

## LED.Commercial 9W LED DD

### 9W GR8 (2-pin) & GR10q (4-pin) LED DD Lamp



### Product Overview

Kosnic's range of LED DD lamps takes a fresh approach to functional lighting with a design philosophy so that there are no barriers to retrofitting LEDs in commercial fittings. The products bring the energy saving capabilities of LED technology to the commercial environment and the lamps can quickly replace fluorescent DD lamps with little or no rewiring.

### Features

- Save energy up to 65% compared with a fluorescent DD lamp with magnetic ballast.
- Single side high lumen output for light only where it's needed.
- Long life of 30,000h.
- 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 dispose of in household waste.
- Dispose of in appropriate section of local civic amenity site or recycling centre.

## Specifications

Product Code	KLED09STD/2P-W40	KLED09STD/4P-W40
Lamp Cap	GR8	GR10q
Lamp Shape	DD	DD
Nominal Power (W)	9	9
Voltage	220-240Vac 50-60Hz	220-240Vac 50-60Hz
Current (mA)	74	74
Nominal Luminous Flux (lm)	900	900
CCT (K)	4000K Cool White	4000K Cool White
Nominal Lifetime (h)	30000	30000
Dimmable	No	No
Switching Cycles	50000	50000
Warm-up time to 60% (S)	Instant full light	Instant full light
Length (mm)	145	145
Diameter (mm)	145	145
Mercury (mg)	0	0
Clean-up instructions	N/A	N/A
Retrofit	Yes	Yes
Rated Power (W)	9.0	9.0
Rated Luminous Flux (lm)	900	900
Rated Lifetime (h)	30000	30000
Power Factor	0.53	0.53
Rated Peak Candelas (cd)	300	300
Lumen Maintenance Factor at Nominal Lifetime	0.75	0.75
SDCM of CCT	<6	<6
CRI	74	74
Start Time (s)	0.39	0.39
Ambient Temperature (°C)	-20 to 40	-20 to 40
Compatible Emergency Module	No	No

## Energy Label

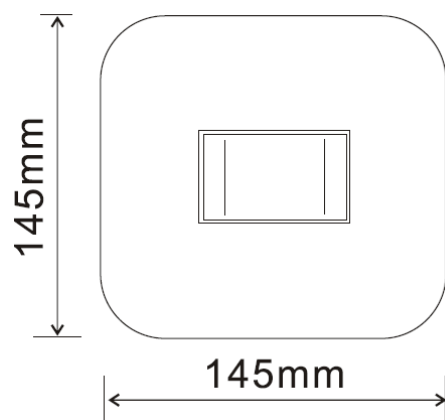
Manufacturer	Kosnic	Kosnic
Product Code	KLED09STD/2P-W40	KLED09STD/4P-W40
Energy Class	A+	A+
Energy Consumption (kWh/1000h)	9 (9.00)*	9 (9.00)*

\* The kWh/1000h value published on the energy label is required to be rounded up to an integer according to the EU implementing directive on Energy Labelling. The value to 2 decimal places is given for reference.

## Product Markings

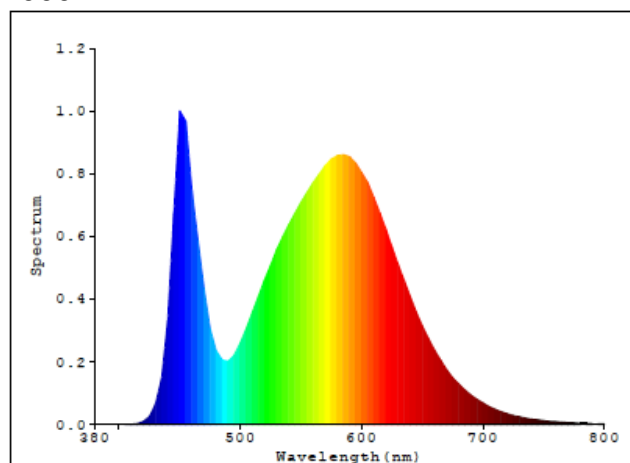
Manufacturer	Kosnic	Kosnic
Product Code	KLED09STD/2P-W40	KLED09STD/4P-W40
Voltage	220-240Vac 50-60Hz	220-240Vac 50-60Hz
Nominal Power (W)	9	9
Current (mA)	74	74
CE Mark	Yes	Yes
WEEE Mark	Yes	Yes
Batch Code	Yes	Yes

### Dimensions



### Photometric Information

4000K



### Fitting Conversion

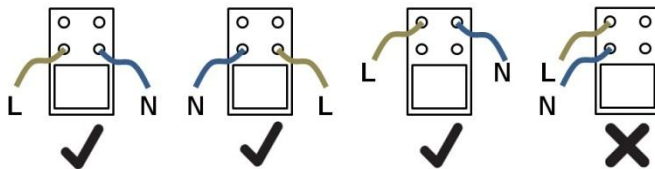
The existing fitting must be switched off and isolated at the mains before commencing electrical work. It is the responsibility of the converter to ensure the fitting continues to meet safety requirements. If in doubt consult a qualified electrician.

#### Magnetic Ballast (choke):

- Remove the starter and any power factor capacitor.
- Plug the LED DD lamp directly into the socket.

#### Electronic Ballast (High Frequency) Conversion:

- The electronic ballast is not required so it must be removed or bypassed.
- Wire the Live and Neutral directly from the supply to the lampholder terminals as per the diagram below, adding a 1A fuse between the Live supply and the lampholder.
- The Live and Neutral must be wired to opposite terminals on the lampholder and not be wired to terminals on the same side.



Add an indelible warning label, visible when changing the lamp, showing the substance of:  
**Warning - not for use with fluorescent lamp, use only Kosnic LED DD lamp.**