



Figure 1. The Photo of ATLB3W20



Figure 2. The Physical Photo of ATLB3W20

**FEATURES**

- Compatible with Traditional Halogen E27/26/B22
- High Luminance
- Low Power Consumption
- High Stability
- Aluminum Alloy Heat-sink
- No UV Radiation
- Long Run Time
- UL Approved



Figure 3. A Replacement of Incandescent Bulbs for hotel or Home Use

**APPLICATIONS**

- Entertainment Lighting
- Architectural Lighting
- Landscape Lighting
- Security/Garden Lighting
- Interior Commercial Lighting

**DESCRIPTION**

ATLB3W20 is environment-friendly, energy-saving and has long service life. It can replace traditional bulbs directly and also can be used in family, hotel, stores and other indoor applications. The physical photos of the bulb are shown in Figure1, Figure 2. Figure 3 shows an application of this bulb, used in hotel or home for illumination.

This bulb has a reasonable, modern and elegant appearance. Scientific heat dissipation and optical design make it an excellent replacement bulb. At the meantime, multiple IP patents have guaranteed the uniqueness and performance of this bulb.

Wide voltage and frequency input make the bulb come without strobe; Transient response without delay; free turn-on and off; luminous decay is less than 5%.

Saving energy is another feature of this bulb. The light effect of the whole lamp reaches 60lm/W, saving electricity more than 6 times.

ATLB3W20 adopts three advanced high power LEDs as the light source. The run time of this bulb is 10 times longer than the other bulbs.

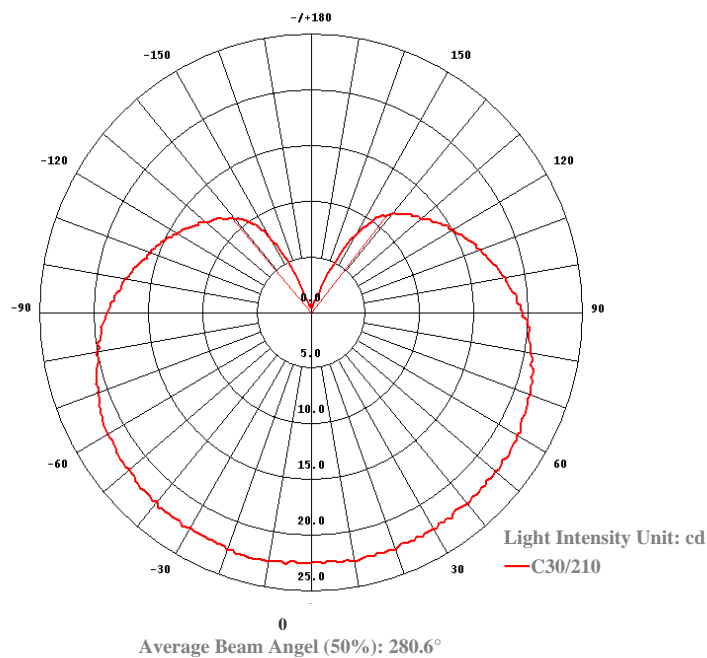


Figure 4. Lighting Angel Curve

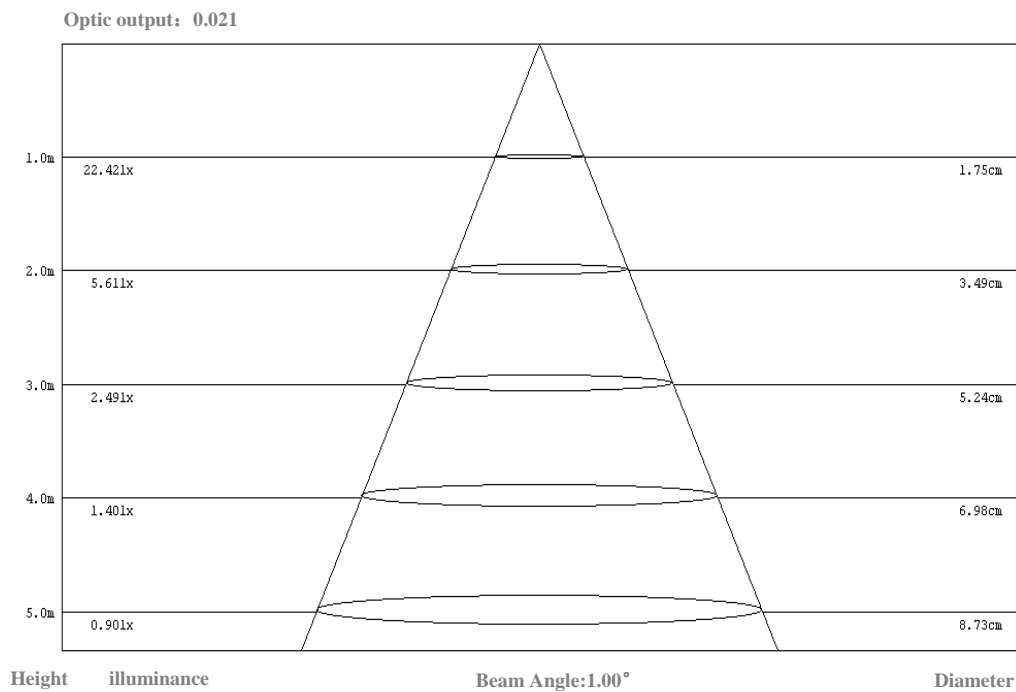


Figure 5. Block Diagram

**COMPARISON**

Figure 6 below shows the brightness comparison between a 3W LED and a 40W Tungsten lamp, from which it proves that the brightness of a 3W LED is nearly equal to a 40W Tungsten Lamp. 1-10 represents the brightness of different places in the lamp cover. The dimensions of the lamp cover are also shown in the figure below.

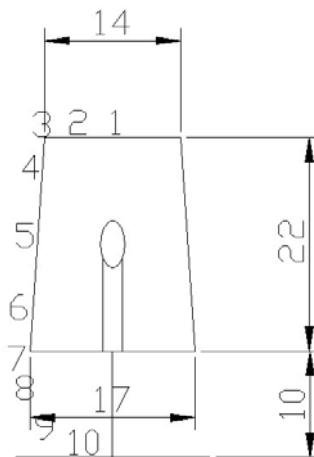
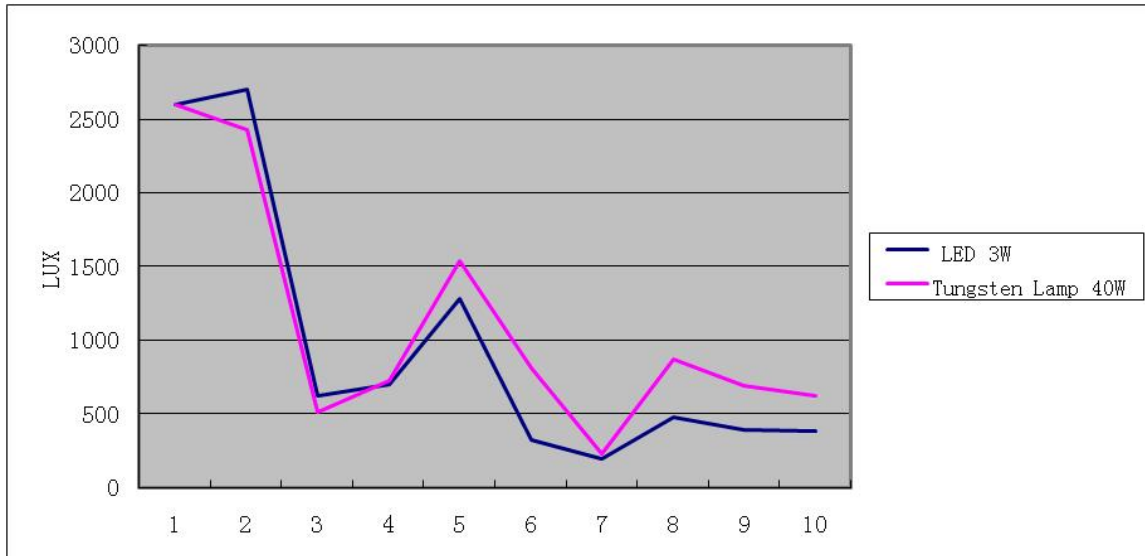


Figure 6. Brightness Comparison between A 3W LED and a 40W Tungsten Lamp

**SPECIFICATIONS**

Table 1. Characteristics.

Parameter	Value	Unit
Input Voltage	AC 100-240	V
LED Power	1W*3	W
Total Power	4.5	W
Luminous Flux	190	lumen



Output Current	330	mA
Color Rendering Index	≥75	
Beam Angle	270	°C

**CONTRAST ON ENERGY-SAVING**

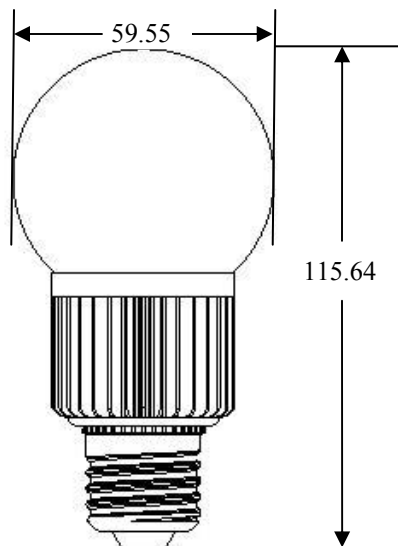
Item	LED Bulb	Traditional Incandescent Bulb
Power Consumption	0.0045KW=0.0045KWH 0.0045 X 20000 H =90KWH	0.025KW =0.025KWH 0.025 X 20000 H = 500KWH
Electricity Save	500 – 90 = 410 (KWH)	

Compared with a 25W traditional incandescent bulb, a 4.5W LED bulb can save 410KWH electricity when used for 2,000 hours.

**OPERATING ENVIRONMENT**

Material	Aluminum alloy + Glass
Working Environment	-20°C ~ +45°C Humidity < 90%
Storage Environment	-40°C ~ +80°C Humidity < 95%
Work Shell Temperature Rising	< 27°C
Work Internal Temperature Rising	< 37°C
Service Life	> 30000H
IP CODE	IP20

**MECHANICAL DIMENSIONS**



**ATTENTION**

1. Please use the correct power supply.
2. Please turn off the power before replacing the bulb.
3. Please read the instruction carefully before using.



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