

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, 4000K and 6500K
- Smooth light distribution
- Beam angle 160°
- A+ Energy Class
- 100% retro-fit
- Warranty: 2 years with maximum 8 000 burning hours according to the Tungshram Standard Warranty conditions

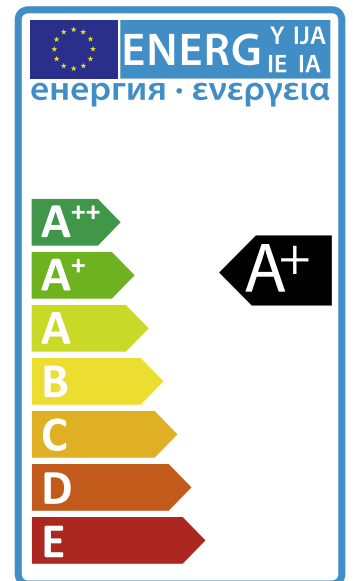
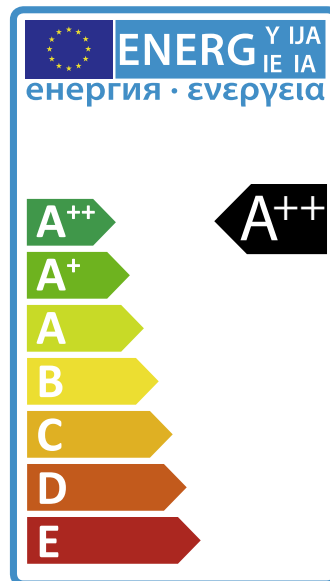
Application areas



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 code Direct Shipment	Product Description	Dimm.	Nominal/ Rated Power (W)	Repl Watt (W)	Cap/ Base	Nominal/ Rated Beam Angle (°)	Nominal/ Rated Lumens (lm)	Nominal/ Rated Life (L70/ B50 hours)	CCT (K)	WEC (kWh/ 1000h)	EEC	Pack Qty
Single Pack													
93104784	93104785	LED ECO A60 6W 827 E27 TU	No	6.0	40	E27	160	470	10 000	2700	6.0	A+	12
93104728	93104729	LED ECO A60 6W 827 B22 TU	No	6.0	40	B22	160	470	10 000	2700	6.0	A+	12
93107035	93107036	LED ECO A60 6W 840 E27 TU	No	6.0	40	E27	160	500	10 000	4000	6.0	A+	12
93107032	93107033	LED ECO A60 6W 840 B22 TU	No	6.0	40	B22	160	500	10 000	4000	6.0	A+	12
93104786	93104787	LED ECO A60 6W 865 E27 TU	No	6.0	40	E27	160	500	10 000	6500	6.0	A+	12
93104730	93104731	LED ECO A60 6W 865 B22 TU	No	6.0	40	B22	160	500	10 000	6500	6.0	A+	12
93104788	93104789	LED ECO A60 9W 827 E27 TU	No	9.0	60	E27	160	810	10 000	2700	9.0	A+	12
93104732	93104733	LED ECO A60 9W 827 B22 TU	No	9.0	60	B22	160	810	10 000	2700	9.0	A+	12
93107047	93107048	LED ECO A60 9W 840 E27 TU	No	9.0	60	E27	160	850	10 000	4000	9.0	A+	12
93107044	93107045	LED ECO A60 9W 840 B22 TU	No	9.0	60	B22	160	850	10 000	4000	9.0	A+	12
93104790	93104791	LED ECO A60 9W 865 E27 TU	No	9.0	60	E27	160	850	10 000	6500	9.0	A+	12
93104734	93104735	LED ECO A60 9W 865 B22 TU	No	9.0	60	B22	160	850	10 000	6500	9.0	A+	12
93104792	93104793	LED ECO A60 11.5W 827 E27 TU	No	11.5	75	E27	160	1055	10 000	2700	12.0	A+	12
93104776	93104777	LED ECO A60 11.5W 827 B22 TU	No	11.5	75	B22	160	1055	10 000	2700	12.0	A+	12
93106283	93106284	LED ECO A60 11.5W 840 E27 TU	No	11.5	75	E27	160	1150	10 000	4000	12.0	A+	12
93106280	93106281	LED ECO A60 11.5W 840 B22 TU	No	11.5	75	B22	160	1150	10 000	4000	12.0	A+	12
93104794	93104795	LED ECO A60 11.5W 865 E27 TU	No	11.5	75	E27	160	1150	10 000	6500	12.0	A+	12
93104778	93104779	LED ECO A60 11.5W 865 B22 TU	No	11.5	75	B22	160	1150	10 000	6500	12.0	A+	12
93104796	93104797	LED ECO A60 13.5W 827 E27 TU	No	13.5	100	E27	160	1521	10 000	2700	14.0	A+	12
93104780	93104781	LED ECO A60 13.5W 827 B22 TU	No	13.5	100	B22	160	1521	10 000	2700	14.0	A+	12
93107024	93107025	LED ECO A60 13.5W 840 E27 TU	No	13.5	100	E27	160	1600	10 000	4000	14.0	A++	12
93107021	93107022	LED ECO A60 13.5W 840 B22 TU	No	13.5	100	B22	160	1600	10 000	4000	14.0	A++	12
93104798	93104799	LED ECO A60 13.5W 865 E27 TU	No	13.5	100	E27	160	1600	10 000	6500	14.0	A++	12
93104782	93104783	LED ECO A60 13.5W 865 B22 TU	No	13.5	100	B22	160	1600	10 000	6500	14.0	A++	12
Twin Pack													
93109838	-	LED ECO A60 9W 827 B22 TU 2BX	No	9.0	60	B22	160	810	10 000	2700	9.0	A+	8
93109839	-	LED ECO A60 9W 827 E27 TU 2BX	No	9.0	60	E27	160	810	10 000	2700	9.0	A+	8

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

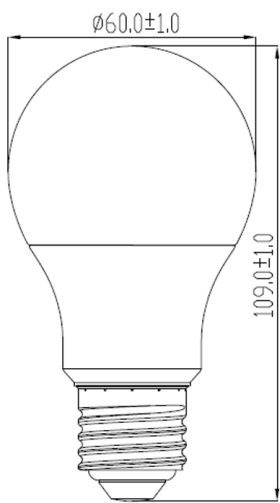
Thermal test point



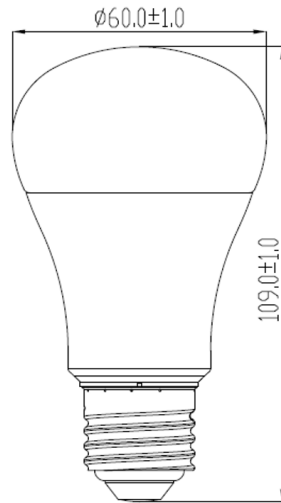
Packaging image



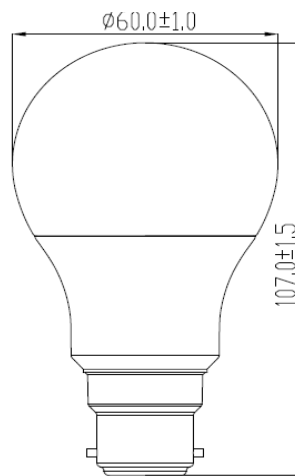
Dimensions (mm)



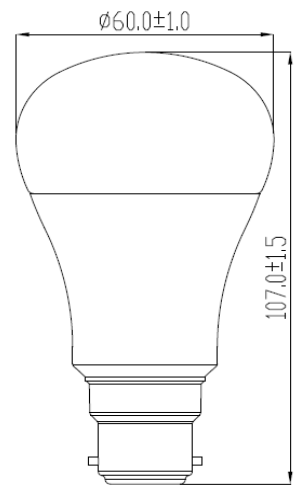
6W and 9W E27



11.5W and 13.5W E27

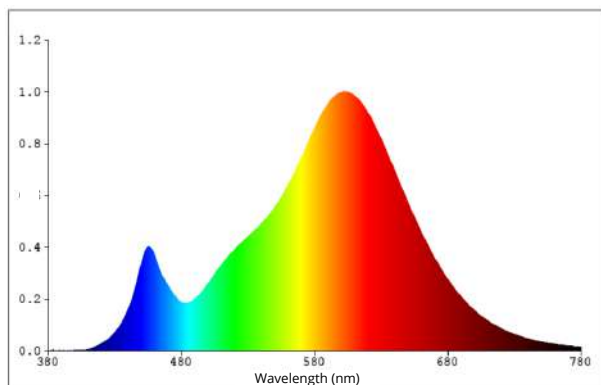


6W and 9W B22

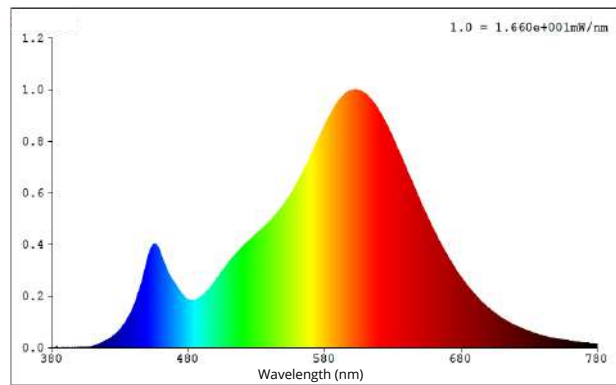


11.5W and 13.5W B22

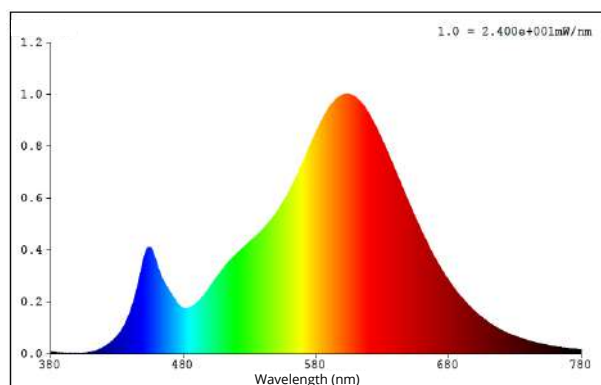
Spectral distributions



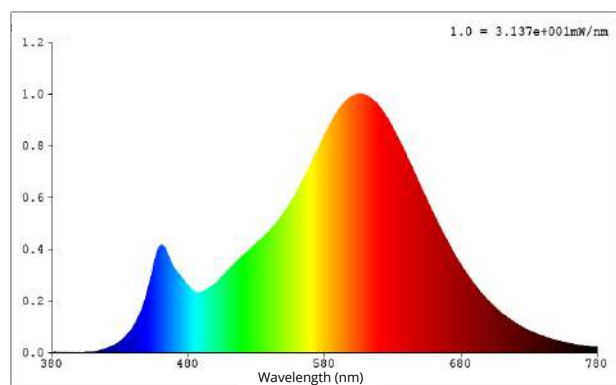
6W 2700K



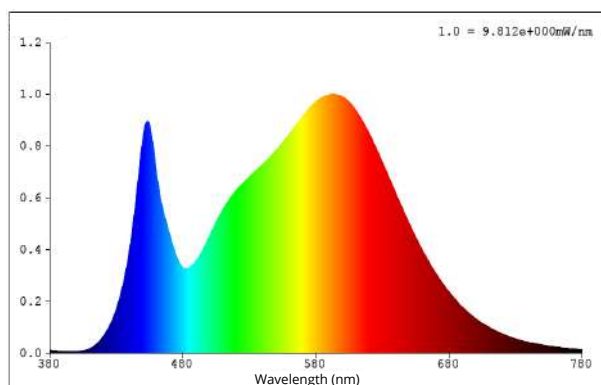
9W 2700K



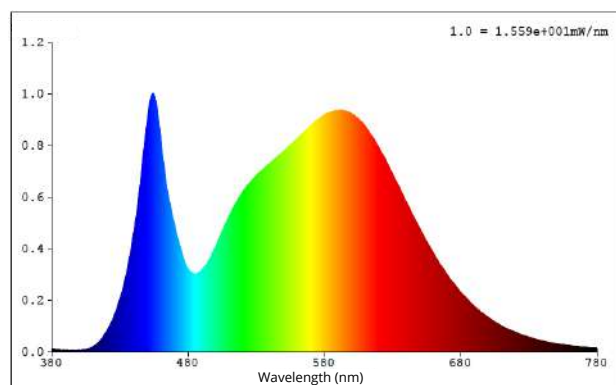
11.5W 2700K



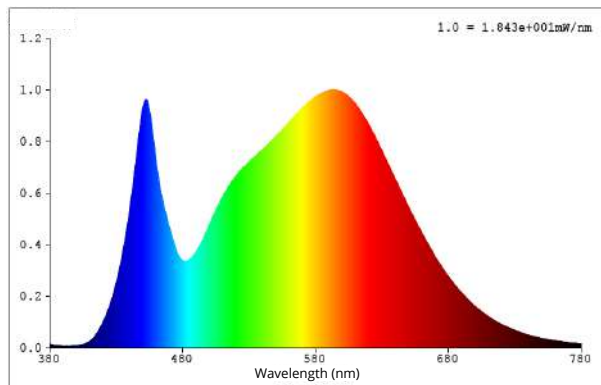
13.5W 2700K



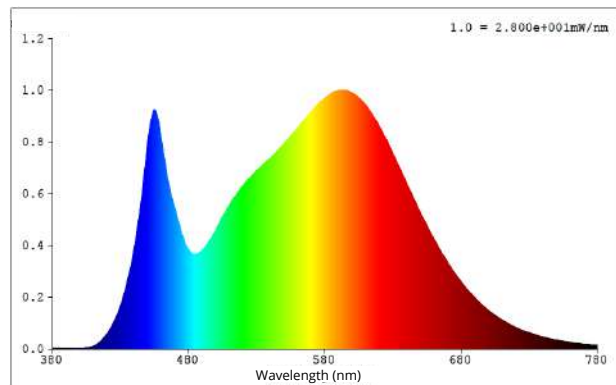
6W 4000K



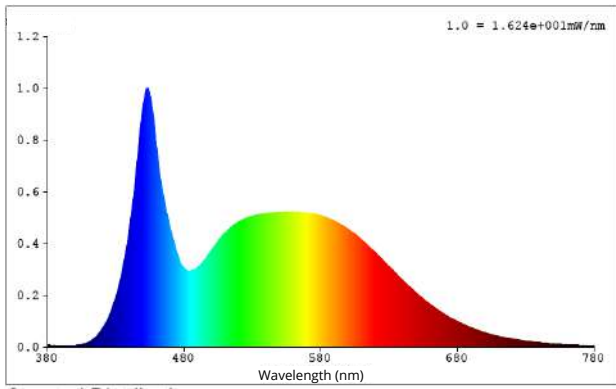
9W 4000K



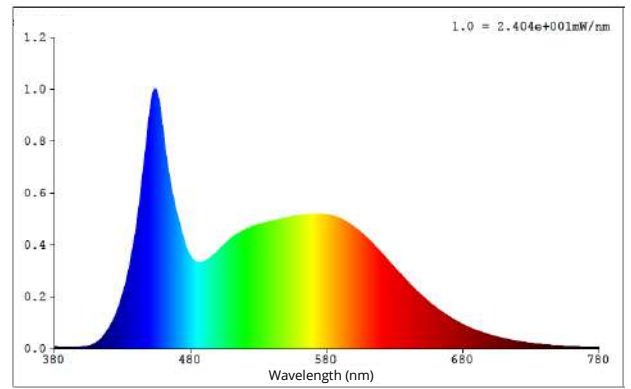
11.5W 4000K



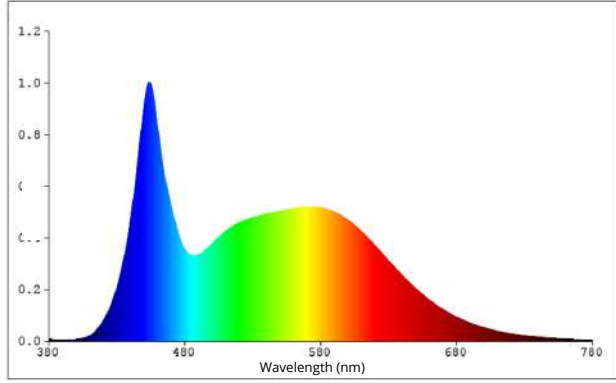
13.5W 4000K



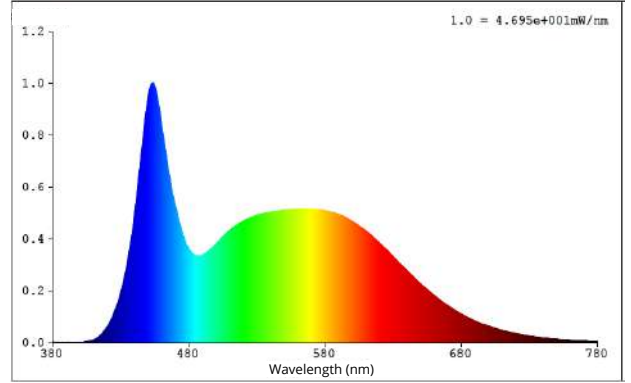
6W 6500K



9W 6500K



11.5W 6500K



13.5W 6500K

All values 180-400nm are 0



NEW LED A55

8W to replace EEH 42W
10W to replace EEH 53W

Product information

A new shape designed to replace the A55 Halogen bulbs EEH 42W and 53W.

Features & benefits

- 10.000 hours life time L70
- Colour temperatures from 3000K and 6500K
- Smooth light distribution
- Beam angle 180°
- A+ Energy Class
- 100% retro-fit
- Warranty: 2 years with maximum 8 000 burning hours according to the Tungshram Standard Warranty conditions

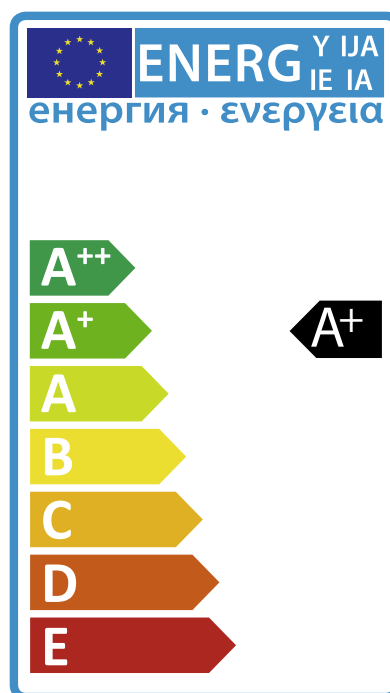
Application areas



Hospitality



Household



IEC Standards

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EN 61547:	Equipment for general lighting purposed EMC immunity requirements
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EN 61000-3-2:	Limits - Limits for harmonic current emissions (equipment input ≤ 16 A per phase)
IEC 62471:	Photo biological safety of lamps and lamp systems
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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 description	Product Code	Nominal Power (W)	Repl Watt (W)	Cap/Base	Beam angle (°)	Nominal Lumens (lm)	CCT (K)	Lenght (mm)	Diameter (mm)	WEC (kwh/1000h)	Pack qty	
STANDARD SHIPMENT												
LED ECO A55 8W(55) 830 B22 TU	93093866	8	55	B22	180	720	3000	101	57	8.0	6	
LED ECO A55 8W(55) 830 E27 TU	93093867	8	55	E27	180	720	3000	103	57	8.0	6	
LED ECO A55 8W(58) 865 B22 TU	93093868	8	58	B22	180	770	6500	101	57	8.0	6	
LED ECO A55 8W(58) 865 E27 TU	93093869	8	58	E27	180	770	6500	103	57	8.0	6	
LED ECO A55 10W(64) 830 B22 TU	93093870	10	64	B22	180	870	3000	101	57	10.0	6	
LED ECO A55 10W(64) 830 E27 TU	93093871	10	64	E27	180	870	3000	103	57	10.0	6	
LED ECO A55 10W(70) 865 B22 TU	93093872	10	70	B22	180	970	6500	101	57	10.0	6	
LED ECO A55 10W(70) 865 E27 TU	93093873	10	70	E27	180	970	6500	103	57	10.0	6	
DIRECT SHIPMENT												
LED ECO A55 8W(55) 830 B22 TU DS	93093882	8	55	B22	180	720	3000	101	57	8.0	6	
LED ECO A55 8W(55) 830 E27 TU DS	93093883	8	55	E27	180	720	3000	103	57	8.0	6	
LED ECO A55 8W(58) 865 B22 TU DS	93093884	8	58	B22	180	770	6500	101	57	8.0	6	
LED ECO A55 8W(58) 865 E27 TU DS	93093885	8	58	E27	180	770	6500	103	57	8.0	6	
LED ECO A55 10W(64) 830 B22 TU DS	93093886	10	64	B22	180	870	3000	101	57	10.0	6	
LED ECO A55 10W(64) 830 E27 TU DS	93093887	10	64	E27	180	870	3000	103	57	10.0	6	
LED ECO A55 10W(70) 865 B22 TU DS	93093888	10	70	B22	180	970	6500	101	57	10.0	6	
LED ECO A55 10W(70) 865 E27 TU DS	93093889	10	70	E27	180	970	6500	103	57	10.0	6	

Common attributes

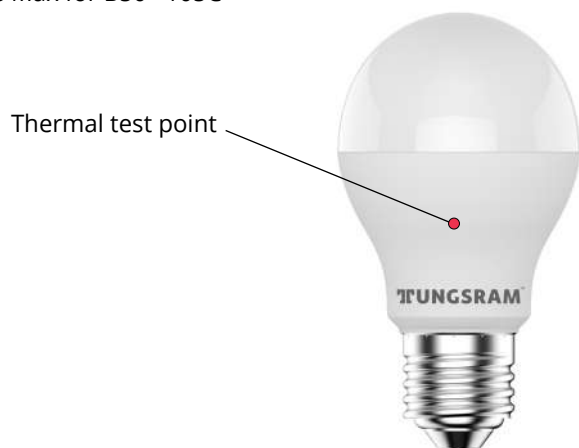
- Colour Rendering Index > 80
- Input Voltage: 220-240V
- Warm up time: Instant on
- Life time L70 10 000 hours
- Power factor: >0.5
- Ambient temperature range -20° C to +40°C.
- Line Freq: 50/60Hz
- Switching Cycle 50 000 times
- Color consistency < 6 SDCM

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

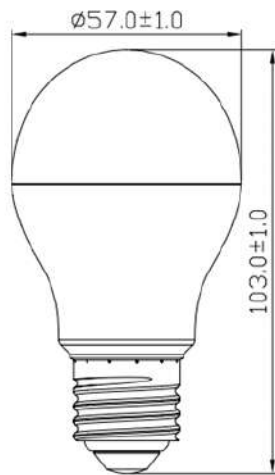
Ths Max for L70 105C
THs Max for B50 105C



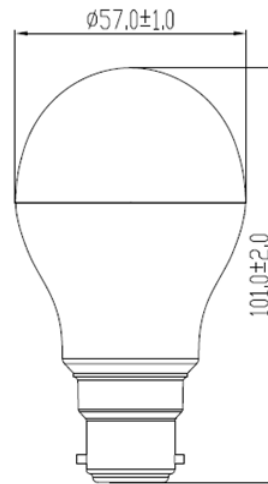
Packaging image



Dimensions (mm)

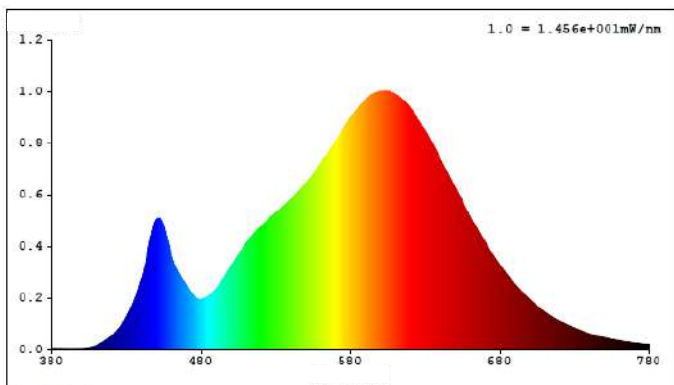


A55 with E27 base

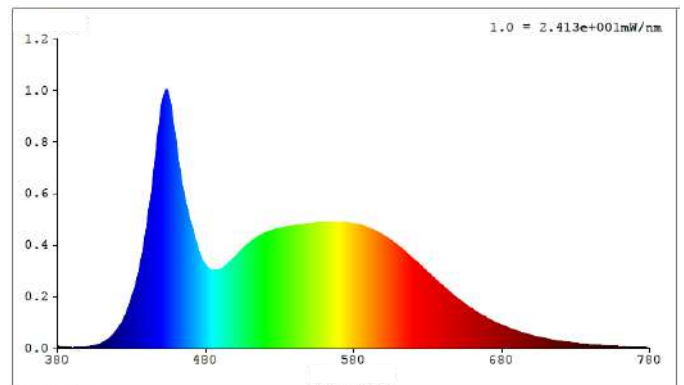


A55 with B22 base

Spectral distributions



3000K



6500K

All values 180-400nm are 0



LED High Lumen

T80, T100 and T120



Product information

A new product in the range for the applications that require a high level of light to light up wide spaces like in warehouses, sidewalks walks and gardens.

Features & benefits

- 10.000 hours life time L70
- Colour temperatures from 3000K and 6500K
- Smooth light distribution
- Beam angle 200°
- A+ Energy Class
- Warranty: 2 years with maximum 8 000 burning hours according to the TungSRAM Standard Warranty conditions

Application areas



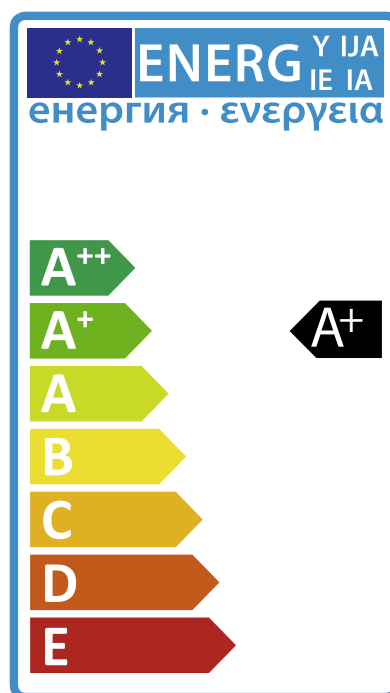
Sidewalk



Warehouses



Garden



IEC Standards

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EN 61000-3-3:	Limitation of voltage fluctuations and flicker in low voltage supply systems (equipment rated current $\leq 16A$)
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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 description	Product Code	Nominal Power (W)	Repl Watt (W)	Cap/ Base	Beam angle (°)	Nominal Lumens (lm)	CCT (K)	Length (mm)	Diameter (mm)	PF	WEC (kwh/1000h)	Pack qty
STANDARD SHIPMENT												
LED HighLumen T80 21W(120) 830 E27 TU	93083678	21	120W	E27	200	1900	3000	149	81	>0.5	21.0	6
LED HighLumen T80 21W(125) 865 E27 TU	93083679	21	125W	E27	200	2000	6500	149	81	>0.5	21.0	6
LED HighLumen T100 27W(169) 830 E27 TU	93083680	27	169W	E27	200	2800	3000	189	101	>0.9	27.0	4
LED HighLumen T100 27W(179) 865 E27 TU	93083681	27	179W	E27	200	3000	6500	189	101	>0.9	27.0	4
LED HighLumen T120 42W(217) 830 E27 TU	93083682	42	217W	E27	200	3700	3000	219	119	>0.9	42.0	4
LED HighLumen T120 42W(233) 865 E27 TU	93083683	42	233W	E27	200	4000	6500	219	119	>0.9	42.0	4
DIRECT SHIPMENT												
LED HighLumen T80 21W(120) 830 E27 TUDS	93083684	21	120W	E27	200	1900	3000	149	81	>0.5	21.0	6
LED HighLumen T80 21W(125) 865 E27 TUDS	93083685	21	125W	E27	200	2000	6500	149	81	>0.5	21.0	6
LED HighLumen T100 27W(169) 830 E27 TUDS	93083686	27	169W	E27	200	2800	3000	189	101	>0.9	27.0	4
LED HighLumen T100 27W(179) 865 E27 TUDS	93083687	27	179W	E27	200	3000	6500	189	101	>0.9	27.0	4
LED HighLumen T120 42W(217) 830 E27 TUDS	93083688	42	217W	E27	200	3700	3000	219	119	>0.9	42.0	4
LED HighLumen T120 42W(233) 865 E27 TUDS	93083689	42	233W	E27	200	4000	6500	219	119	>0.9	42.0	4

Common attributes

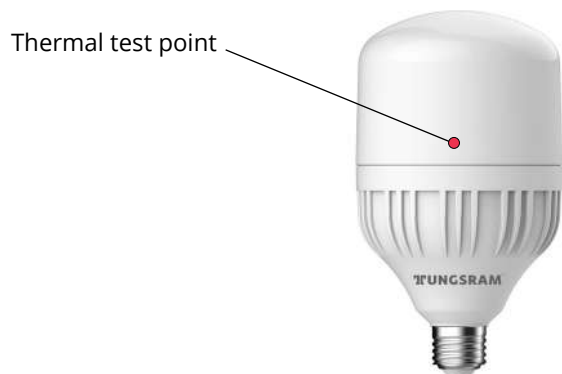
- Colour Rendering Index > 80
- Input Voltage: 220-240V
- Warm up time: Instant on
- Life time L70 10 000 hours
- Power factor: 0.5 for 21W 0.9 for 27W and 42W
- Ambient temperature range -20° C to +40°C.
- Line Freq: 50/60Hz
- Switching Cycle 50 000 times
- Color consistency < 6 SDCM

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

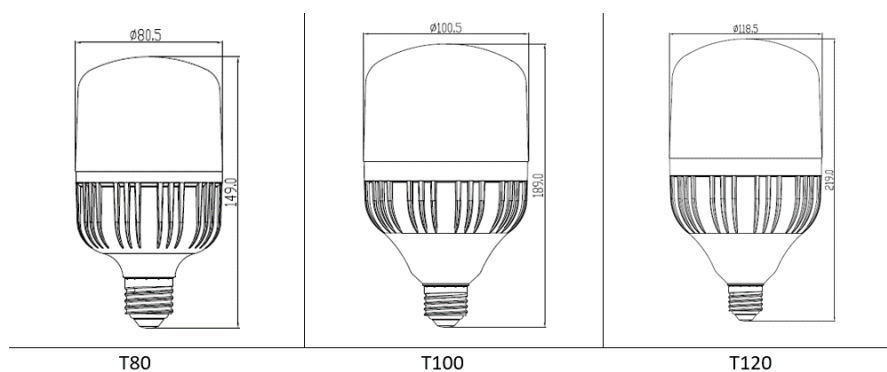
Ths Max for L70 105C
THs Max for B50 105C



Packaging image

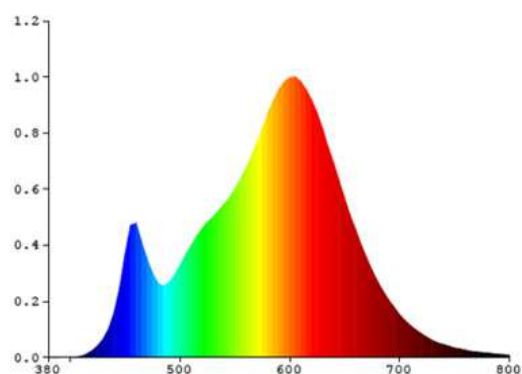


Dimensions (mm)

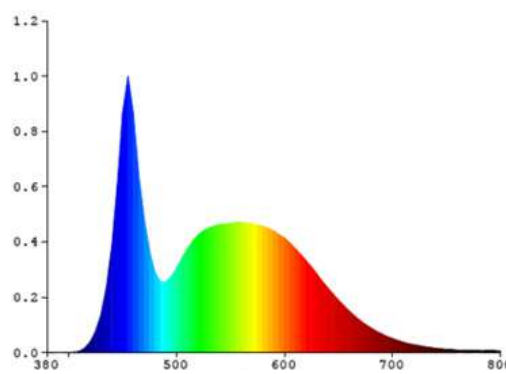


Bulb Type	Base type	MOL (mm)	MOD (mm)
T80	E27	149	81
T100	E27	189	101
T120	E27	219	119

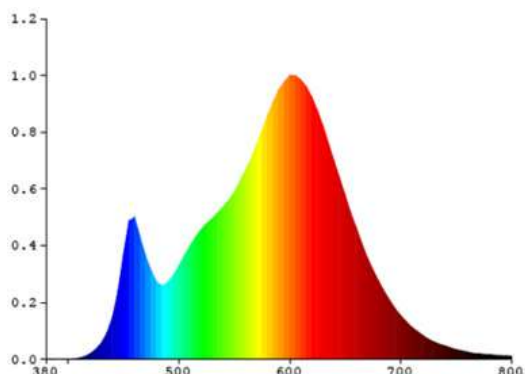
Spectral distributions



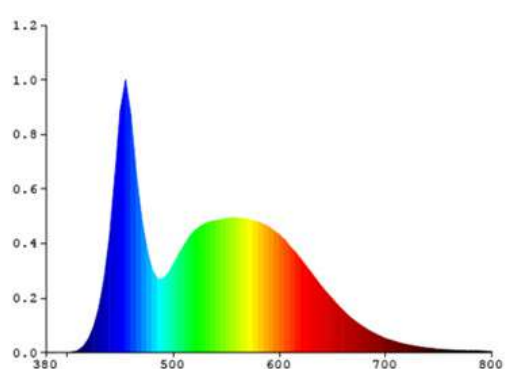
21W 3000k



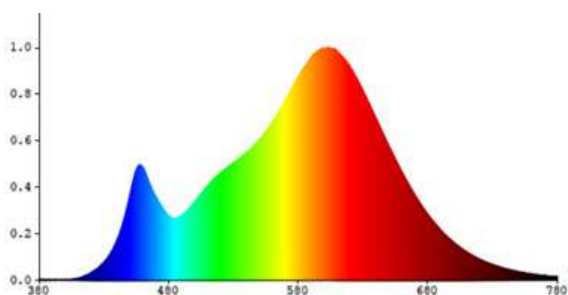
21W 6500k



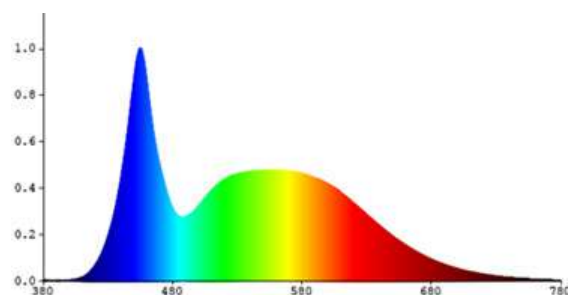
27W 3000k



27W 6500k



42W 3000k



42W 6500k

All values 180-400nm are 0