

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



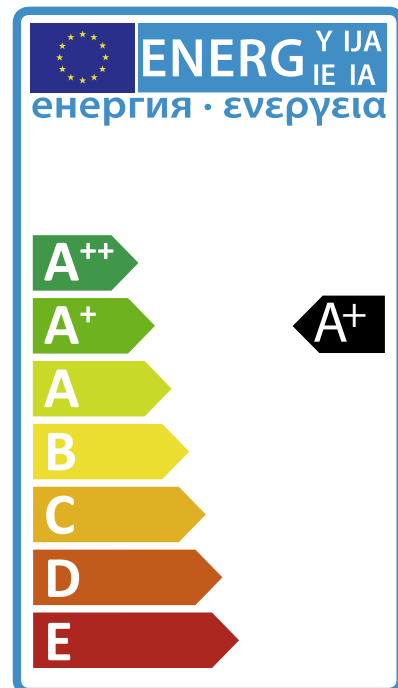
Sidewalk



Warehouses



Garden



IEC Standards

- | | |
|---------------|---|
| 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: | Photo biological 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 description	Product Code	Nominal Power (W)	Repl Watt (W)	Cap/ Base	Beam angle (°)	Nominal Lumens (lm)	CCT (K)	Lenght (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

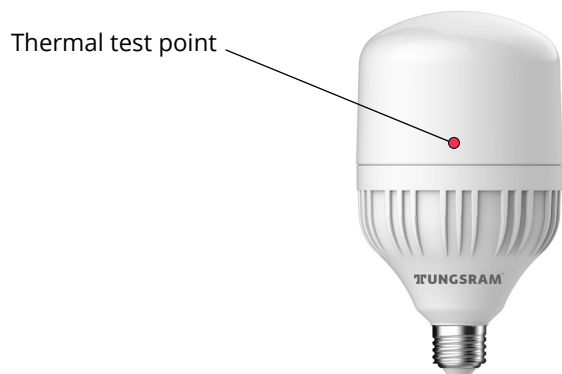
- Colour Rendering Index > 80
- Input Voltage: 220-240V
- Warm up time: Instant on
- Life time L70 10 000 hours
- Power factor: 0.5 for 21W 0.9 for 27W and 42W
- Ambient temperature range -20° C to +40°C.
- Line Freq: 50/60Hz
- Switching Cycle 50 000 times
- Color consistency < 6 SDCM

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

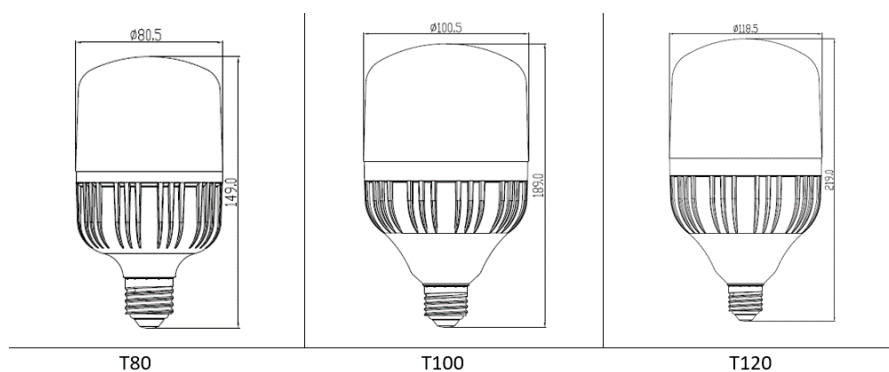
Ths Max for L70 105C
THs Max for B50 105C



Packaging image

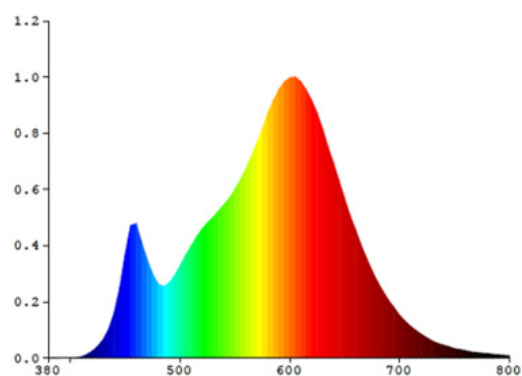


Dimensions (mm)

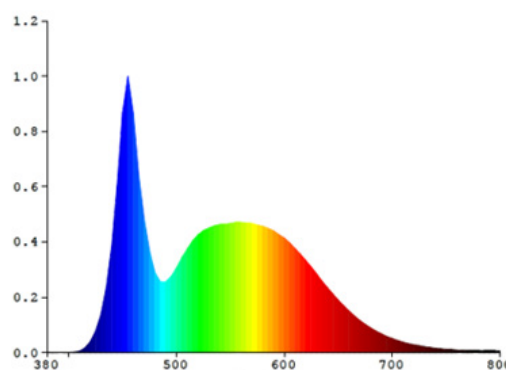


Bulb Type	Base type	MOL (mm)	MOD (mm)
T80	E27	149	81
T100	E27	189	101
T120	E27	219	119

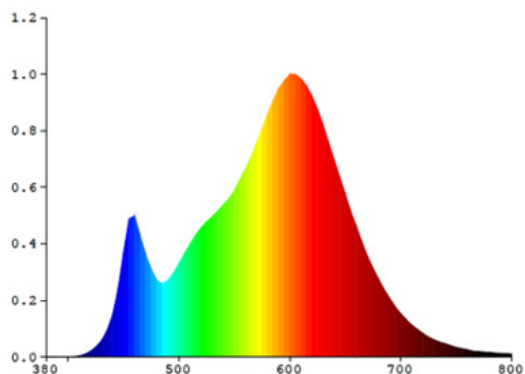
Spectral distributions



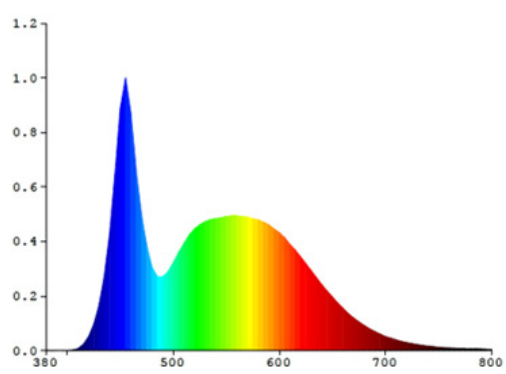
21W 3000k



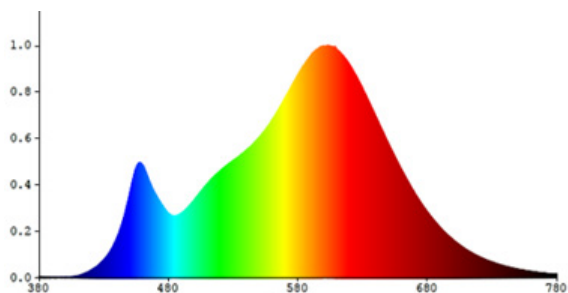
21W 6500k



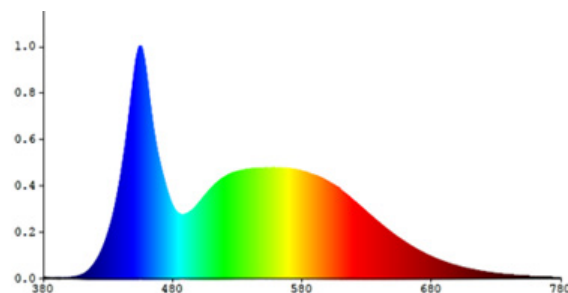
27W 3000k



27W 6500k



42W 3000k



42W 6500k

All values 180-400nm are 0