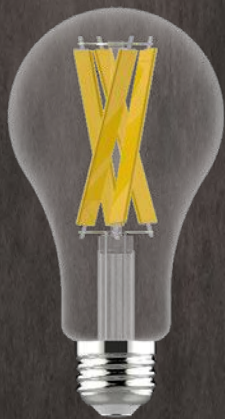


**TOPSTAR**

— Since 1958 —

# A-Type Filament - Ultra bright



**POLLUTION FREE**

RoHS compliant and are 100% mercury free.



**Ultra Bright**

Produces max 2900 lumens.



**LONG LIFE**

With a lifetime of up to 15,000 hours.



**Introduce :**

Enjoy all the benefits of advanced LED energy-saving technology with the TOPSTAR LED Light Bulb. This LED bulb replaces incandescent bulb, producing a similar light output using less electricity. Designed for larger spaces, this dimmable LED bulb produces max 2900 lumens of 2700K Soft White (or 5000K Daylight) light using just 21 watts of electricity - up to 85% less energy than an equivalent 200 watt incandescent light bulb. Combining innovative LED technology with filament strips, the bulbs provide the benefits of LEDs with the look of a traditional bulb. Get instant on to full brightness with relatively cool running performance. These TOPSTAR high output LED bulbs have an average life of 15,000 hours are RoHS compliant, and are 100% mercury free. Choose a bulb for general purpose residential or commercial applications.

**Features & Benefits :**

- Instant on to full brightness and TRIAC dimming.
- High luminous flux, high luminous efficiency.
- These LED lights do not contain mercury and won't release any hazardous gases into the air.
- With a lifetime of up to 15,000 hours, you can reduce the hassle of frequently replacing your light bulbs.
- Energy efficient LED technology uses considerably less power and last longer compared to equivalent incandescent lights.

**Application place :**

The product is suitable for a variety of fixtures, lighting applications and so on.

**Technical Date :**

	TSZ17FA21-LD	TSZ18.5FA21-LD	TSZ21FA23-L
Lamp Type	A21	A21	A23
Rated Voltage	120V	120V	120V
Rated Power	17W	18.5W	21W
Incandescent Equivalent	125W	150W	200W
Power Factor	0.7	0.7	0.7
Declared Luminous Flux	2000lm	2610lm	2900lm
Color Temperature	2700K/5000K	2700K/5000K	2700K/5000K
Average Ra	90	80	80
Beam Angle	300°	300°	300°
Average Life	15000H	15000H	15000H
Working Temperature	-20°C(-4°F)~40°C(+104°F)	-20°C(-4°F)~40°C(+104°F)	-20°C(-4°F)~40°C(+104°F)
Material	Glass	Glass	Glass

Dimmable	Yes	Yes	Yes
Diameter	2.76Inch(70mm)	2.76Inch(70mm)	2.95Inch(75mm)
Height	5.12Inch(130mm)	5.12Inch(130mm)	5.67Inch(144mm)
Weight	0.110Lb(50g)	0.110Lb(50g)	0.121Lb(55g)
Base	E26	E26	E26
Environment	Damp Location	Damp Location	Damp Location
Certificate	ETL、FCC、CEC-T20	ETL、FCC、CEC-T20	ETL、FCC、CEC-T20