

# Tungsr Filament DECO Candle and Golf

2.5W, 4.5W and 7W Candle and Golf for  
25W, 40W and 60W replacement



## Product information

Tungsr introduces its new decorative range of LED Filament Candle and Spherical lamps available in 3 colour temperatures. Consuming only 2.5W, 4.5W and 7W they are a fantastic energy saving alternative to the Halogen lamps with new, high quality aesthetics.

## Features & benefits

- 15.000 hours life time L70
- Colour temperatures from 2700K, 4000K and 6500K
- Non-dimmable
- "E", "F" Energy Class
- 100% retro-fit
- Warranty: 2 years with maximum 8 000 burning hours according to the Tungsr 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 $\leq 16A$ )
EN 61000-3-2:	Limits - Limits for harmonic current emissions (equipment input $\leq 16 A$ 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 Code	Product Code Direct Shipment	Product Description	Nominal/ Rated Power (W)	Repl Watt (W)	Cap/ Base	Nominal/ Rated Beam Angle	Nominal/ Rated Lumens	Nominal/ Rated Life (L70/B50 hours)	CCT (K)	CRI	Length (mm)	Diameter (mm)	Energy Efficiency Class	Pack Qty
<b>CANDLE CLEAR</b>														
93115509	93118061	LED Fil Candle 2.5W 827 E14 CL	2.5	25	E14	300	250	15 000	2700	80	97	35	F	10
93115510	93118062	LED Fil Candle 2.5W 827 E27 CL	2.5	25	E27	300	250	15 000	2700	80	95	35	F	10
93115511	-	LED Fil Candle 2.5W 827 B22 CL	2.5	25	B22	300	250	15 000	2700	80	93	35	F	10
93115972	-	LED Fil Candle 2.5W 827 B15 CL	2.5	25	B15	300	250	15 000	2700	80	95.5	35	F	10
93115521	93118069	LED Fil Candle 4.5W 827 E14 CL	4.5	40	E14	300	470	15 000	2700	80	97	35	F	10
93115522	93118070	LED Fil Candle 4.5W 827 E27 CL	4.5	40	E27	300	470	15 000	2700	80	95	35	F	10
93115523	-	LED Fil Candle 4.5W 827 B22 CL	4.5	40	B22	300	470	15 000	2700	80	93	35	F	10
93115976	-	LED Fil Candle 4.5W 827 B15 CL	4.5	40	B15	300	470	15 000	2700	80	95.5	35	F	10
93115533	93118077	LED Fil Candle 7W 827 E14 CL	7.0	60	E14	300	806	15 000	2700	80	97	35	E	10
93115534	93118078	LED Fil Candle 7W 827 E27 CL	7.0	60	E27	300	806	15 000	2700	80	95	35	E	10
93115535	-	LED Fil Candle 7W 827 B22 CL	7.0	60	B22	300	806	15 000	2700	80	93	35	E	10
93115980	-	LED Fil Candle 7W 827 B15 CL	7.0	60	B15	300	806	15 000	2700	80	95.5	35	E	10
<b>CANDLE FROSTED</b>														
93115512	93118063	LED Fil Candle 2.5W 827 E14 FR	2.5	25	E14	300	250	15 000	2700	80	97	35	F	10
93115513	93118064	LED Fil Candle 2.5W 827 E27 FR	2.5	25	E27	300	250	15 000	2700	80	95	35	F	10
93115514	-	LED Fil Candle 2.5W 827 B22 FR	2.5	25	B22	300	250	15 000	2700	80	93	35	F	10
93115515	93118065	LED Fil Candle 2.5W 840 E14 FR	2.5	25	E14	300	250	15 000	4000	80	97	35	F	10
93115516	93118066	LED Fil Candle 2.5W 840 E27 FR	2.5	25	E27	300	250	15 000	4000	80	95	35	F	10
93115517	-	LED Fil Candle 2.5W 840 B22 FR	2.5	25	B22	300	250	15 000	4000	80	93	35	F	10
93115518	93118067	LED Fil Candle 2.5W 865 E14 FR	2.5	25	E14	300	250	15 000	6500	80	97	35	F	10
93115519	93118068	LED Fil Candle 2.5W 865 E27 FR	2.5	25	E27	300	250	15 000	6500	80	95	35	F	10
93115520	-	LED Fil Candle 2.5W 865 B22 FR	2.5	25	B22	300	250	15 000	6500	80	93	35	F	10
93115973	-	LED Fil Candle 2.5W 827 B15 FR	2.5	25	B15	300	250	15 000	2700	80	95.5	35	F	10
93115974	-	LED Fil Candle 2.5W 840 B15 FR	2.5	25	B15	300	250	15 000	4000	80	95.5	35	F	10
93115975	-	LED Fil Candle 2.5W 865 B15 FR	2.5	25	B15	300	250	15 000	6500	80	95.5	35	F	10
93115524	93118071	LED Fil Candle 4.5W 827 E14 FR	4.5	40	E14	300	470	15 000	2700	80	97	35	F	10
93115525	93118072	LED Fil Candle 4.5W 827 E27 FR	4.5	40	E27	300	470	15 000	2700	80	95	35	F	10
93115526	-	LED Fil Candle 4.5W 827 B22 FR	4.5	40	B22	300	470	15 000	2700	80	93	35	F	10
93115527	93118073	LED Fil Candle 4.5W 840 E14 FR	4.5	40	E14	300	470	15 000	4000	80	97	35	F	10
93115528	93118074	LED Fil Candle 4.5W 840 E27 FR	4.5	40	E27	300	470	15 000	4000	80	95	35	F	10
93115529	-	LED Fil Candle 4.5W 840 B22 FR	4.5	40	B22	300	470	15 000	4000	80	93	35	F	10
93115530	93118075	LED Fil Candle 4.5W 865 E14 FR	4.5	40	E14	300	470	15 000	6500	80	97	35	F	10
93115531	93118076	LED Fil Candle 4.5W 865 E27 FR	4.5	40	E27	300	470	15 000	6500	80	95	35	F	10
93115532	-	LED Fil Candle 4.5W 865 B22 FR	4.5	40	B22	300	470	15 000	6500	80	93	35	F	10
93115977	-	LED Fil Candle 4.5W 827 B15 FR	4.5	40	B15	300	470	15 000	2700	80	95.5	35	F	10
93115978	-	LED Fil Candle 4.5W 840 B15 FR	4.5	40	B15	300	470	15 000	4000	80	95.5	35	F	10
93115979	-	LED Fil Candle 4.5W 865 B15 FR	4.5	40	B15	300	470	15 000	6500	80	95.5	35	F	10
93115536	93118079	LED Fil Candle 7W 827 E14 FR	7.0	60	E14	300	806	15 000	2700	80	97	35	E	10
93115537	93118080	LED Fil Candle 7W 827 E27 FR	7.0	60	E27	300	806	15 000	2700	80	95	35	E	10
93115538	-	LED Fil Candle 7W 827 B22 FR	7.0	60	B22	300	806	15 000	2700	80	93	35	E	10
93115539	93118081	LED Fil Candle 7W 840 E14 FR	7.0	60	E14	300	806	15 000	4000	80	97	35	E	10
93115540	93118082	LED Fil Candle 7W 840 E27 FR	7.0	60	E27	300	806	15 000	4000	80	95	35	E	10
93115541	-	LED Fil Candle 7W 840 B22 FR	7.0	60	B22	300	806	15 000	4000	80	93	35	E	10
93115981	-	LED Fil Candle 7W 827 B15 FR	7.0	60	B15	300	806	15 000	2700	80	95.5	35	E	10
93115982	-	LED Fil Candle 7W 840 B15 FR	7.0	60	B15	300	806	15 000	4000	80	95.5	35	E	10

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<b>GOLF CLEAR</b>														
93115542	93118083	LED Fil Golf 2.5W 827 E14 CL	2.5	25	E14	300	250	15 000	2700	80	79	45	F	10
93115543	93118084	LED Fil Golf 2.5W 827 E27 CL	2.5	25	E27	300	250	15 000	2700	80	79	45	F	10
93115544	-	LED Fil Golf 2.5W 827 B22 CL	2.5	25	B22	300	250	15 000	2700	80	77	45	F	10
93115983	-	LED Fil Golf 2.5W 827 B15 CL	2.5	25	B15	300	250	15 000	2700	80	77.5	45	F	10
93115554	93118091	LED Fil Golf 4.5W 827 E14 CL	4.5	40	E14	300	470	15 000	2700	80	79	45	F	10
93115555	93118092	LED Fil Golf 4.5W 827 E27 CL	4.5	40	E27	300	470	15 000	2700	80	79	45	F	10
93115556	-	LED Fil Golf 4.5W 827 B22 CL	4.5	40	B22	300	470	15 000	2700	80	77	45	F	10
93115987	-	LED Fil Golf 4.5W 827 B15 CL	4.5	40	B15	300	470	15 000	2700	80	77.5	45	F	10
93115566	93118099	LED Fil Golf 7W 827 E14 CL	7.0	60	E14	300	806	15 000	2700	80	79	45	E	10
93115567	93118100	LED Fil Golf 7W 827 E27 CL	7.0	60	E27	300	806	15 000	2700	80	79	45	E	10
93115568	-	LED Fil Golf 7W 827 B22 CL	7.0	60	B22	300	806	15 000	2700	80	77	45	E	10
93115991	-	LED Fil Golf 7W 827 B15 CL	7.0	60	B15	300	806	15 000	2700	80	77.5	45	E	10
<b>GOLF FROSTED</b>														
93115545	93118085	LED Fil Golf 2.5W 827 E14 FR	2.5	25	E14	300	250	15 000	2700	80	79	45	F	10
93115546	93118086	LED Fil Golf 2.5W 827 E27 FR	2.5	25	E27	300	250	15 000	2700	80	79	45	F	10
93115547	-	LED Fil Golf 2.5W 827 B22 FR	2.5	25	B22	300	250	15 000	2700	80	77	45	F	10
93115548	93118087	LED Fil Golf 2.5W 840 E14 FR	2.5	25	E14	300	250	15 000	4000	80	79	45	F	10
93115549	93118088	LED Fil Golf 2.5W 840 E27 FR	2.5	25	E27	300	250	15 000	4000	80	79	45	F	10
93115550	-	LED Fil Golf 2.5W 840 B22 FR	2.5	25	B22	300	250	15 000	4000	80	77	45	F	10
93115551	93118089	LED Fil Golf 2.5W 865 E14 FR	2.5	25	E14	300	250	15 000	6500	80	79	45	F	10
93115552	93118090	LED Fil Golf 2.5W 865 E27 FR	2.5	25	E27	300	250	15 000	6500	80	79	45	F	10
93115553	-	LED Fil Golf 2.5W 865 B22 FR	2.5	25	B22	300	250	15 000	6500	80	77	45	F	10
93115984	-	LED Fil Golf 2.5W 827 B15 FR	2.5	25	B15	300	250	15 000	2700	80	77.5	45	F	10
93115985	-	LED Fil Golf 2.5W 840 B15 FR	2.5	25	B15	300	250	15 000	4000	80	77.5	45	F	10
93115986	-	LED Fil Golf 2.5W 865 B15 FR	2.5	25	B15	300	250	15 000	6500	80	77.5	45	F	10
93115557	93118093	LED Fil Golf 4.5W 827 E14 FR	4.5	40	E14	300	470	15 000	2700	80	79	45	F	10
93115558	93118094	LED Fil Golf 4.5W 827 E27 FR	4.5	40	E27	300	470	15 000	2700	80	79	45	F	10
93115559	-	LED Fil Golf 4.5W 827 B22 FR	4.5	40	B22	300	470	15 000	2700	80	77	45	F	10
93115560	93118095	LED Fil Golf 4.5W 840 E14 FR	4.5	40	E14	300	470	15 000	4000	80	79	45	F	10
93115561	93118096	LED Fil Golf 4.5W 840 E27 FR	4.5	40	E27	300	470	15 000	4000	80	79	45	F	10
93115562	-	LED Fil Golf 4.5W 840 B22 FR	4.5	40	B22	300	470	15 000	4000	80	77	45	F	10
93115563	93118097	LED Fil Golf 4.5W 865 E14 FR	4.5	40	E14	300	470	15 000	6500	80	79	45	F	10
93115564	93118098	LED Fil Golf 4.5W 865 E27 FR	4.5	40	E27	300	470	15 000	6500	80	79	45	F	10
93115565	-	LED Fil Golf 4.5W 865 B22 FR	4.5	40	B22	300	470	15 000	6500	80	77	45	F	10
93115988	-	LED Fil Golf 4.5W 827 B15 FR	4.5	40	B15	300	470	15 000	2700	80	77.5	45	F	10
93115989	-	LED Fil Golf 4.5W 840 B15 FR	4.5	40	B15	300	470	15 000	4000	80	77.5	45	F	10
93115990	-	LED Fil Golf 4.5W 865 B15 FR	4.5	40	B15	300	470	15 000	6500	80	77.5	45	F	10
93115569	93118101	LED Fil Golf 7W 827 E14 FR	7.0	60	E14	300	806	15 000	2700	80	79	45	E	10
93115570	93118102	LED Fil Golf 7W 827 E27 FR	7.0	60	E27	300	806	15 000	2700	80	79	45	E	10
93115571	-	LED Fil Golf 7W 827 B22 FR	7.0	60	B22	300	806	15 000	2700	80	77	45	E	10
93115572	93118103	LED Fil Golf 7W 840 E14 FR	7.0	60	E14	300	806	15 000	4000	80	79	45	E	10
93115573	93118104	LED Fil Golf 7W 840 E27 FR	7.0	60	E27	300	806	15 000	4000	80	79	45	E	10
93115574	-	LED Fil Golf 7W 840 B22 FR	7.0	60	B22	300	806	15 000	4000	80	77	45	E	10
93115992	-	LED Fil Golf 7W 827 B15 FR	7.0	60	B15	300	806	15 000	2700	80	77.5	45	E	10
93115993	-	LED Fil Golf 7W 840 B15 FR	7.0	60	B15	300	806	15 000	4000	80	77.5	45	E	10

## Energy efficiency class (A-G)\*



## 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.
- Do not use the lamp if the bulb is broken.
- 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.
- Non-dimmable.
- Not for use in totally enclosed recessed fixtures.

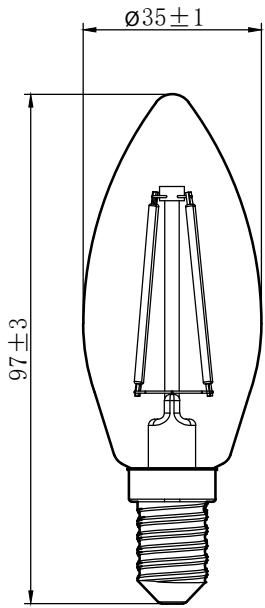
## Common attributes

- Voltage 220-240V 50/60Hz
- CRI>80
- Life Time 15000 Hours L70
- Beam angle 300°
- Switching cycles 50 000
- Warm up time: Instant on
- Power factor: >0.5
- Ambient temperature range -20° C to +40°C.
- Color consistency < 6 SDCM

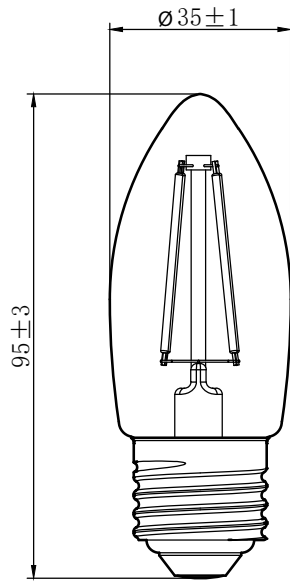
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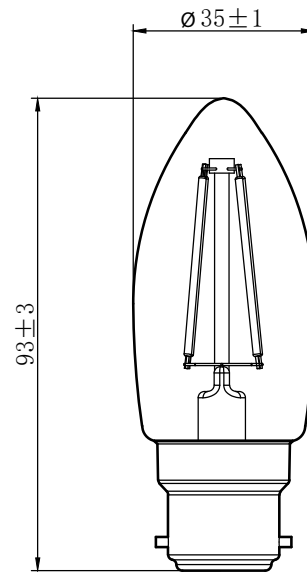
## Dimensions (mm)



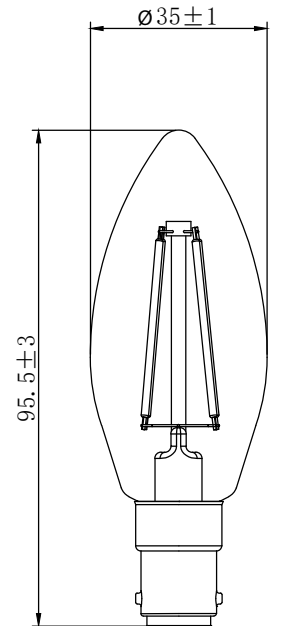
B35 with E14 base



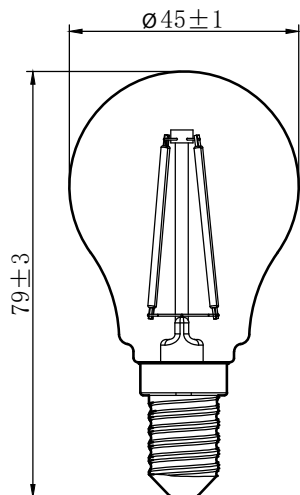
B35 with E27 base



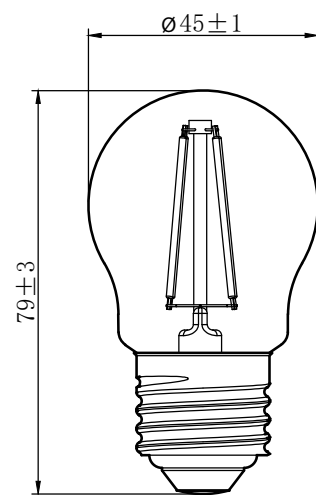
B35 with B22 base



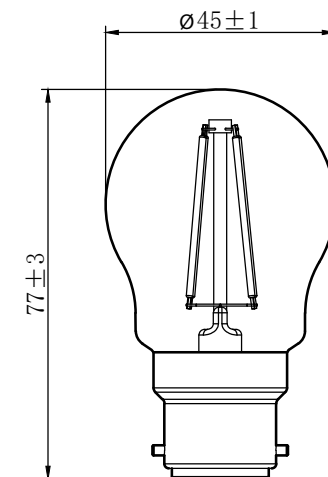
B35 with B15 base



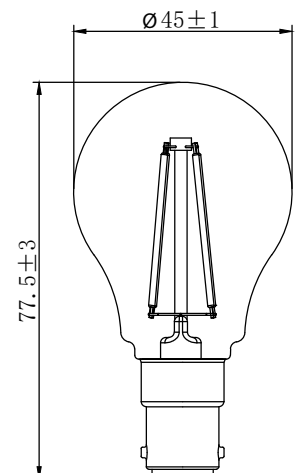
P45 with E14 base



P45 with E27 base

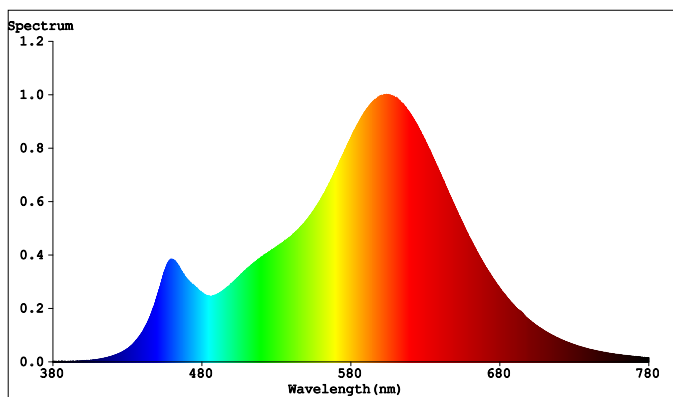


P45 with B22 base

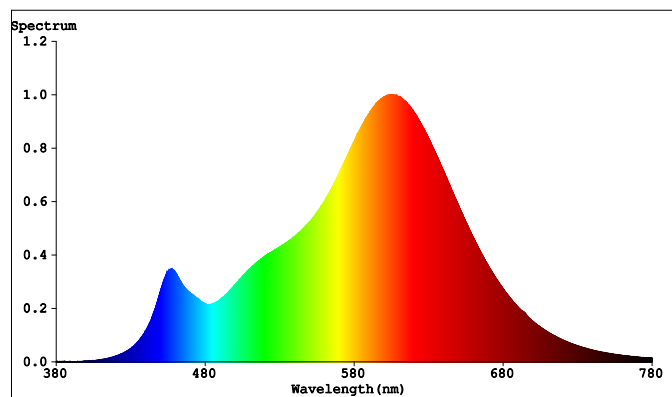


P45 with B15 base

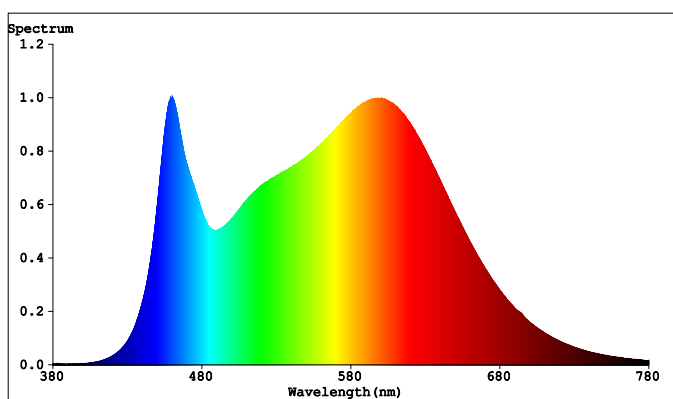
# Spectral distribution



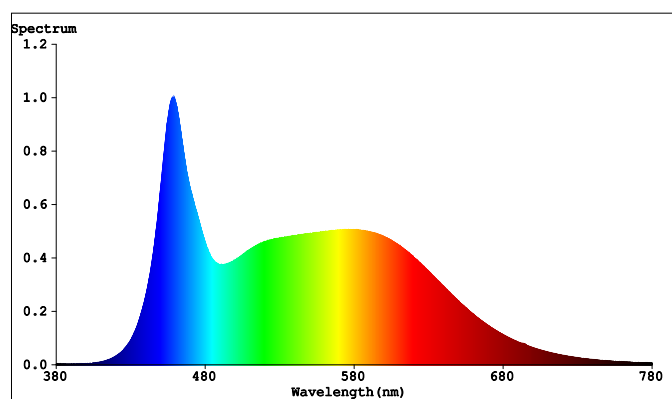
2.5W CL 2700K



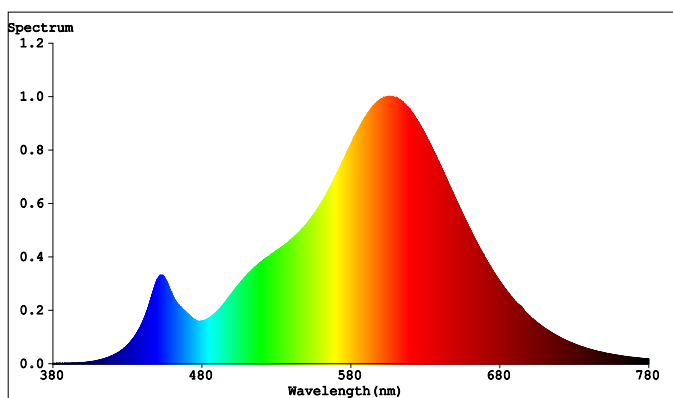
2.5W FR 2700K



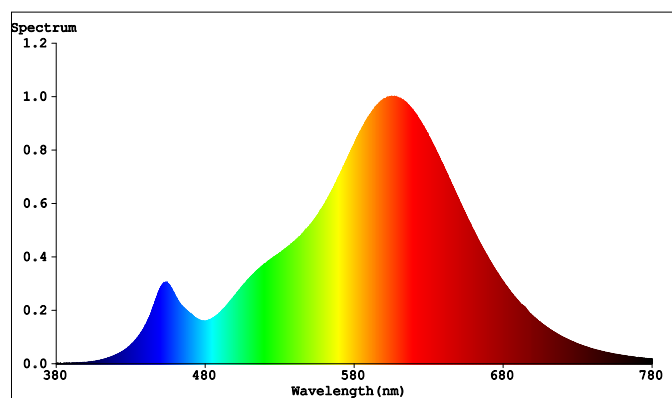
2.5W FR 4000K



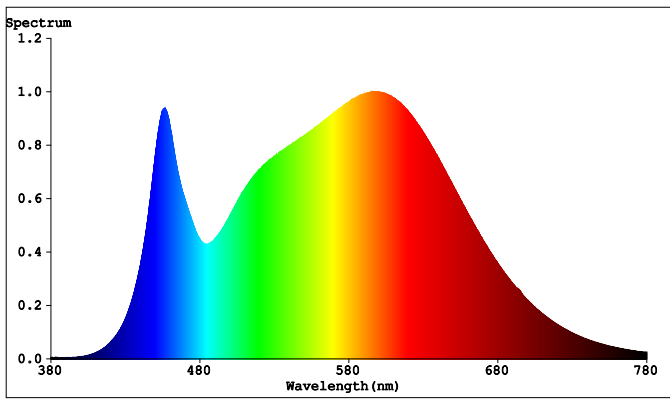
2.5W FR 6500K



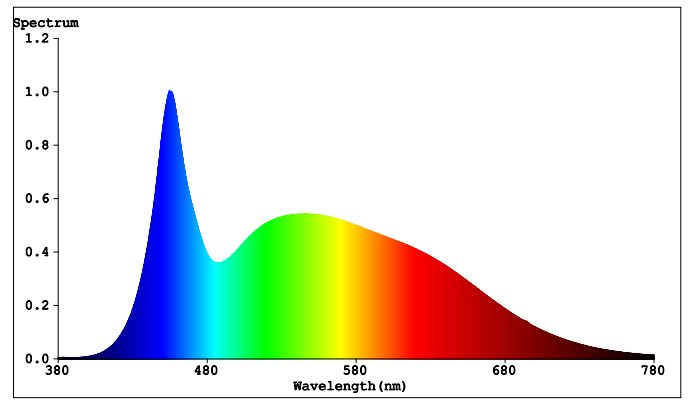
4.5W CL 2700K



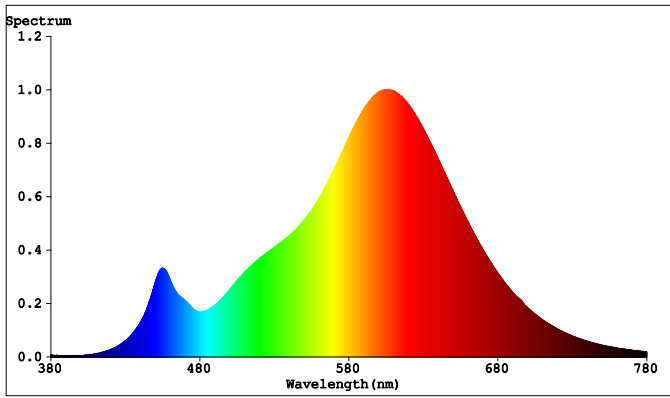
4.5W FR 2700K



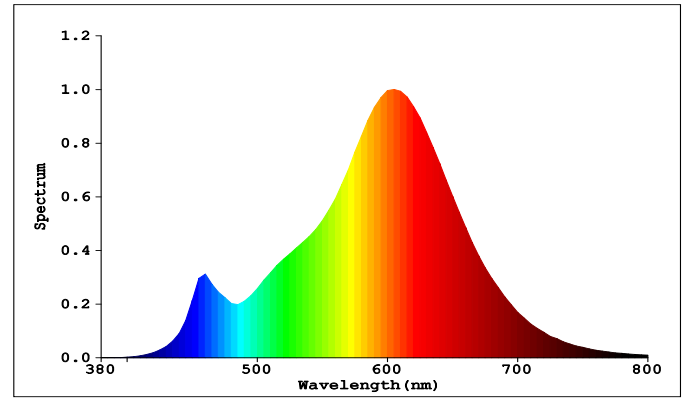
4.5W FR 4000K



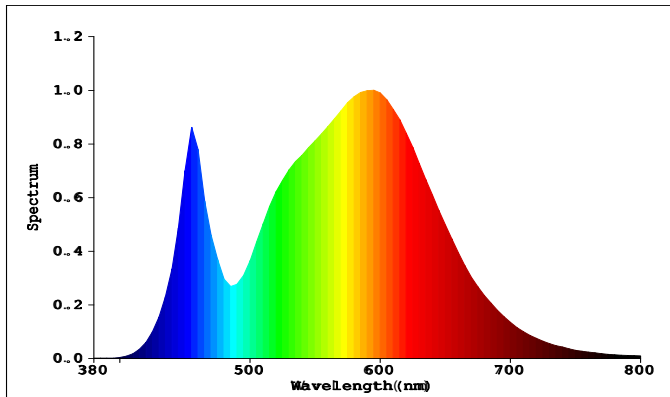
4.5W FR 6500K



7W CL 2700K



7W FR 2700K



7W FR 4000K

All values from 180-400nm are 0