



## **KPRO06DIM/GU10**

PRO 6W LED Dimmable GU10



## **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.

## Specifications

	KPRO06DIM/GU10-S30	KPRO06DIM/GU10-S40	KPRO06DIM/GU10-S65
<b>Fitting</b>	GU10	GU10	GU10
<b>Shape / Type</b>	PAR16	PAR16	PAR16
<b>Colour Finish</b>	Silver	Silver	Silver
<b>Optics Type</b>	Prismatic Lens	Prismatic Lens	Prismatic Lens
<b>Wattage (w)</b>	6	6	6
<b>Equivalent Wattage (w)</b>	44	46	48
<b>Useful Lumens (lm)</b>	290	310	320
<b>Total Lumens (lm)</b>	370	390	400
<b>Input Current (mA)</b>	46	46	46
<b>Input Voltage</b>	220-240Vac	220-240Vac	220-240Vac
<b>CCT Temperature (k)</b>	3000	4000	6500
<b>CCT Name</b>	Warm White	Cool White	Day Light
<b>Rated Life (hrs)</b>	35000	35000	35000
<b>Nominal Lifetime (hrs)</b>	35000	35000	35000
<b>Switch Cycles</b>	50000	50000	50000
<b>Peak Candelas (cd)</b>	400	420	430
<b>Beam Angle (°)</b>	45	45	45
<b>CRI</b>	82	84	83
<b>Dimmable</b>	Yes	Yes	Yes
<b>Retrofit</b>	Yes	Yes	Yes
<b>Suitable for Accent Lighting</b>	Yes	Yes	Yes
<b>Power Factor</b>	0.57	0.57	0.57
<b>Start Time (s)</b>	0.3	0.3	0.3

<b>Warm-up Time (s)</b>	Instant full light	Instant full light	Instant full light
<b>Length (mm)</b>	54	54	54
<b>Width (mm)</b>	50	50	50
<b>Depth (mm)</b>	50	50	50
<b>Mercury (mg)</b>	0	0	0
<b>Clean-up instructions</b>	N/A	N/A	N/A
<b>Rated Power (W)</b>	6.0	6.0	6.0
<b>Rated Useful Luminous Flux (lm)</b>	290	310	320
<b>LMF at Lifetime</b>	0.75	0.75	0.75
<b>SDCM of CCT</b>	<6	<6	<6
<b>Ambient Temperature (°C)</b>	-20 to 40	-20 to 40	-20 to 40

## Product Markings

	KPRO06DIM/GU10-S30	KPRO06DIM/GU10-S40	KPRO06DIM/GU10-S65
<b>Manufacturer</b>	Kosnic	Kosnic	Kosnic
<b>Product Code</b>	KPRO06DIM/GU10-S30	KPRO06DIM/GU10-S40	KPRO06DIM/GU10-S65
<b>Volts (V)</b>	220-240Vac 50-60Hz	220-240Vac 50-60Hz	220-240Vac 50-60Hz
<b>Nominal Watts (W)</b>	6	6	6
<b>Current (mA)</b>	46	46	46
<b>Nominal Useful Luminous Flux (lm)</b>	290	310	320
<b>CCT (K)</b>	3000	4000	6500
<b>Beam Angle (°)</b>	45	45	45
<b>CE Mark</b>	Yes	Yes	Yes
<b>WEEE Mark</b>	Yes	Yes	Yes
<b>Batch Code</b>	Yes	Yes	Yes

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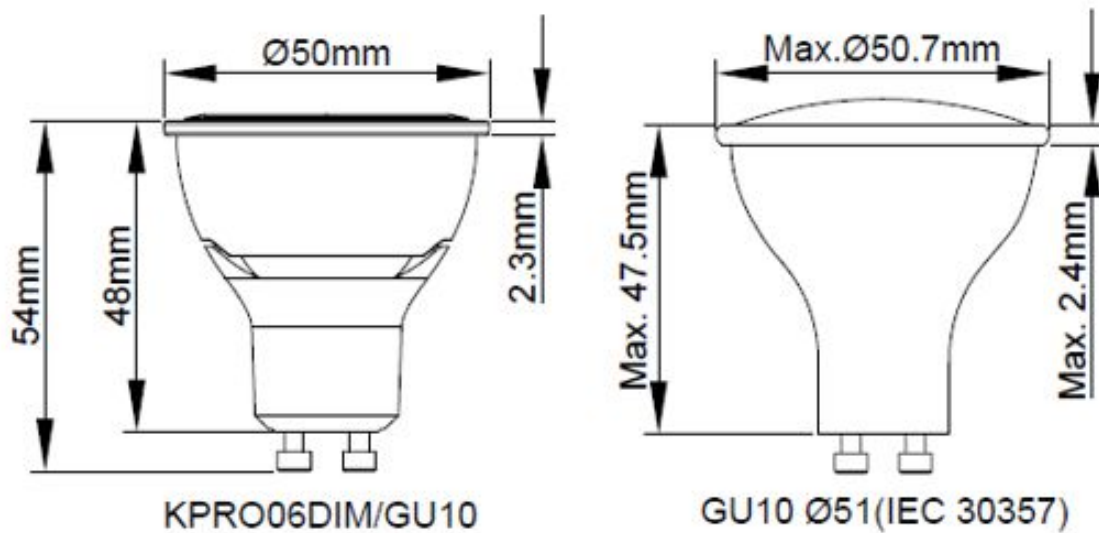
## Energy Label

	KPRO06DIM/GU10-S30	KPRO06DIM/GU10-S40	KPRO06DIM/GU10-S65
<b>Manufacturer</b>	Kosnic	Kosnic	Kosnic
<b>Product Code</b>	KPRO06DIM/GU10-S30	KPRO06DIM/GU10-S40	KPRO06DIM/GU10-S65
<b>Energy Class</b>	A	A	A
<b>Energy Consumption (kWh/1000h)</b>	6	6	6

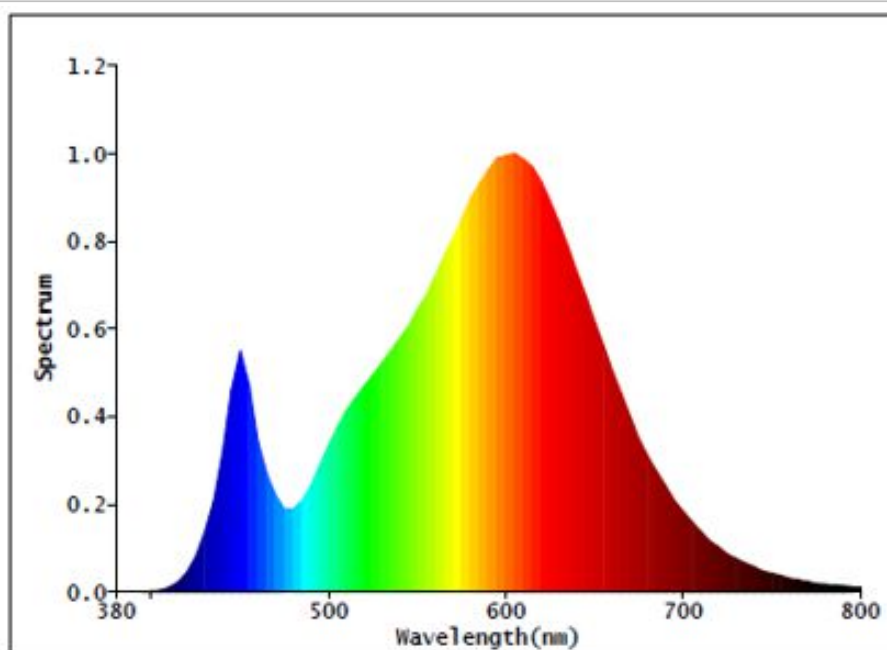
## Packaging

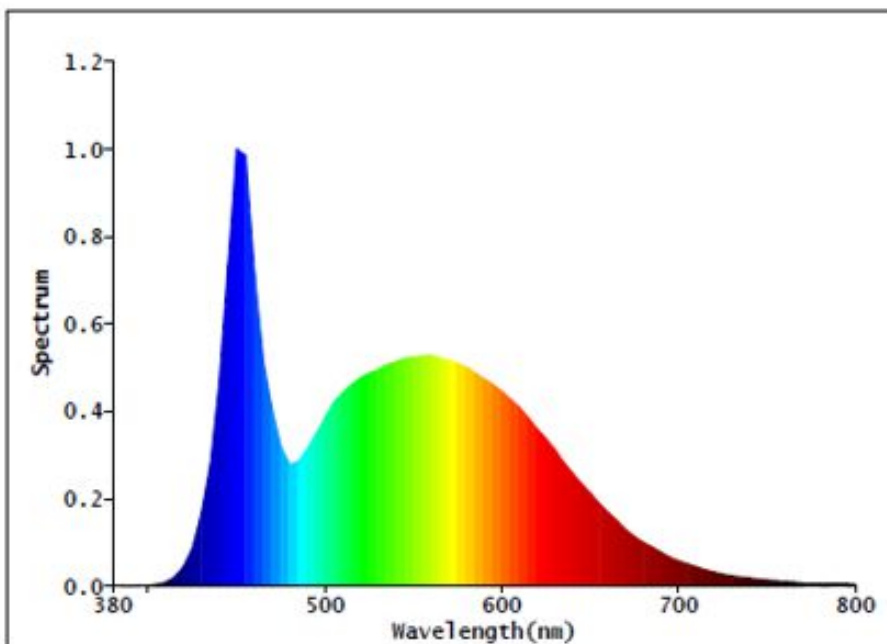
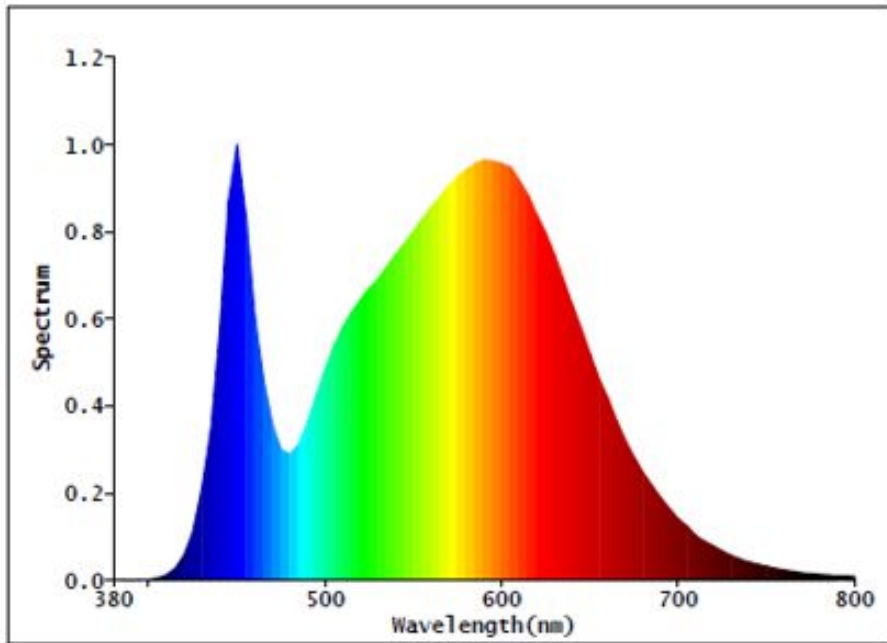
	KPRO06DIM/GU10-S30	KPRO06DIM/GU10-S40	KPRO06DIM/GU10-S65
<b>Outer Box Length (mm)</b>	575	575	575
<b>Outer Box Width (mm)</b>	285	285	285
<b>Outer Box Height (mm)</b>	157	157	157
<b>Volume</b>	0.025728375	0.025728375	0.025728375
<b>Box Quantity</b>	100	100	100
<b>Outer Box Weight (kg)</b>	7.9	7.9	7.9

KPRO06DIM/GU10-S30  
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KPRO06DIM/GU10-S30





# 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 up to 100W of load 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 satisfactory performance before committing to a large project.

## Recommended Dimmer Switches:

Manufacturer	Model	Marked Rating	Notes
Aurora	AU-DSP400X	400W	1 to 16 lamps. Approx. 90% dimming.
Click	CMA145 (or MD9022)	250W	1 to 16 lamps. Approx. 80% dimming.
Danlers	DQDGD MK	400W	1 to 8 lamps. Approx. 90% dimming.
Hamilton	H-GDM400W	400W	1 to 16 lamps. Approx. 70% dimming.
Hamilton	H-GDMTM250 (Touch)	250W	1 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. 70% dimming.
Varilight	Eclique (JDQI401S)	400W	1 to 16 lamps. Approx. 95% dimming.
Varilight	LEDLite (VLLQ1W from TLC)	120W	1 to 16 lamps. Approx. 70% dimming.
Varilight	V-Dim	400W	2 to 16 lamps. Approx. 70% dimming.
Varilight	V-Pro	100W LED	1 to 16 lamps. Approx. 95% dimming.
Zano	ZGRID500	50W LED	1 to 8 lamps. Approx. 85% dimming.

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