

## KTC LED.PowerSpot.Hilux 6W Dimmable LED 6W Dimmable 60° GU10 PAR16 LED SMD Lamp



### Product Overview

The KTC-SMD range is perfect for home, office and hospitality settings with all the environmental and financial benefits of LED technology. A direct retrofit for standard halogen GU10 lamps, the SMD range provides a choice of wattages. Each SMD lamp blends into decorative fittings with a stylish lamp body, while PPS Thermally Conductive Plastic provides excellent heat dissipation and electrical insulation making them the ideal choice for many installations.

### Features

- Save energy up to 85% compared with halogen lamp.
- Direct replacement of GU10 halogen lamp.
- 60° beam angle.
- Dimmable
- High lumen output.
- Long life of 30,000h.
- Instant start.
- Negligible UV output.
- Mercury free.

### Safety and Maintenance

- Switch off supply and allow cooling before handling lamp.
- Use in totally enclosed fittings will reduce lamp life.
- Do not dispose of lamp in household waste.
- Dispose of in appropriate section of local civic amenity site or recycling centre.

## Specifications 60° Beam Angle

Product Code	KSMD06DIM/GU10-F30	KSMD06DIM/GU10-F40	KSMD06DIM/GU10-F65
Lamp Cap	GU10	GU10	GU10
Lamp Shape	PAR16	PAR16	PAR16
Nominal Power (W)	6	6	6
Voltage	220-240Vac 50-60Hz	220-240Vac 50-60Hz	220-240Vac 50-60Hz
Current (mA)	47	47	47
Nominal Useful Luminous Flux (lm)	380	380	380
Total Luminous Flux (lm)	580	580	580
CCT (K)	3000K Warm White	4000K Cool White	6500K Day Light
Nominal Lifetime (h)	30000	30000	30000
Beam Angle (°)	60	60	60
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)	54.0	54.0	54.0
Diameter (mm)	50.0	50.0	50.0
Mercury (mg)	0	0	0
Clean-up instructions	N/A	N/A	N/A
Retrofit	Yes	Yes	Yes
Equivalent Wattage (W)	56	56	56
Rated Power (W)	6.0	6.0	6.0
Rated Useful Luminous Flux (lm)	380	380	380
Rated Lifetime (h)	30000	30000	30000
Power Factor	0.56	0.56	0.56
Rated Peak Candelas (cd)	340	340	340
LMF at Nominal Lifetime	0.75	0.75	0.75
SDCM of CCT	<6	<6	<6
CRI	82	82	86
Start Time (s)	0.40	0.40	0.40
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.

## Product Markings 60° Beam Angle

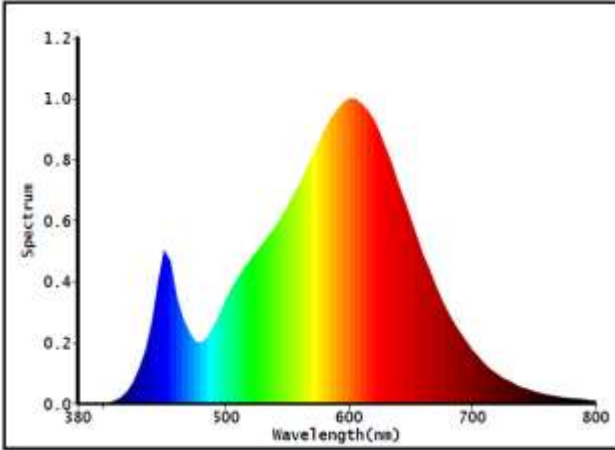
Manufacturer	Kosnic	Kosnic	Kosnic
Product Code	KSMD06DIM/GU10-F30	KSMD06DIM/GU10-F40	KSMD06DIM/GU10-F65
Volts (V)	220-240Vac 50-60Hz	220-240Vac 50-60Hz	220-240Vac 50-60Hz
Nominal Watts (W)	6	6	6
Current (mA)	47	47	47
Nominal Useful Luminous Flux (lm)	380	380	380
CCT (K)	3000	4000	6500
Beam Angle (°)	60	60	60
CE Mark	Yes	Yes	Yes
WEEE Mark	Yes	Yes	Yes
Batch Code	Yes	Yes	Yes

### Energy Label 60° Beam Angle

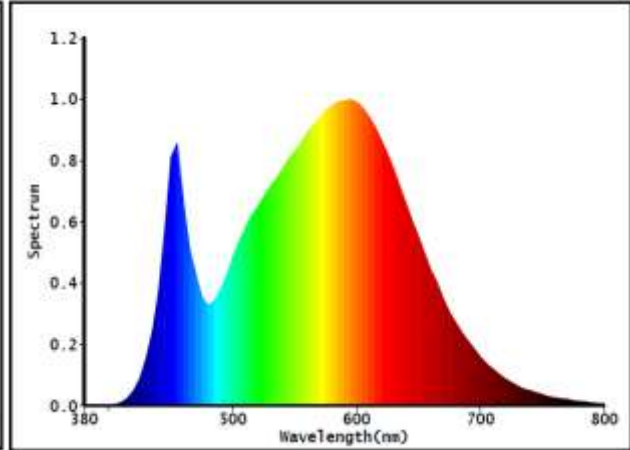
Manufacturer	Kosnic	Kosnic	Kosnic
Product Code	KSMD06DIM/GU10-F30	KSMD06DIM/GU10-F40	KSMD06DIM/GU10-F65
Energy Class	A+	A+	A+
Energy Consumption (kWh/1000h)	6	6	6

### Photometric Information 60° Beam Angle

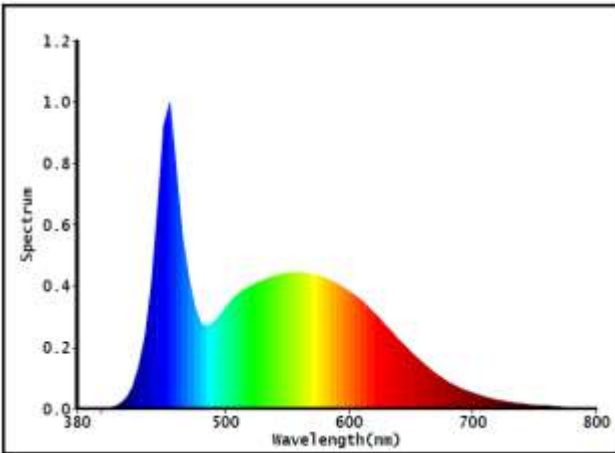
3000K



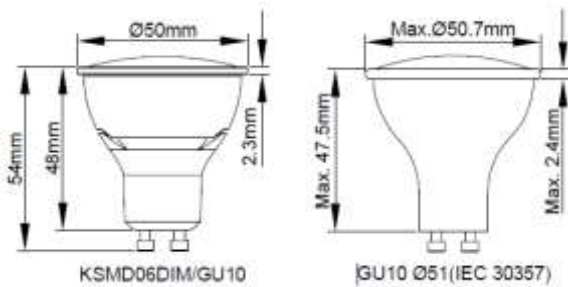
4000K



6500K



### Dimensions



## 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:

Make	Model	Marked Rating	Notes
Aurora	AU-DSP400X	400W	1 to 16 lamps. Approx. 95% dimming.
Click	CMA145 (or MD9022)	250W	1 to 16 lamps. Approx. 80% dimming.
Danlers	DQDGD MK	400W	1 to 8 lamps. Approx. 85% dimming.
Hamilton	H-GDM250W	250W	2 to 16 lamps. Approx. 95% dimming.
Hamilton	H-GDMTM250 (Touch)	250W	2 to 16 lamps. Approx. 95% dimming.
Hamilton	H-LEDStat	100w	1 to 16 lamps. Approx. 95% dimming.
Hamilton	L400/2 (or N4002)	400W	1 to 16 lamps. Approx. 75% dimming.
Varilight	Eclique (JDQI401S)	400W	1 to 16 lamps. Approx. 95% dimming.
Varilight	LEDLite (VLLQ1W from TLC)	120W	1 to 16 lamps. Approx. 80% dimming.
Varilight	V.Dim	400W	1 to 16 lamps. Approx. 75% dimming.
Varilight	V.Pro	100W LED	1 to 16 lamps. Approx. 95% dimming.
Zano	ZGRID500	50W LED	1 to 16 lamps. Approx. 85% dimming.