



PRODUCT DATA

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## Wireless luminaire monitoring **Wireless Professional**



Next Generation luminaire monitoring and control

# Next Generation luminaire monitoring and control

With the new Wireless Professional the control and monitoring of self-contained emergency and security lighting is a snap! To install the lights the only thing necessary is a connection to a normal power supply with 230V AC. The subsequent installation of the wireless system for monitoring and controlling the luminaires is taking care of itself.

Each luminaire equipped with wireless professional may connect to other luminaires or the central unit on the European approved frequency of 868 MHz and report its own and the status of others through the system registered luminaires. The indoor range sums up to at least 30m. Thanks to the radio frequency of 868 MHz even a reinforced concrete ceiling between floors is no insurmountable barrier.

The wireless system can include 250 devices (sum of all luminaires, repeater and I/O boxes connected to the system) per central unit as standard and is expandable up to 1,000. Furthermore 5 timerfunctions and a networked system are possible by standard. The extent of functions can be expanded afterwards with a code within the software.

The radio system is organizing itself ad-hoc. Each Wireless Professional luminaire automatically contacts all reachable nodes: other luminaires, repeaters or the central control unit itself. By networking of several central units the 1,000 luminaire limit can be exceeded.

The software for the central unit is available in several languages, allows the storage of building maps and can be installed on an existing Windows system. The registered luminaires can be placed on the digital floor map and appear with their current status.

Many of the available Wireless Professional luminaires can be switched by radio. A timetable stored in the central unit makes it possible to put the emergency lights in an unused building at the weekend in standby mode. Thus, the Wireless Professional saves energy and even the security is guaranteed at all times.

Wireless Professional lights are very inconspicuous. Even in stainless steel or aluminum cases the radio technology works without any visible antennas.



## The WirelessControl central unit: Acer Spin 1

Operating system	Windows 10 – 64 Bit
Processor	Intel® Pentium N5000 with Intel HD-Graphics (1,6 GHz, 1 MB Cache, 4 Core)
RAM	DDR3L SDRAM mit 4 GB and 1100 MHz (1 x 4 GB)
Storage	128 GB eMMC
Screen	11,6" Touchscreen, 360° swivable
Connection	1x HDMI, 1x USB 3.0, 1x USB 2.0, WLAN 802.11b/g/n and Bluetooth® 5.0

## Wireless Professional - Advantages at a glance

- Easy installation – only 230V AC needed
- Self-organizing ad-hoc wireless system
- Range between luminaires guaranteed 30m inside buildings (even through a concrete ceiling)
- Europe conform frequency of 868 MHz
- Up to 4 times higher range than 2.4 GHz-Systems
- Resistant to DECT, Bluetooth and WLAN signals
- 250 devices per system (expandable in steps of 250 up to 1,000 per system)
- 5 Timerfunctions (expandable in steps of 10)
- 1 networking system (expandable in steps of 5)
- Multi-language easy to use software
- No visible antenna on the luminaires
- Many luminaires can be switched via timetable
- Status and error reports are delivered to the system via E-Mail administrator
- Log for daily/weekly function test stored in the central unit
- Capacity test (also in groups) of the battery for the whole operating time (usually 3h) possible
- Repeater for range extension
- Switching of luminaires between non-maintained and maintained mode by software
- No faulty connection – no BUS-line
- Polarised
- Monitoring system according to EN 62034 Type ER

# Wireless Professional central - available versions

Version	Order number	Scope of delivery
USB-Coordinator (1x needed per system)	WLKOR3	USB-Coordinator incl. Wireless Professional Software for connection to an existing Windows®-System; pre-programmed for up to 250 luminaires
Acer Spin 1	WLTOUCH7	Convertible PC with USB Coordinator and Wireless Professional Software for up to 250 luminaires
System extension	WLCODE-250	Software license for 250 additional luminaires
System extension Timer	WLCODE-T10	Software license for additional 10 Timerfunctions per system
System extension networking	WLCODE-S5	Software license for additional 5 networking systems
Wall housing for Acer Spin 1	WLWGTOUCH7	Lockable wall housing for Acer Spin 1
Repeater	WLREP1	Repeater for range extension in areas with bad reception
Wireless Embedded PC for 250 luminaires	WLCPC1	Wireless Professional Compact PC, DIN rail mounting 5TE Embedded, incl. WL Software, USB-Coordinator + mains supply (WLCPC1 can assign 250 luminaires)
Wireless Embedded PC	WLCPC1.OK	Wireless Professional Compact PC, DIN rail mounting 5TE Embedded, incl. WL Software, mains supply, <b>without USB-Coordinator</b> (WLCPC1 can assign 250 luminaires)



WirelessControl PC  
wall housing WLWGTOUCH



Wireless Embedded PC

## 1) Optional switching extension for not switchable luminaires

Some luminaires by standard equipped with a not switchable electronics can be upgraded with a optional WLSE extension module to become switchable by radio.



## Wireless I/O Box

The IO-box is an interface module of the automatic test and control system for emergency lighting Wireless Professional, whose inputs and outputs signalise states and conditions of and to the test and control system. The IO-box has 3 outputs in form of potential-free changeover contacts, of which contact 1 is used for a system disturbance combined fault indication. The other two contacts can be programmed by means of the Wireless Professional software, in order to signalise various system states.

Furthermore, there are 2 galvanically isolated switch inputs to integrate control and/or sensor signals of e.g. an external test pushbutton or a key switch.



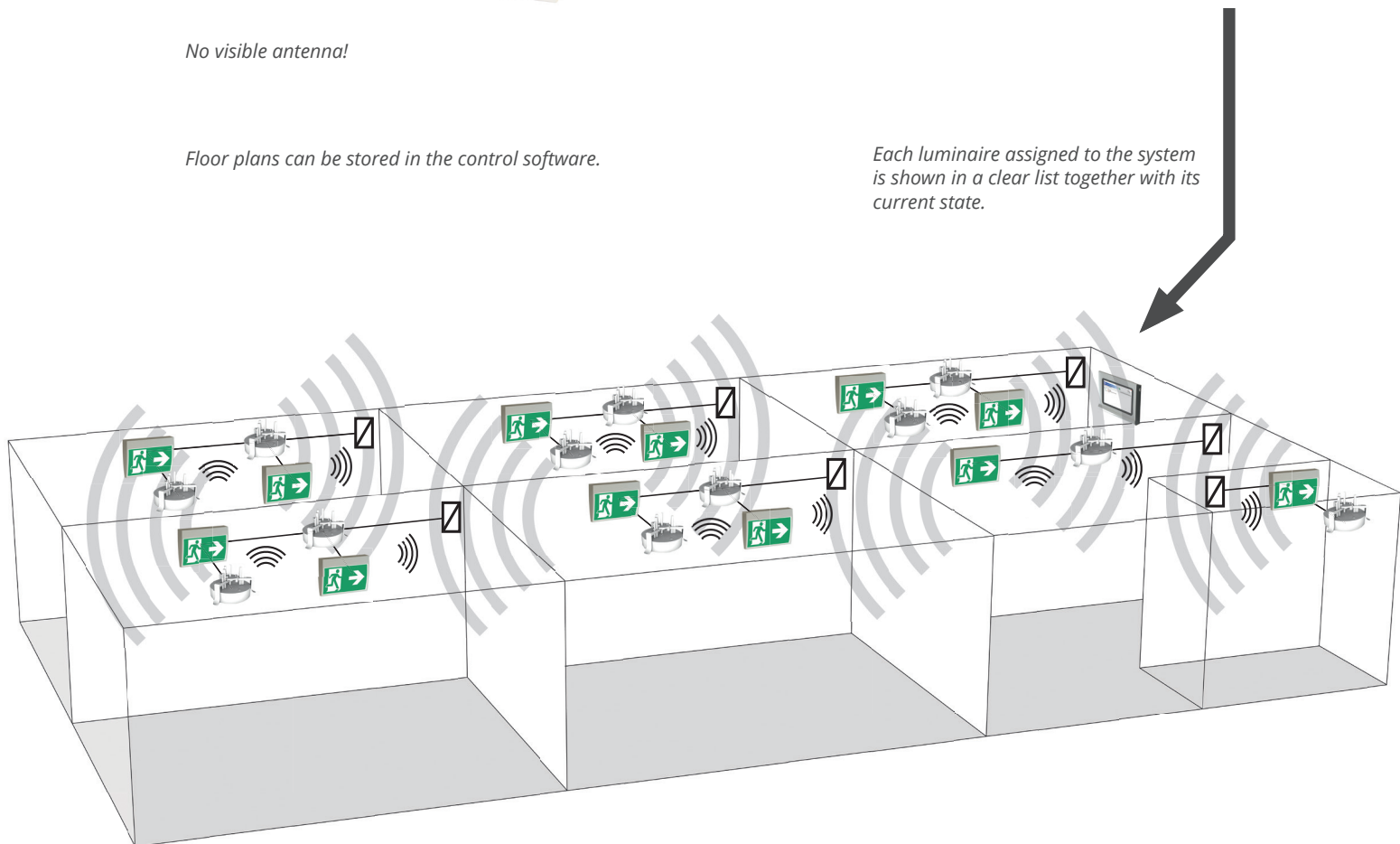


*No visible antenna!*

*Floor plans can be stored in the control software.*



*Each luminaire assigned to the system is shown in a clear list together with its current state.*





## Wireless Professional is available for the following luminaires

Name	Type	Order number	Illuminant	Max. Distance	Mounting	Switchable by radio
DA	Emergency luminaire	DAQG021WL	LED	9m	Ceiling	No
DE	Emergency luminaire	DEQ021WL	LED	9m	Recessed	No
DE	Emergency luminaire	DER021WL	LED	9m	Recessed	Optional <sup>1)</sup>
DL	Emergency luminaire	DL(E/Q)023WL	LED	> 11m	Recessed	Yes
DO	Emergency luminaire	DO(E/S)023WL	LED	> 11m	Clip/Dowel	Yes
IL	Emergency luminaire	IL(D/E)F023WL	LED	24m	Ceiling/Recessed	Yes
IL	Emergency luminaire	IL(D/E)R023/021WL	LED	10m	Ceiling/Recessed	Yes
IL	Emergency luminaire	IL(D/E)F028WL	LED	15m	Ceiling/Recessed	Yes
IL	Emergency luminaire	IL(D/E)S023WL	LED	8m	Ceiling/Recessed	Yes
IL	Emergency luminaire	IL(D/E)S028WL	LED	6m	Ceiling/Recessed	Yes
EE/EA	Emergency luminaire	EExx023/028WL	LED	> 16m	Recessed	Yes
KE	Emergency luminaire	KEU013/018WL	LED	9/8m	Universal	No
KMB	Emergency luminaire	KMB 013/011WL	LED	15m	Ceiling	Yes
KMB	Emergency luminaire	KMB 018WL	LED	10m	Ceiling	Yes
QAW	Emergency luminaire	QAW023WL	LED	- <sup>2)</sup>	Wall / Ceiling	Yes
STK	Emergency luminaire	STK113WL	LED	- <sup>2)</sup>	Wall	Optional <sup>1)</sup>
STS	Emergency luminaire	STS113WL	LED	- <sup>2)</sup>	Wall	Optional <sup>1)</sup>
ZAW	Emergency luminaire	ZAW013WL-(COOL)	LED	- <sup>2)</sup>	Wall	Yes
ZAW	Emergency luminaire	ZAW018WL-(COOL)	LED	- <sup>2)</sup>	Wall	Yes
NVG		N1120 to N3180WL	-	-	Wall	Optional <sup>1)</sup>
AS	Exit sign	ASU001WL	LED	22m	Universal	Yes
ASMU	Exit sign	ASMU 013/018WL	LED	22m	Universal	Yes
KB	Exit sign	KBU013/011WL	LED	30m	Universal	No
KC	Exit sign	KCD/W003WL	LED	30m	Wall / Ceiling	Yes
KC	Exit sign	KCW013WL-(COOL)	LED	30m	Wall	Optional <sup>1)</sup>
KC	Exit sign	KCW018WL-(COOL)	LED	30m	Wall	Optional <sup>1)</sup>
KC	Exit sign	KCD013WL-(COOL)	LED	30m	Ceiling	No
KC	Exit sign	KCD018WL-(COOL)	LED	30m	Ceiling	No
KD	Exit sign	KDU013/018WL	LED	22m	Universal	Optional <sup>1)</sup>
KL	Exit sign	KLU013/018WL	LED	34m	Universal	Optional <sup>1)</sup>
KM	Exit sign	KMU001WL	LED	24m	Universal	Yes
KM	Exit sign	KMU013/018WL	LED	24m	Universal	Yes
KS	Exit sign	KSU001WL	LED	22m	Universal	Yes
KS	Exit sign	KSU/C/013/018WL	LED	22m	Universal	Yes
KX	Exit sign	KXU003WL	LED	30m	Universal	Yes
KW	Exit sign	KW(W/D)003WL	LED	16m	Wall / Ceiling	Yes
KW	Exit sign	KW(W/D)013WL	LED	16m	Wall / Ceiling	Optional <sup>1)</sup>
KW	Exit sign	KW(W/D)018WL	LED	16m	Wall / Ceiling	Optional <sup>1)</sup>
LM	Exit sign	LM(W/D)013WL	LED	22m	Wall / Ceiling	No
LX	Exit sign	LXW013WL	LED	34m	Wall / Ceiling	No
PF	Exit sign	PFW013WL	LED	24m	Wall	Optional <sup>1)</sup>
RM	Exit sign	RMU003WL	LED	22m	Universal	Yes
RX	Exit sign	RXU003WL	LED	30m	Universal	Yes
U6	Exit sign	U6E013WL	LED	22m	Recessed	Optional <sup>1)</sup>
VF*	Exit sign	VF(W/D/E)003WL	LED	22m	Wall / Ceiling / Recessed	Yes
VH*	Exit sign	VH(W/D/E)003WL	LED	30m	Wall / Ceiling / Recessed	Yes
VM*	Exit sign	VM(W/D/C/R)003WL	LED	22m	Wall / Ceiling / Recessed	Yes
VX*	Exit sign	VX(W/D/C/R)003WL	LED	30m	Wall / Ceiling / Recessed	Yes
WG	Exit sign	WGD013WL	LED	46m	Wall / Ceiling	Optional <sup>1)</sup>

\*) Bei Leuchten mit Metallgehäuse kommt es konstruktionsbedingt zu einer Verringerung der Funkreichweite um ca. 20%.  
Microsoft und Windows sind eingetragene Warenzeichen von Microsoft Corporation in den USA und anderen Ländern.

<sup>2)</sup> Depends on mounting method

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