

KTC LED.PowerSpot.Hilux 5W LED

5W 12V 60° G5.3 MR16 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 replacement for standard halogen MR16 lamps, the SMD range 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 80% compared with halogen lamp.
- For use with 12Vdc constant voltage LED driver.
- Can be used with most 12Vac transformers for halogen lamps.
- High lumen output.
- 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 may 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	KSMD05PWR/G5.3-F30	KSMD05PWR/G5.3-F40	KSMD05PWR/G5.3-F65
Lamp Cap	G5.3	G5.3	G5.3
Lamp Shape	MR16	MR16	MR16
Nominal Power (W)	5	5	5
Voltage	12V ac/dc	12V ac/dc	12V ac/dc
Current (mA)	417	417	417
Nominal Useful Luminous Flux (lm)	230	240	260
Total Luminous Flux (lm)	360	370	390
CCT (K)	3000K Warm White	4000K Cool White	6500K Day Light
Nominal Lifetime (h)	30000	30000	30000
Beam Angle (°)	60	60	60
Dimmable	No	No	No
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)	50.0	50.0	50.0
Diameter (mm)	50.0	50.0	50.0
Mercury (mg)	0	0	0
Clean-up instructions	N/A	N/A	N/A
Retrofit	No	No	No
Equivalent Wattage (W)	23	24	26
Rated Power (W)	5.0	5.0	5.0
Rated Useful Luminous Flux (lm)	230	240	260
Rated Lifetime (h)	30000	30000	30000
Power Factor	1.00	1.00	1.00
Rated Peak Candelas (cd)	230	240	260
LMF at Nominal Lifetime	0.75	0.75	0.75
SDCM of CCT	<6	<6	<6
CRI	81	83	83
Start Time (s)	0.10	0.10	0.10
Ambient Temperature Range (°C)	-20 to 40	-20 to 40	-20 to 40

Notes: The luminous flux quoted is for the output within a 90° cone as per the EU implementing directive on ecodesign requirements for directional lamps; previously published values may represent the total output luminous flux.

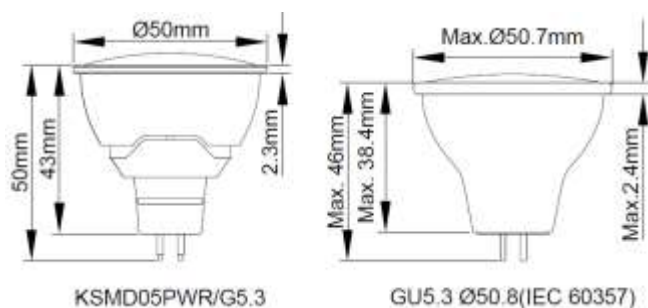
Energy Label

Manufacturer	Kosnic	Kosnic	Kosnic
Product Code	KSMD05PWR/G5.3-F30	KSMD05PWR/G5.3-F40	KSMD05PWR/G5.3-F65
Energy Class	A	A	A
Energy Consumption (kWh/1000h)	6	6	6

Product Markings

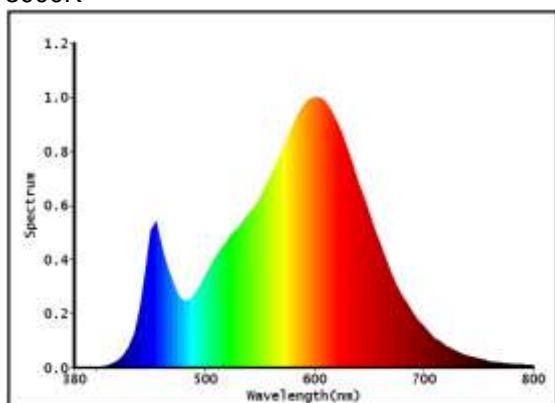
Manufacturer	Kosnic	Kosnic	Kosnic
Product Code	KSMD05PWR/G5.3-F30	KSMD05PWR/G5.3-F40	KSMD05PWR/G5.3-F65
Volts (V)	12V ac/dc	12V ac/dc	12V ac/dc
Nominal Watts (W)	5	5	5
Current (mA)	417	417	417
Nominal Useful Luminous Flux (lm)	230	240	260
CCT (K)	3000	4000	6500
Beam Angle (°)	60	60	60
CE Mark	Yes	Yes	Yes
WEEE Mark	Yes	Yes	Yes
Batch Code	Yes	Yes	Yes

Dimensions

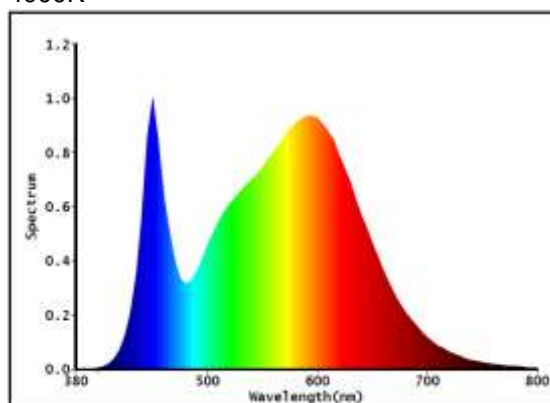


Photometric Information

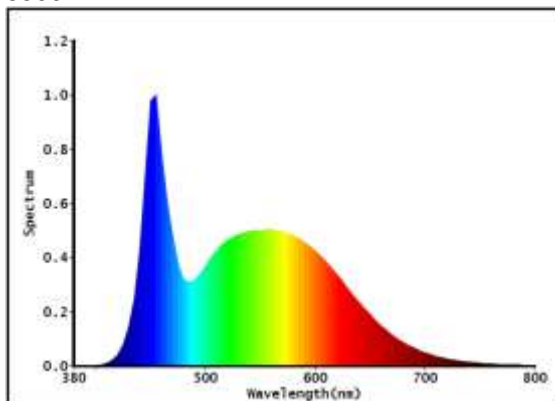
3000K



4000K



6500K



AC Transformer Compatibility

The lamps are primarily designed for use with 12VDC constant voltage LED drivers. However, the lamps can also be used with many 12VAC electronic transformers for halogen lamps. Test results for a limited number of transformers in laboratory conditions are listed below. The lamps were tested as 25W to 35W equivalents when loading AC transformers. It is recommended that lamps, especially greater numbers, are tested with AC transformers before committing to an installation.

Make	Model No.	Marked Rating	Number of Lamps
AURORA	AU-150SS	50-150VA	1 to 6
AURORA	AU-210SS	50-210VA	1 to 8
AURORA	AU-60AMP	20-60VA	2 to 3
AURORA	AU-E105	35-105VA	2 to 4
AURORA	AU-RD105	35-105VA	2 to 4
AURORA	AU-RD60E	20-60VA	1 to 3
AURORA	DAIS DA-E60	20-60VA	1 to 3
AURORA	ENLITE EN-SC60	20-60VA	1 to 3
COLLINGWOOD	GREEN60	20-60VA	1 to 3
COLLINGWOOD	SET105FS	35-105VA	1 to 4
CONTACT	CED-60	20-60VA	1 to 3
ET (IBL)	4104.00	20-60VA	1 to 3
ET (IBL)	4105.00	35-75VA	1 to 3
ET (IBL)	4106.00	35-105VA	1 to 4
HALOLITE	HA-S105TE	35-105VA	1 to 4
HALOLITE	HA-S60TA	20-60VA	1 to 3
HALOLITE	HA-SF60T	20-60VA	1 to 3
HALOLITE	HA-SM60TS	20-60VA	1 to 3
JCC	JC4013	35-105VA	1 to 4
JCC	JC4030	10-60VA	1 to 3
KNIGHTSBRIDGE	T02	20-60VA	1 to 3
LL	ET105	20-105VA	1 to 4
LUXINA	ET60T-3	20-60VA	1 to 3
MAE	MA-60	10-60VA	1 to 3
OSRAM	HTM 105	35-105VA	1 to 4
OSRAM	HTM 70/230-240	20-70VA	1 to 3
PHILIPS	CERTALINE 105W	35-105VA	1 to 4
RELCO	MINIFOX 60 PFS	20-60VA	1 to 3
ROBUS	LEB60D	20-60VA	1 to 3
ROBUS	RM105DN	35-105VA	1 to 4
SPEEDY	TE-0105-C101	35-105VA	1 to 4
VARILIGHT	YT105L	0-105VA	1 to 4
VARILIGHT	YT150	0-150W	1 to 6
VARILIGHT	YT250	0-250VA	1 to 10
VARILIGHT	YT50L	0-50VA	1 to 3
VARILIGHT	YT50LZ	0-50VA	1 to 3
VARILIGHT	YT70L	0-70VA	1 to 3