

KTC LED.PowerSpot 4.5W Dimmable LED

4.5W Dimmable GU10 PAR16 Lamp



Product Overview

Suitable for the most demanding of professional users, Kosnic's KTC-PRO range offers lamps that deliver huge energy savings over halogen lamps without compromising on brightness. The lamps can quickly replace halogen products in accent and general lighting applications, and once in place rapid payback is achieved.

Features

- Save energy up to 85% compared with halogen lamps.
- Dimmable
- Direct replacement of GU10 halogen lamp.
- · High lumen output.
- Long life of 35,000h.
- 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.



DATA SHEET

Specifications

Product Code	KPRO4.5DIM/GU10-S30	KPRO4.5DIM/GU10-S40	KPRO4.5DIM/GU10-S65	
Lamp Cap	GU10	GU10	GU10	
Lamp Shape	PAR16	PAR16	PAR16	
Nominal Power (W)	4.5	4.5	4.5	
Voltage	220-240Vac 50-60Hz	220-240Vac 50-60Hz	220-240Vac 50-60Hz	
Current (mA)	37	37	37	
Nominal Useful Luminous Flux (Im)	220	240	250	
Total Luminous Flux (Im)	260	280	290	
CCT (K)	3000K Warm White	4000K Cool White	6500K Day Light	
Nominal Lifetime (h)	35000	35000	35000	
Beam Angle (°)	45	45	45	
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)	34	37	38	
Rated Power (W)	4.5	4.5	4.5	
Rated Useful Luminous Flux (Im)	220	240	250	
Rated Lifetime (h)	35000	35000	35000	
Power Factor	0.53	0.53	0.53	
Rated Peak Candelas (cd)	360	370	380	
LMF at Nominal Lifetime	0.75	0.75	0.75	
SDCM of CCT	<6	<6	<6	
CRI	82	82	82	
Start Time (s)	0.30	0.30	0.30	
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

Manufacturer	Kosnic	Kosnic	Kosnic	
Product Code	KPRO4.5DIM/GU10-S30	KPRO4.5DIM/GU10-S40	KPRO4.5DIM/GU10-S65	
Volts (V)	220-240Vac 50-60Hz	220-240Vac 50-60Hz	220-240Vac 50-60Hz	
Nominal Watts (W)	4.5	4.5	4.5	
Current (mA)	37	37	37	
Nominal Useful Luminous Flux (Im)	220	240	250	
CCT (K)	3000	4000	6500	
Beam Angle (°)	45	45	45	
CE Mark	Yes	Yes	Yes	
WEEE Mark	Yes	Yes	Yes	
Batch Code	Yes	Yes	Yes	

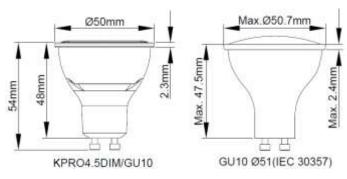




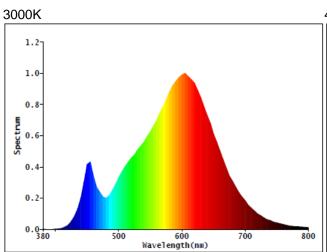
Energy Label

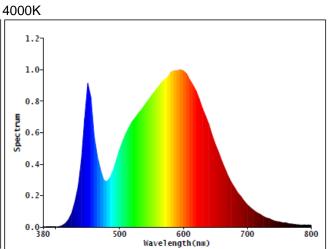
Manufacturer	Kosnic	Kosnic	Kosnic
Product Code	KPRO4.5DIM/GU10-S30	KPRO4.5DIM/GU10-S40	KPRO4.5DIM/GU10-S65
Energy Class	Α	A+	A+
Energy Consumption (kWh/1000h)	5	5	5

Dimensions

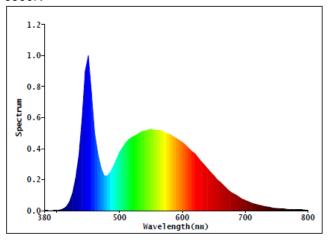


Photometric Information





6500K





DATA SHEET

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. In the testing dimmers are loaded with up to 100W of lamps for the initial stabilisation period before lower combinations are tested.

Because of the complicated application environment and the 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 satisfactory performance before committing to a large project.

Recommended Dimmer Switches:

Manufacturer	Model	Marked Rating	Notes