

# KTC LED.PowerSpot 7W Dimmable HaloLED

## 7W GU10 PAR16 Lamp



### Product Overview

Flagship products from Kosnic's Technology Centre, the HaloLEDs are uncompromising replacements for halogen GU10 lamps. The unique LED lens and Chip On Board technology deliver the same ambience as halogen, while delivering huge energy savings over halogen lamps without compromising on brightness.

### Features

- Save energy up to 85% compared with halogen lamp.
- Replacement of GU10 halogen lamp.
- High lumen output.
- Dimmable.
- Long life of 35,000h.
- Instant start.
- Negligible UV output.
- Mercury free.

### Safety and Maintenance

- Switch off supply before installing or removing lamp. Allow to cool before handling.
- Do not use in totally enclosed fittings as this will reduce lamp life.
- Do not dispose of in household waste.
- Dispose of in appropriate section of local civic amenity site or recycling centre.

## Specifications

Product Code	KCOB07DIM/GU10-S27	KCOB07DIM/GU10-S50	KCOB07DIM/GU10-S65
Lamp Cap	GU10	GU10	GU10
Lamp Shape	PAR16	PAR16	PAR16
Nominal Power (W)	7	7	7
Voltage	220-240Vac 50-60Hz	220-240Vac 50-60Hz	220-240Vac 50-60Hz
Current (mA)	57	57	57
Nominal Useful Luminous Flux (lm)	420	420	480
Total Luminous Flux (lm)	450	440	520
CCT (K)	2700K Warm White	5000K Daylight	6500K Day Light
Nominal Lifetime (h)	35000	35000	35000
Beam Angle (°)	38	38	38
Dimmable	Yes - See website datasheet	Yes - See website datasheet	Yes - See website datasheet
Switching Cycles	50000	50000	50000
Warm-up time to 60% (S)	Instant full light	Instant full light	Instant full light
Suitable for Accent Lighting	Yes	Yes	Yes
Length (mm)	72	72	72
Diameter (mm)	50	50	50
Mercury (mg)	0	0	0
Clean-up instructions	N/A	N/A	N/A
Retrofit	No	No	No
Equivalent Wattage (W)	61	66	69
Rated Power (W)	7.0	7.0	7.0
Rated Useful Luminous Flux (lm)	420	460	480
Rated Lifetime (h)	35000	35000	35000
Power Factor	0.53	0.53	0.53
Rated Peak Candelas (cd)	850	900	950
Lumen Maintenance Factor at Nominal Lifetime	0.75	0.75	0.75
SDCM of CCT	<6	<6	<6
CRI	81	>80	82
Start Time (s)	0.49	0.49	0.49
Ambient Temperature Range (°C)	-20 to 40	-20 to 40	-20 to 40

Notes: The Useful Luminous Flux quoted is for the output within a 90° cone as per the EU implementing directive on ecodesign requirements for directional lamps.

## Energy Label

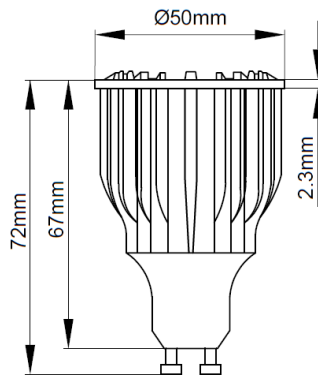
Manufacturer	Kosnic	Kosnic	Kosnic
Product Code	KCOB07DIM/GU10-S27	KCOB07DIM/GU10-S50	KCOB07DIM/GU10-S65
Energy Class	A	A+	A+
Energy Consumption (kWh/1000h)	7.00 (7)	7.00 (7)	7.00 (7)

Notes: The kWh/1000h value published on the energy label is required to be rounded up to an integer according to the EU implementing directive on Energy Labelling. The value to 2 decimal places is given for reference.

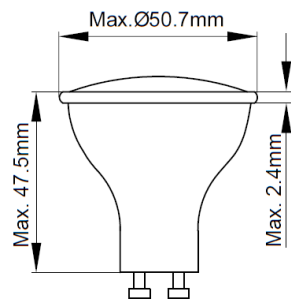
### Product Markings

Manufacturer	Kosnic	Kosnic	Kosnic
Product Code	KCOB07DIM/GU10-S27	KCOB07DIM/GU10-S50	KCOB07DIM/GU10-S65
Volts (V)	220-240Vac 50-60Hz	220-240Vac 50-60Hz	220-240Vac 50-60Hz
Nominal Watts (W)	7	7	7
Current (mA)	57	57	57
Nominal Useful Luminous Flux (lm)	420	460	480
CCT (K)	2700	4000	6500
Beam Angle (°)	38	38	38
CE Mark	Yes	Yes	Yes
WEEE Mark	Yes	Yes	Yes
Batch Code	Yes	Yes	Yes

### Dimensions

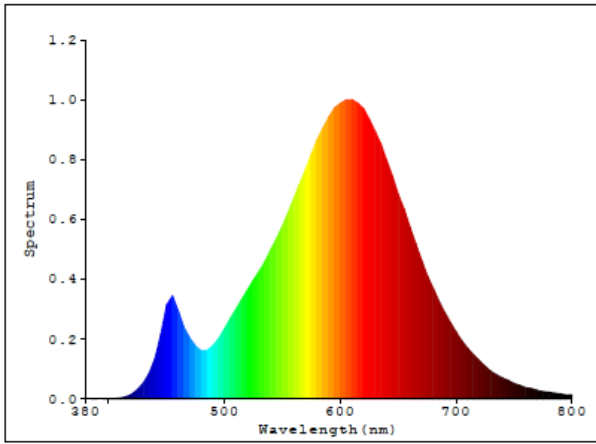


KCOB07DIM/GU10

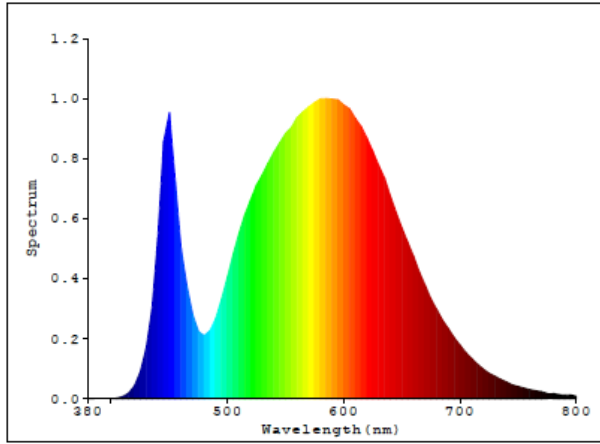


GU10 Ø51(IEC 30357)

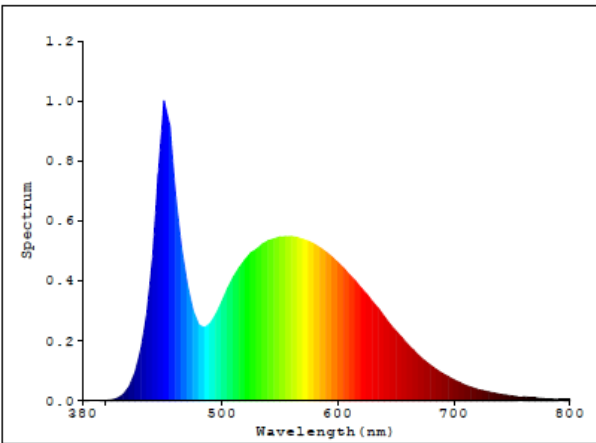
### 2700K



### 4000K



### 6500K



## Compatibility

It is important to appreciate that not all dimmer switches will provide effective, smooth and flicker free dimming. The operation of common mains voltage AC dimmers appears similar but the electrical characteristics vary significantly. While this makes no difference to filament lamps, the effect on the electronics within the LED lamp can be dramatic and are often incompatible. Please note that all information in this guide is based on testing under laboratory conditions and should be used as guidance only. Because of the complicated application environment, the huge variation in dimmer construction from one model to another it is not possible to guarantee that a lamp will work with a particular dimmer and undesirable effects could be observed even with recommended dimmer switches. In extreme cases incompatible dimmer switches may damage the lamps. **Please ensure that the set-up is tested for performance before committing to a large project.**

### Recommended Dimmer Switches:

Manufacturer	Model	Rating	Notes
Varilight	V.Pro (Adjustable)	250W/400W	1 to 20 lamps. Approx. 90% dimming.
Varilight	V.Pro	250W/400W	1 to 20 lamps. Approx. 85% dimming.
Varilight	Eclique JDQI401S (Touch)	400W	1 to 20 lamps. Approx. 85% dimming.
Varilight	LEDLite/LL1109 (TLC Supplied)	120W	1 to 20 lamps. Approx. 80% dimming.
Richmond/Zano	ZGRID500 (Adjustable)	400W	1 to 20 lamps. Approx. 90% dimming.
Hamilton	L400/2	400W	1 to 20 lamps. Approx. 75% dimming.
Hamilton	H-GDM250W	250W	1 to 16 lamps. Approx. 85% dimming.
Hamilton	H-GDMTM250 (Touch)	250W	1 to 16 lamps. Approx. 85% dimming.
Schneider/GET	MultiwayG Digital (Touch)	300W	1 to 12 lamps. Approx. 85% dimming.