ENGINEERS OF LIGHT

LIGHT YEARS
AHEAD

KIRK/CHEKOV



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BRING YOUR OFFICE UP TO LIGHT SPEED WITH THE KIRK CEILING SENSOR:



WHAT KIRK CAN DO:

- All-in-one device with full-spectrum functionality
- Features LED indicators that display all relevant ambient parameters in the office
- Forms part of the LTX system as an all-in solution including software and service

OFFICE SPACE. THE FINAL FRONTIER.

As a leader in the lighting market, Waldmann offers solutions that let you boldly go where no floor-space manager has gone before. Take, for instance, the smart building digital solution that covers all office areas. KIRK captures data on how office space is actually used, including noise levels and air quality. It's never been easier to make well-founded decisions on improving workplace design.

LTX

LTX is our ground-breaking sensor-controlled technology designed for tomorrow's workplace model. Real-time sensor monitoring reveals how offices are actually used and lets you implement workplace booking systems to full effect. Thanks to KIRK and LTX software, which also integrates with Outlook and Google Calendar, booking rooms and office space just got a whole lot simpler.

People are the priority. KIRK gives you absolute transparency on their current environment and needs. Are noise levels acceptable? Is the temperature OK? How good is the air quality? If anything is not quite right, managers can take direct action. Installation is simple as the ceiling sensor can be wired into standard junction boxes. Retrofitting is just as easy: Simply remove the old sensor and install KIRK.

KIRK: SCOPE OF FUNCTIONS

- LEDs indicate ambient parameters in the office, including occupancy, temperature, noise level and air quality

- Sensors
  - a) PIR sensor detects movement within an area of about 16 m2
  - b) Noise level sensor
  - c) Light level sensor
  - d) Air quality sensor (VOC)
  - e) Temperature sensor
  - f) Humidity sensor
- Light management
  - a) DALI output with integrated power supply for 10 DALI devices
  - b) Up to 64 DALI devices with optional external DALI power supply Connectivity
- Connectivity
  - a) Optional connection to Bluetooth (e.g.: easyfit, battery-free)
  - b) Integration into the LTX meshnet, with connection to a gateway to send data to the cloud for analysis

Handling light management / VTL (biodynamic light):
The sensor is suitable for any office environment where the aim is to control luminaires through daylight and presence sensors. When it comes to lighting management, the LTX ceiling sensor is designed specifically for decentralised control, i.e. the sensor independently operates luminaires connected via DALI. It is neither necessary to integrate it into an overarching lighting management system nor to set the VTL function (biodynamic light) because the sensors come pre-programmed.

Updating digital buildings:
With KIRK, workspace and project managers get the benefit of cutting-edge Waldmann technology. The sensor lends itself, above all, to office environments that can be monitored and booked: This is why it is integrated into the LTX system. When paired with the floor lamps, the result is an end-to-end system in which data is captured and evaluated in the cloud.

Providing data for facilities engineering:
When integrated into the LTX system architecture, the sensor can transfer data to other systems. To this end, customers have a choice of various LTX system interfaces. A direct interface via EnOcean is in the pipeline.

BRING EVERY WORKSTATION UP TO LIGHT SPEED WITH THE CHEKOV DESK SENSOR:

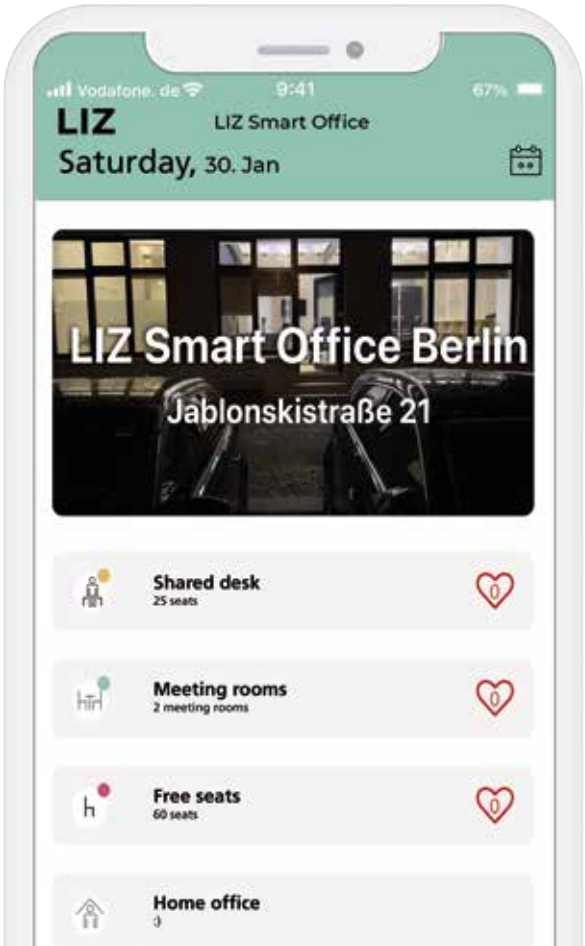


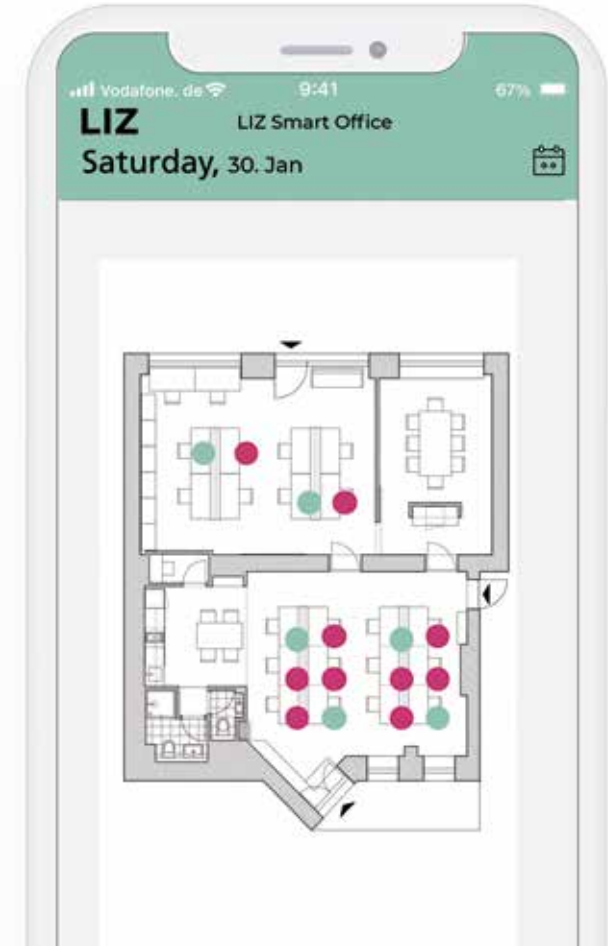
WHAT KIRK DOES UP ON THE CEILING, CHEKOV CAN DO BELOW THE DESK.



Highly accurate human presence detection, Plug&Play technology, user-centric design with LED status indicators and minimal maintenance thanks to battery-free operation – it all adds up to the perfect partner for forward-thinking floor-space managers.

Used in conjunction with our LTX Finder booking system, the desk sensor offers unique benefits for far-sighted enterprises.





BRING THE COMPANY UP TO LIGHT SPEED WITH KIRK, CHEKOV AND LTX:



TECHNICAL SPECIFICATIONS

KIRK	
Mains voltage	220–240 V, 50/60 Hz
Dimensions	Diameter: 140 mm
Height of sensor (when recessed in ceiling):	26 mm
Height of sensor (when mounted on ceiling, incl. ceiling mount adapter)	56 mm
Installed height	2.50–3.50 m
PIR sensor (motion) detection area	Approx. 4.00 x 4.00 m when installed at a height of 3.00 m
Weight	Approx. 200 g
DALI connection	1 x DALI bus for max. 10 DALI devices with internal power supply Alternatively: 1 x DALI bus for max. 64 DALI devices with additional external power supply.
DALI standard	DALI (1)
DALI device type for colour control	DT6 or DT8 (switchable if appropriately configured)
Ambient temperature during operation	0°C to + 40°C Before installation, the product must be acclimatised to the permissible operating conditions.
Protection rating	IP20
Protection class	SK II
Radio operating frequency	Bluetooth 2.4 GHz
Colour	White
Ceiling sensor product code	114420000-00808622
Accessories: Ceiling-mount adapter product code	338299010-00808621

We help create the best working conditions for your employees. How? By finally getting existing space digitalised for greater efficiency. The sensors form part of our comprehensive setup for the LTX system. When it comes to data transfer, we rely on industry standards and offer interfaces to other systems. Digital services are provided by LIZ, our Berlin-based company founded especially for this purpose.

LTX

The LTX solution is a reliable system that also comes prepared for what the future has in store. New requirements, such as pandemic features, are added by way of software updates, making it a secure investment.

We put your success within easy reach. First, by displaying the data captured in a transparent and configurable way for instant customer benefits. Second, by ensuring that data is collected in a secure and anonymous manner. Waldmann delivers an all-in solution whose fuss-free installation is matched only by its ease of use. Now, you can digitalise your ENTIRE office space and benefit from usage transparency, convenient bookings AND the ideal working environment for your employees.



TECHNICAL SPECIFICATIONS

CHEKOV	
Mains voltage	5 VDC +/- 10% (USB connection)
Dimensions (L x W x H)	137.3 x 108.0 x 23.1 mm
Weight	111 g
Ambient temperature during operation	+5°C to +40°C at max. 68% relative humidity (non-condensing) at altitudes of up to 2,000 m Before installation, the product must be acclimatised to the permissible operating conditions.
Protection rating	IP20
Protection class	SK III
Radio operating frequency	Bluetooth, Wi-Fi, 2.4 GHz
Colour	White
Desk sensor product code	338350010-00808548

#blackforestlight

Waldmann

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THE LIGHT OF THE FUTURE.

Wherever you are and whatever you produce, Waldmann has been helping people meet cost targets, standardise their purchased parts and eliminate quality issues since 1928. Simplified component integration at electrical, systems engineering and mechanical level is a top priority for you? You set great store by component quality and robustness? And your staff insist on optimum visibility that lets them work to a genuinely zero-defect, safe and ergonomic standard? From Swabia in Germany, Waldmann brings you a one-stop solution – for a planet where the light never goes out.

FIGHTING DARKNESS

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