

# LED Bulb Lamp



## 5W A55

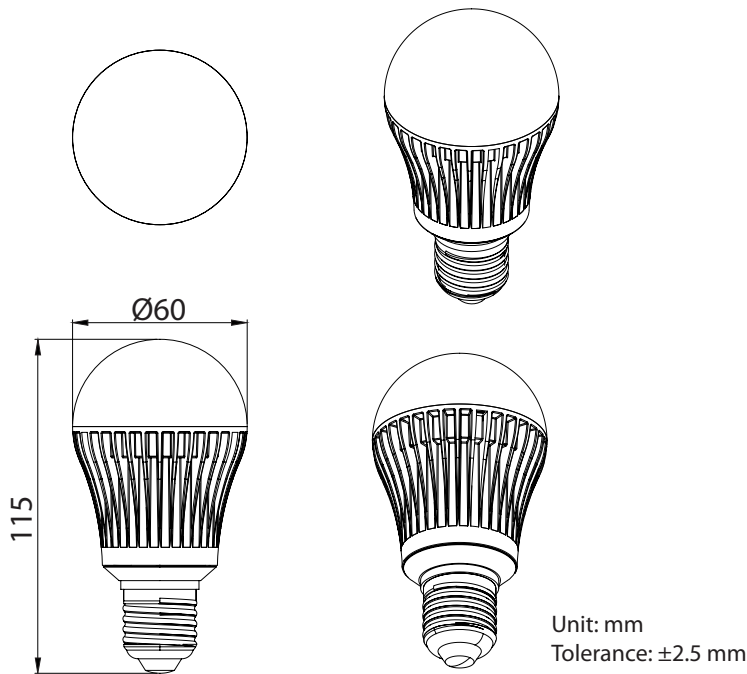
A55 with an industry standard E27 base, it can be a great substitution for traditional bulb and save about 80% energy per year. Long duration and stable lighting can easily fit your requirements. It is an ideal solution for hard to reach light fixtures.

- Advanced LED Technology
- Decrease Energy Consumption
- Energy Saving(5W)
- Reduce CO<sub>2</sub> Emission
- Superior Quality Light
- Ecologically Friendly
- Built to Last

## Table of Contents

• Dimensions.....	2
• Absolute Maximum Rating.....	2
• Specifications.....	2
• Illuminance and Field Angles.....	3
• Light Patterns.....	3
• Application Notes.....	3
• Package Information.....	4

## Dimensions



## Absolute Maximum Rating

Parameter	Rating	Units
LED Junction Temperature	125	°C
Plastic Housing Temperature	80	°C
Operating Temperature	-20 ~ +40	°C
Storage Temperature	-40 ~ +60	°C
AC Input Voltage	100 ~ 250	V
Equilibrium Temperature	60	°C

Table 1: A55 LED Bulb Lamp absolute maximum rating

## Specifications

Parameter	Rating	Units
Power Consumption	5	Wattage
Filed Angle	Wide Flood Angle	Degree
Color Temperature	Cool White / Neutral White / Warm White	K
CRI	70	--
Weight	184 ± 10	g
Base	E27	--

Table 2: A55 LED Bulb Lamp specifications.

## Illuminance and Field Angles

### • Cool White / Warm White

Part Number	Power Consumption(W)	Field Angle	Flux*(Min.)	Flux*(Typ.)	CCT(Typ.)
LB-A55-050100	5W	Wide flood angle	200	240	5650~7000K
LB-A55-050300			180	200	2670~3050K

Table 3: A55 LED Bulb Lamp illuminance and field angles

#### Notes:

1. Lux value is measured under thermal balanced condition. (i.e. after 1 hour continuous operation)
2. LED is a dynamic and constantly evolving technology. The final flux output of your A55 LED Bulb Lamp may vary.
3. Input voltage = AC 100~250V

## Light Patterns

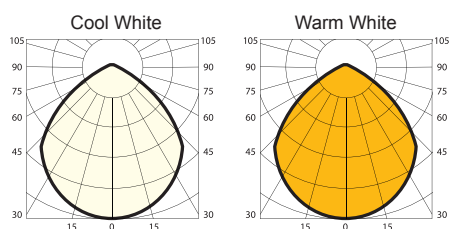


Figure 2: A55 LED Bulb Lamp light patterns for different CCT

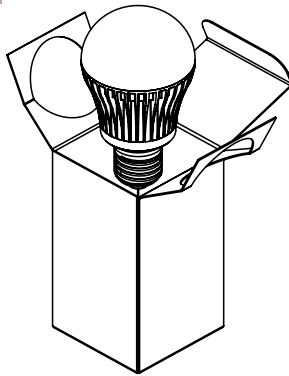
## Application Notes

A55 can be used in widely applications from restaurant, hallway, patio, to our residential use. Easy installation and directly replacement of traditional bulb, A55 integrated with high efficiency driver to provide long lasting and stable lighting source.

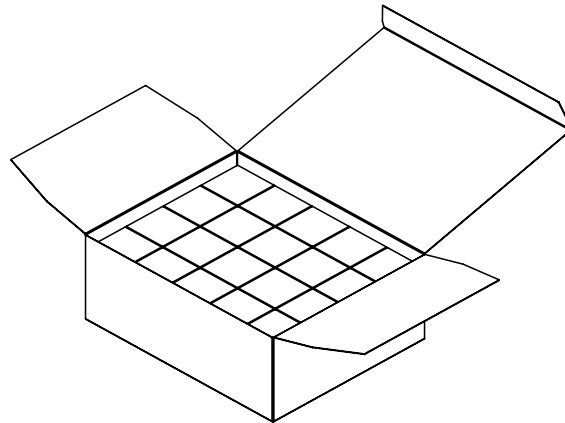
## Package Information(Standard)



Note : Interior Box Dimensions : 135m(length)\*125mm(width)\*170mm(height)  
 Exterior Box Dimensions : 350mm(length)\*283mm(width)\*143mm(height)



Interior Box (per each A55 LED Bulb Lamp)

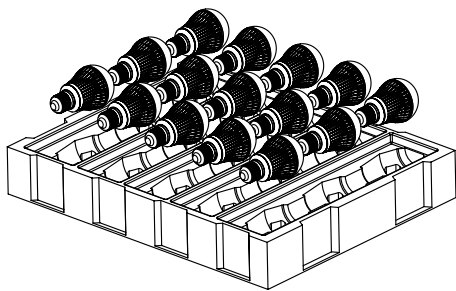


Exterior Box ( 20 Pcs. of A55 LED Bulb Lamp)

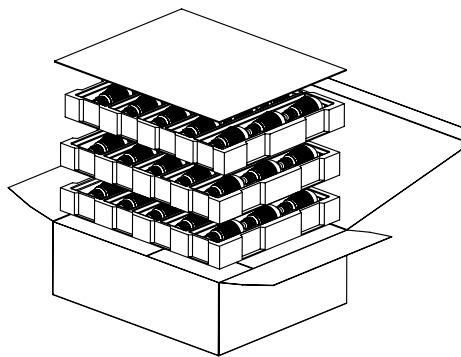
Figure 4: A55 LED Bilb Lamp Standard Package

## Package Information(Bulk)

Note : Interior Tray Dimensions : 500m(length)\*400mm(width)\*65mm(height)  
 Exterior Box Dimensions : 520mm(length)\*425mm(width)\*195mm(height)



Interior Tray (15 Pcs. of A55 LED Lamp)

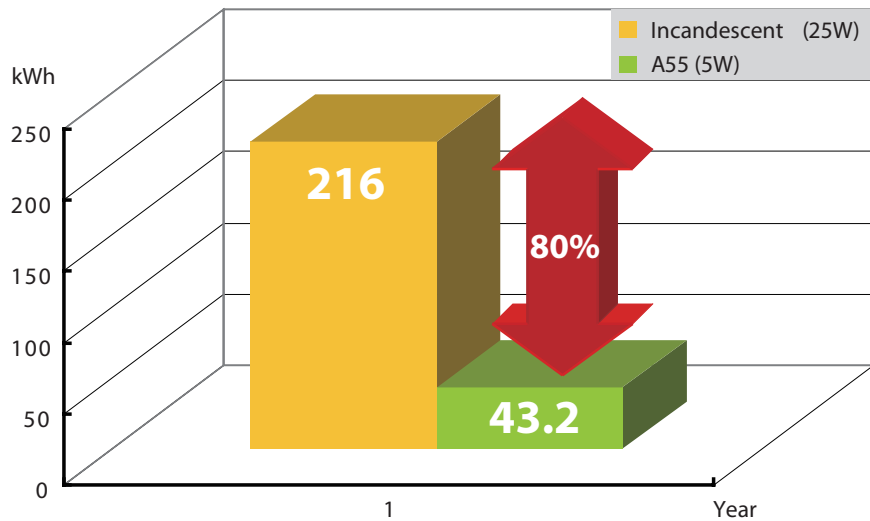
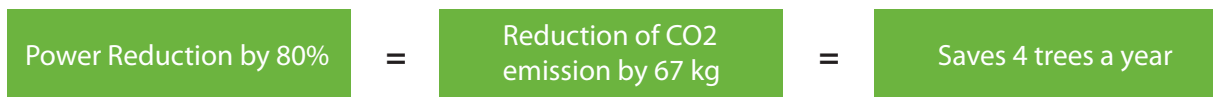


Exterior Box ( 45 Pcs. of A55 LED Lamp)

Figure 5: A55 LED Lamp Bulk Package

## Environmentally Friendly

With the increasing demand for energy and the effect on global warming, Edison Opto plays a role in preserving the forest by reducing energy consumption, and CO2 emission one step at a time. Replacing traditional halogen lamp with Ediosn Opto A55 lighting application, one can help in reducing global warming by 67 kg of CO2 annually.



Calculation based on 24 hours of daily operation.

## Economical



Power Consumption:

25W

Expected Lifetime:

1,000 hrs



Power Consumption:

5W

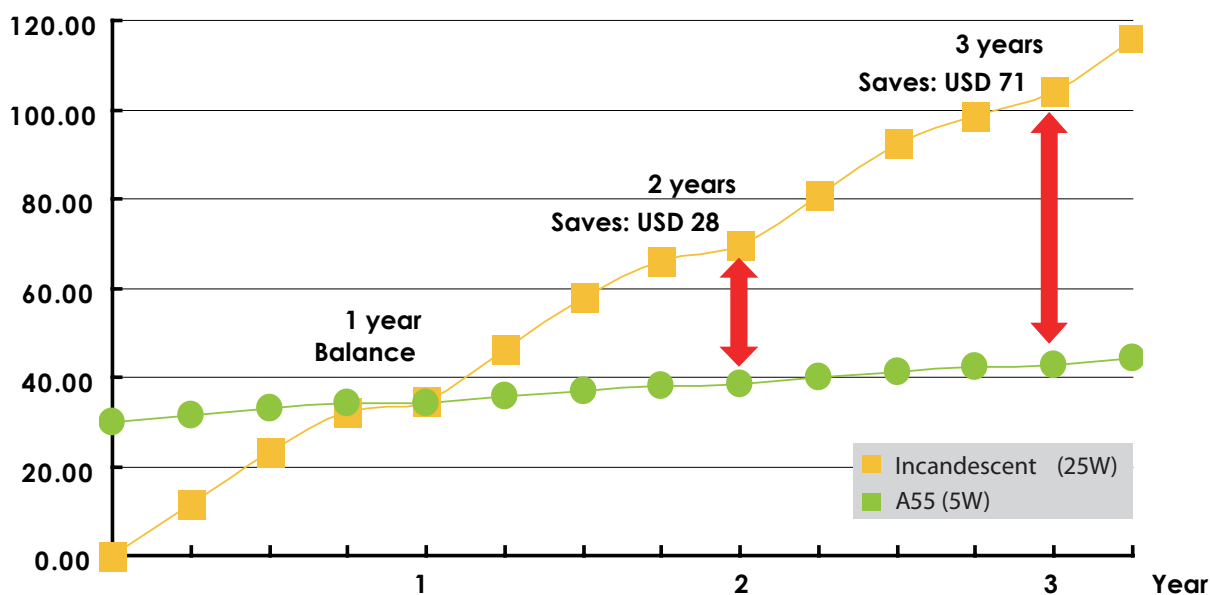
Saving: 172.8 kWh / year

Expected Lifetime:

30,000 hrs



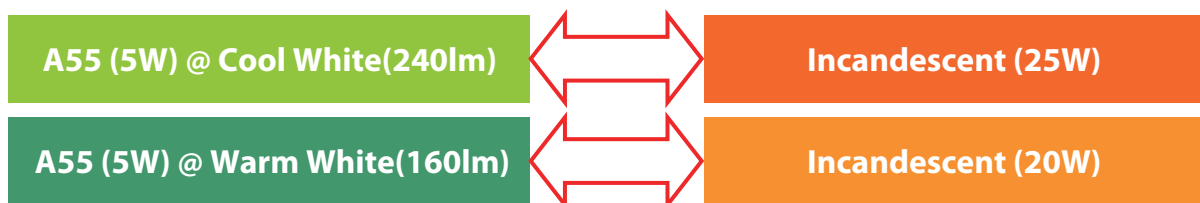
Accumulated cost over lifetime



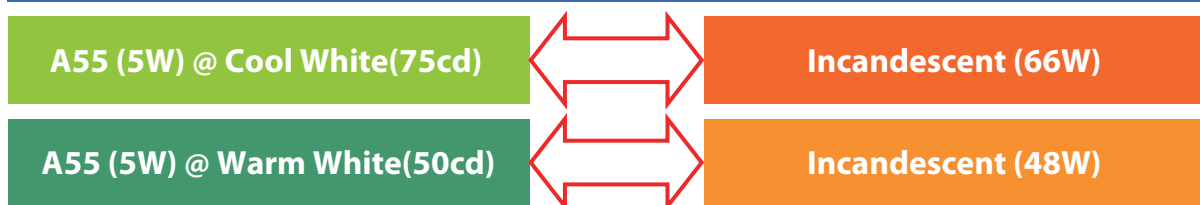
1. Calculation based on 24 hours of daily operation (¢ 9.41/kWh).
2. Cost includes the replacement of 25W Incandescent.

## Intensity distribution curve comparison

### Luminous Flux Comparison



### Candela Comparison



The candela of A55 @ Cool White is 1.1 times the candela of 60W incandescent.  
 The candela of A55 @ Warm White is 1.2 times the candela of 40W incandescent.

