

6W dimmable CooLight (E27) is designed to replace 40W incandescent/CFL bulb directly with the similar luminous flux for down-lighting applications.



**Features:**

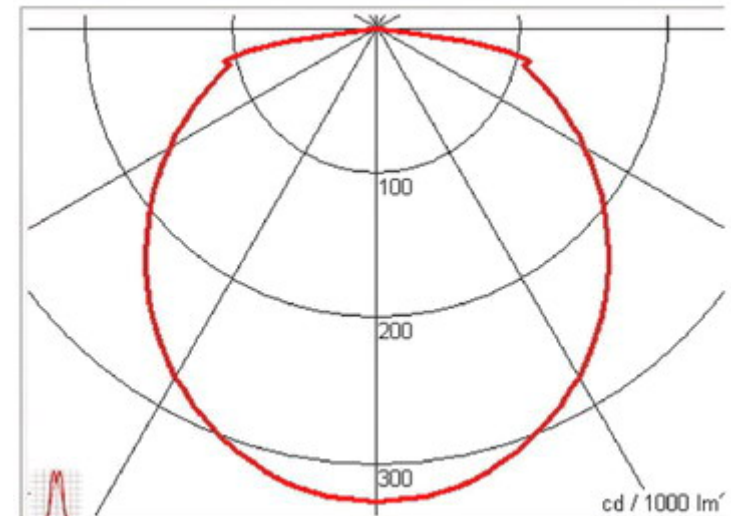
- Direct replacement to 40W incandescent/CFL bulb with similar illuminance
- 0-100% smooth dimming with common incandescent (TRIAC) dimmer , not need to have the specific LED dimming controller
- High power factor correction (~0.9@110V)
- Long use-life, up to 40,000 hours, 20 times of halogen bulbs
- Good environmental benefits. Reducing CO<sub>2</sub> emission, and mercury free
- Good economic benefits. Saving up 85% of the electricity cost
- No lower lifecycle liquid capacitors applied in the driver, instead of solid capacitors,so the life bulb will be extremely long as the life of LEDs

**Energy Consumption Comparison**

Item	Unit	Test Condition	40W Incandescent Bulb	6W CooLight
Power Consumption	W		40W	6W
<b>Energy Saving</b>				
Power	KW		0.04	0.006
%			100%	15%
Power Consumption Per Year	kWh	12Hrs/day Light on	175	26
Power Saving Per Year	kWh		149 ( Saving up 85.1% of power consumption )	
Electricity Cost Per Year	USD	\$ 0.15/kWh	26.25	3.9
Electricity Cost Saving Per Year	USD	\$ 0.15/kWh	22.35 ( Saving up 85.1% of electricity cost )	
3-year Saving on Electricity Cost	USD	\$ 0.15/kWh	67.05	
3-year Maintain Fee	USD	USD4/incandescent bulb;Bulb life:2000 hrs;12hrs on/day	28	0
3-year Total Cost Saving	USD		67.05+28=95.05	
3-year CO2 Emission	Kg	0.637kg CO2/kWh	334.4	0
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**Photometry:**

Typical Radiation Pattern



**Specifications**

Name	CooLight
Housing	Aluminum; PC
Base	E27
Housing Color	White/Silver
Net Weight	95g
LED Color	Warm White/Pure White
Color Temperature	Warm White:2500 -3800K
	Pure White: 5600K
Working Temp.	-20°C -40°C
Storage Condition	-40°C -85°C
Power Input	110V ~ 120V, 50/60Hz
Power Consumption	6W
Luminous Flux	450lm
	500lm
Humidity	0-90% non condensed
Power Factor	0.9
MTBF	30,000 hours
Beam Angle	45±3 °
CRI	> 75
Dimension	110mm×60mm

**Applications**

**100W halogen lighting before replacement**



**LED lighting after replacement with 5-Star**



- While every care has been taken with details on this specification sheet, we accept no responsibility for any inaccuracies and reserve the right to change these specifications without notice to always ensure that you are receiving a superior product

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