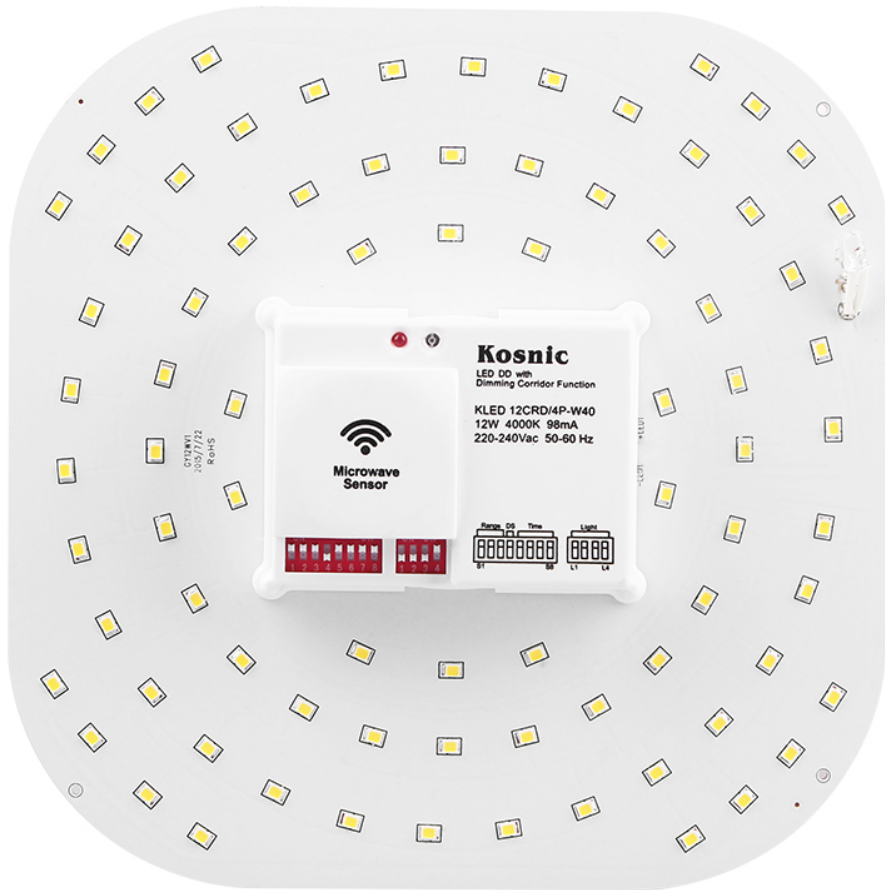




DD Sensor I

DD Sensor I 18W LED DD with integrated motion and light sensor, 4pin, 4000K

Kosnic's range of LED DD lamps takes a fresh approach to functional lighting with a design philosophy offering plug-in emergency packs 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.

KLED18CRD/4P-W40 ()

Specification

Voltage	220-240Vac 50-60Hz
Current (mA)	90
Rated Power (W)	18
CCT Words	Cool White
CCT (K)	4000K
Beam Angle(°)	114
Nominal Lifetime (h)	30000
SDCM (McAdam Ellipses) for CCT	1.4
Power Factor	0.88
Switch Cycles	50000
Warm-up Time 60% Φ (X.X S)	0.5
Warm-up Time 95% Φ (X.X S)	0.6
6) LED lamp requiring external power supply	No
Lamp Cap	GR10q
LM at 6000h	0.85
LM at Nominal Lifetime	0.75
Mercury (X.X mg)	0
Prem Fail Rate at 1000h (%)	1
Rated Peak Candela (cd)	620
Rated Luminous Flux (Φ)	1800
Start Time (X.X S)	0.39

Light Source Specification

CRI	83
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Technical Drawings

Fitting Conversion

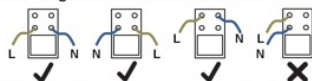
The existing fitting must be switched off and isolated at the mains before commencing electrical work. It is the responsibility of the converter to ensure the fitting continues to meet safety requirements. If in doubt consult a qualified electrician. For maximum energy savings, bypass all control gear and wire from the mains to the lampholder as for an electronic high frequency ballast conversion.

Magnetic Ballast (Choke):

- Remove the starter and any power factor capacitor. The capacitor may be left in place but the energy savings will be less.
- Plug the LED DD lamp directly into the lamp holder.

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 below.
- The Live and Neutral must be wired to opposite terminals on the lampholder and not be wired to terminals on the same side.
- A 1A fuse may be added between the Live supply and the lampholder to prevent the circuit from cutting-out in the event of a fault in a single luminaire.



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.

Optional Emergency Module

An optional emergency module for the LED DD lamp can be installed within the fitting to provide a back-up supply in the event of a power cut. The emergency module requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut the battery within the emergency module will supply the LED DD lamp at a reduced voltage through the supplementary socket provided for this purpose. The supplementary socket also connects the emergency module to the green charging indicator on the LED DD lamp.

