



Tec II

Tec II 5.5W Retrofit LED GU10 range with dim to warm option

The Kosnic dimmable GU10 lamps are perfect for home and hospitality settings. The lamps are a direct retrofit for standard halogen GU10 lamps and deliver the same aesthetics and ambient light as halogen, while allowing the customer to significantly reduce energy costs. Perfect for hospitality settings such as restaurants, bars and hotels where ambience is an essential factor.

T5.5D-GUF40 (TEC5.5DIM/GU10-F40) (0)

Specification

Voltage	220-240Vac 50/60Hz
Current (mA)	27
Rated Power (W)	5.5
CCT Words	Cool White
CCT (K)	4000
Total Luminous Flux (lm)	660
Beam Angle(°)	60
Nominal Lifetime (h)	25000
L70B50 Lifetime (h)	25000
L80B10 Lifetime (h)	12000
L90 Lifetime (h)	6000
Blue Light Hazard	RG1
Glow wire temperature(°C)	650
SDCM of CCT	<6
Flicker %	<1
Power Factor	0.9
Dimensions (L x W x D) (mm)	53*φ50mm
Ambient Temperature Range (°C)	-20 to 40
Weight (kg)	0.046
In-rush current (peak/duration) (A)	0.7A/600us
Protection Rating	Class II
IP Rating	IP20

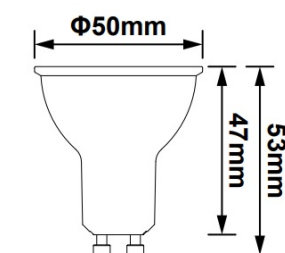
Light Source Specification

Lighting Technology Used	LED
Directional / Non Directional (DLS/NDLS)	DLS
Light Source Cap Type (or other interface)	GU10
Mains / Non-Mains (MLS/NMLS)	MLS
Connected Light source (Y/N)	N

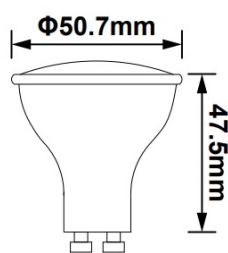
Colour Tunable Light Source (Y/N)	N
High Luminance Light Source (Y/N)	N
Anti-Glare Shield (Y/N)	N
Dimmable (Y/N/Specific dimmer)	Y
Energy Consumption in on-mode (kWh/1000H)	6
Energy Efficiency Class	E
Useful Luminous Flux (lm)	530
Beam Angle correspondence (in 360°/120°/90°)	in 90°
CCT	4000
On-Mode Power (Pon) (W)	5.5
Standby Power (Psb) (W)	0
CRI	80
CRI (min)	80
CRI (max)	84
Height (mm)	53
Width (mm)	50
Depth (mm)	50
Claim of Equivalent Power? (Y/N)	Y
Equivalent Power (W)	74
Chromaticity Co-Ordinates (X)	0.380
Chromaticity Co-Ordinates (Y)	0.382
Peak Luminous Intensity (DLS) (cd)	600
Beam Angle (DLS)	60
Beam Angle (min)(DLS)	55
Beam Angle (max) (DLS)	65
Survival Factor (x.xx)	0.9
Lumen Maintenance Factor (x.xx)	0.96
Displacement Factor	0.9
Colour Consistency in Mcadam Ellipses (Mains LED/OLED)	6
LED light source replaces flourescent without integrated ballast of particular wattage (Mains LED/OLED) (Y/N)	N

Flicker metric (pst LM) (x,x)	0.1
Stroboscopic effect metric (SVM) (x,x)	0.1

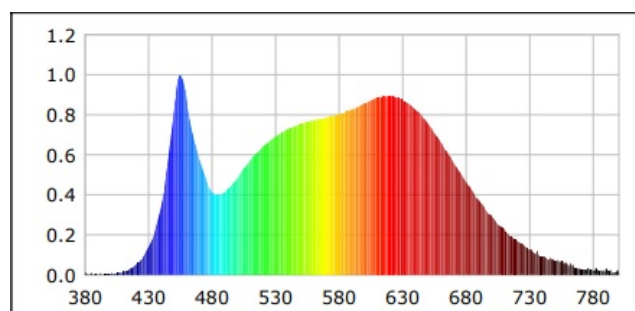
Technical Drawings



TEC5.5/GU10
TEC5.5DIM/GU10



GU10Φ51(IEC 60357)



Recommended Dimmer Switches:

Manufacturer	Model	Marked Rating	Notes
Varilight	V.Pro	100W LED	1 to 18 lamps. Approximately 95% dimming.
Aurora	AU-DSP400X	400W	1 to 18 lamps. Approximately 95% dimming.
Click	CMA145 (or MD9022)	250W	1 to 18 lamps. Approximately 85% dimming.
Zano	ZGRIDLED	250W LED	1 to 18 lamps. Approximately 95% dimming.
Robus	LOADPRO RLA200DT-01	133W LED	1 to 18 lamps. Approximately 90% dimming.
Hamilton	LEDITB	5-100W LED	1 to 18 lamps. Approximately 95% dimming.
Hamilton	H-LEDSTAT-GR	5-100W LED	1 to 18 lamps. Approximately 90% dimming.
LAP	H0025/B-SF	5-150W	1 to 18 lamps. Approximately 95% dimming.
Schneider	60-400VA TRANSFORMER	330W	1 to 18 lamps. Approximately 90% dimming.
Crabtree	SFCR1125/LED SFCR1225/LED	5-100W	1 to 18 lamps. Approximately 90% dimming.
Danlers	DQDGD MK	400W	1 to 18 lamps. Approximately 85% dimming.
Varilight	Eclique JDQI401S	400W	1 to 18 lamps. Approximately 85% dimming.
CYANIRIS	CYDIMRFT1 (Remote)	2 x 288W	1 to 18 lamps. Approximately 95% dimming.
MK	MB1523WHI	6-100W	1 to 18 lamps. Approximately 95% dimming.

Dimming 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 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.