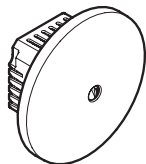# Lauritz Knudsen **LK**

by **Schneider** Electric

LK IHC® Wireless Dimmer Lamp Outlet 250 W UNI Ø80

505DA102

A: 5=Light grey, 6=white

For your safety

⚠ **DANGER**

Risk of serious damage to property and personal injury, e.g. from fire or electric shock, due to incorrect electrical installation.

Safe electrical installation can only be ensured if the person in question can prove basic knowledge in the following areas:
- *Connecting to electrical installations*
- *Connecting several electrical devices*
- *Laying electric cables*

These skills and experience are normally only possessed by skilled professionals who are trained in the field of electrical installation technology.

If these minimum requirements are not met or are disregarded in any way, you will be solely liable for any damage to property or personal injury.

⚠ **DANGER**

Risk of death from electric shock.

The outputs may carry an electrical current even when the device is switched off. Always disconnect the fuse in the incoming circuit from the supply before working on connected loads.

⚠ **CAUTION**

The dimmer may be damaged!
- *Always operate the dimmer according to the technical data provided.*
- *The dimmer is designed for sinusoidal mains voltages.*

Application

IHC Wireless lamp outlet is used for installing in ceiling boxes (but not PL 35/16 mm) where a dimmer outlet is wanted, that can be controlled remotely. The unit can be used together with IHC Control or be part of an IHC Wireless "stand-alone" system.
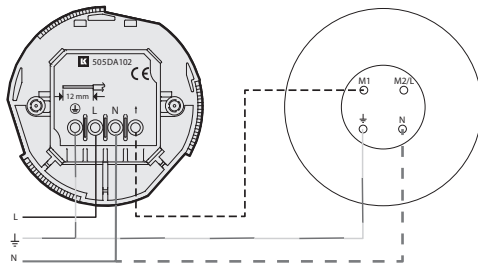
It is a particular advantage to use the lamp outlet where you want to control a number of lamp outlets individually even though they are connected in parallel.

This model can dim filament lamps, 230 V halogen lamps, and 12 V halogen lamps supplied by either iron-core (dimmable) or electronic transformer (though not simultaneously). The dimmer can also be used with LED light sources, if they are suitable for use with this dimmer.
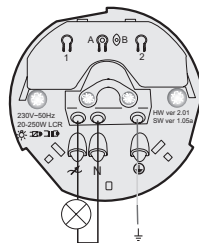
Design

IHC Wireless lamp outlet must be connected to phase, neutral and earth.

Connections, rear

Connections, front

Note that the lamp outlet can be connected both from the front and from rear side, so that it can control a number of passive lamp outlets as 'slaves' (shown with dotted lines).

In the event of a power outage, the lamp outlet remembers its status and programming. It returns to the same status when the voltage is connected again. The light dimmer has electronic protection against short circuiting and overload. When the error has been removed and the light dimmer has cooled off, it will work again.

Programming

To access the programming buttons and LED, the cover must be removed. The lamp outlet must be connected to voltage in order to be programmed,

but does not have to be connected to load. The procedure for programming the lamp outlet is the same as for other IHC Wireless receivers and is explained in the common guide for IHC Wireless. If the lamp outlet is to be used with IHC Control, the lamp outlet is inserted as a component in IHC Visual and linked. The dimmer's operating parameters can be set by means of IHC Visual. For details, refer to the IHC Control manual.

Operating parameters:
- ramp times
- min./max. setting
- operating mode (auto/leading edge/trailing edge)

Note: Changed operating parameters are maintained in case of deletion of programming or reprogramming to stand-alone system.

Note: These guidelines apply to lamp outlets marked with HW ver. 2.00 (or later) under the front cover.

Version

Dimmer and LED guide
Our guide on the internet can be used to easily find LED light sources that can be used. The address is: lk.dk/dimmertool

Lauritz Knudsen

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Technical data

Nominal voltage	230 V AC / 50 Hz
Power consumption	Max. 4 W (at full load)
Standby	0.3 W (without connected load) 0.8 W (with connected load)
Min. load	None
Nominal power	250 W
Loads Filament lamps LED	250 W 125 W, max. 10 pcs. See "Dimmer and LED guide" for tested types.
Halogen lamps 230 V 12 V (electronic or FE transformer)	250 W 250 W
Connection	Back cover: Phase, outlet, neutral, earth Under cover: Outlet, neutral, earth
Transmission frequency	868 MHz
Terminals	Screw terminals, max. 4 x 1.5 mm^2 (both back and under cover)
Operating temperature	-5 to +30 °C (for derating, see online catalogue)
Humidity	20 - 95% RH, non-condensing
Fuse rating	Max. 13 A
Protection rating	IP20
Module size	Ø 80 mm
Max. hanging weight	5 kg. (Remember to check what the cable that is used can bear. See under rosette material in the LK catalogue).
Directives/ Standards	See online catalogue