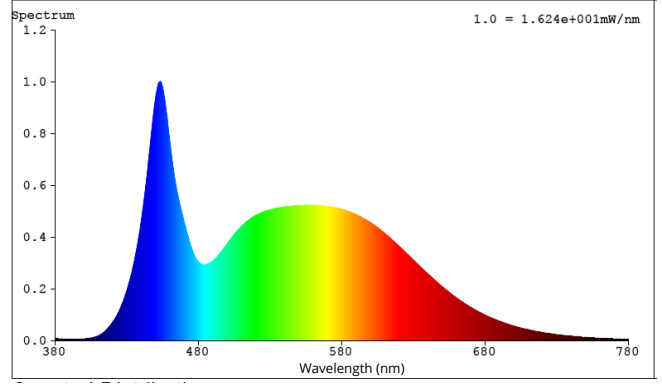
6W and 9W E27

11.5W and 13.5W E27

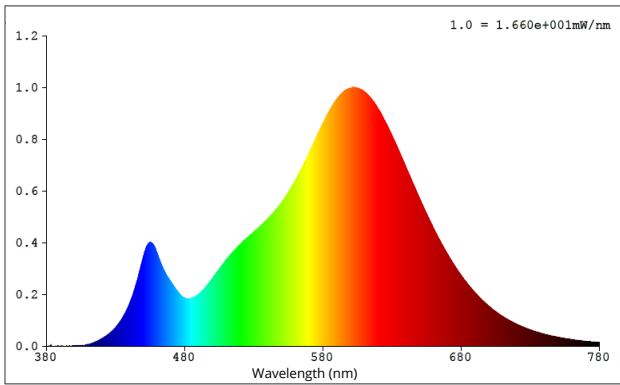
Spectral distributions



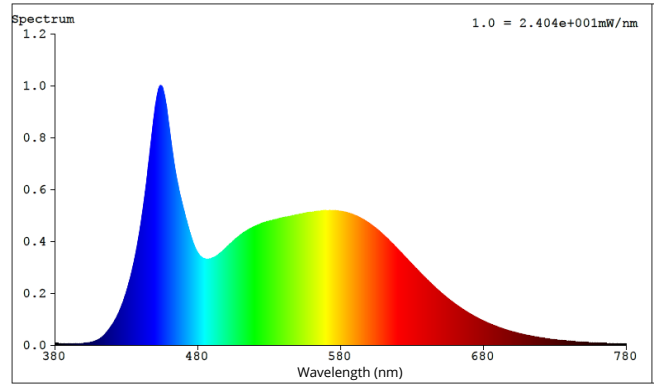
6W 2700K



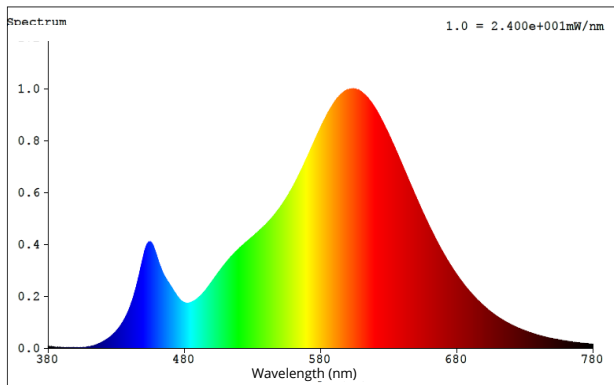
6W 6500K



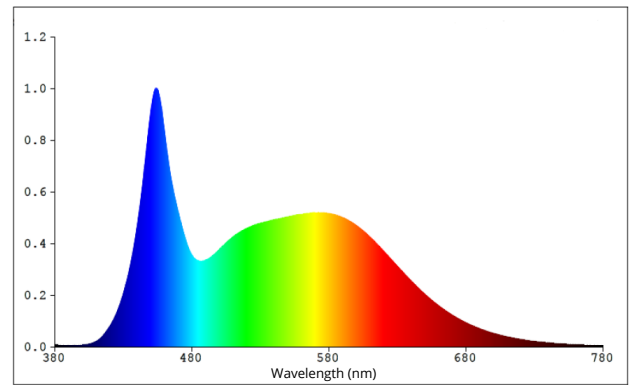
9W 2700K



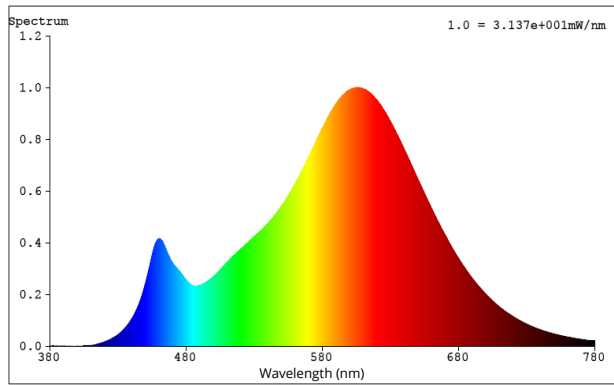
9W 6500K



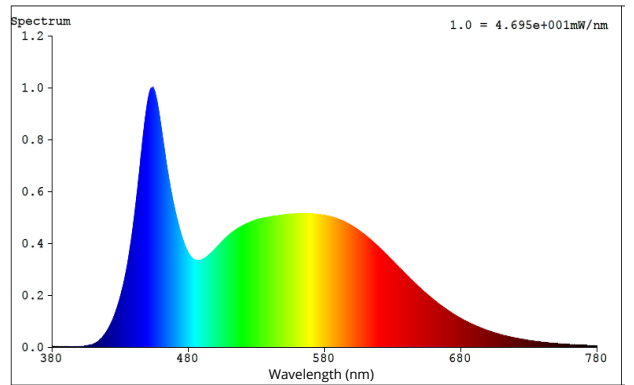
11.5W 2700K



11.5W 6500K



13.5W 2700K



13.5W 6500K