

Умные датчики для умного офиса KIRK, СНЕКОВ, LTX

Технические характеристики

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Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(727)345-47-04

Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: wne@nt-rt.ru || сайт: <https://waldmann.nt-rt.ru/>

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 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:

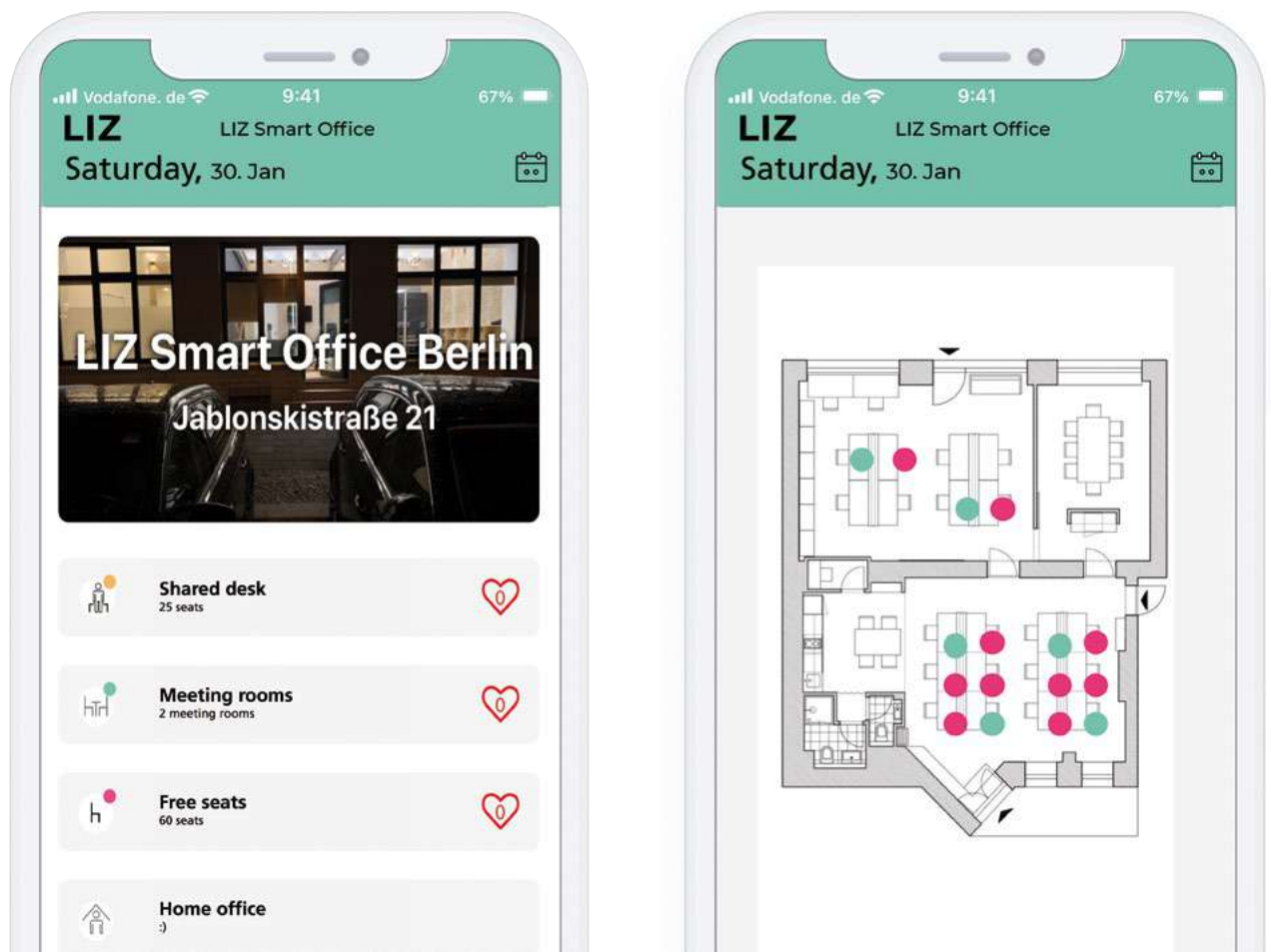


WHAT KIRK DOES UP ON THE CEILING, CHEKOV CAN DO BELOW THE DESK.



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: Adapter for surface-mounting 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.



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)
Power consumption	ca. 0,5 W
Dimensions (L x W x H)	137 x 108 x 23 mm
Weight	approx. 108 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.
Maximum room temperature for motion detection (PIR)	+ 28 °C
Protection rating	IP20
Protection class	SK III
Radio operating frequency	Bluetooth, Wi-Fi, 2.4 GHz NFC, 13,56 MHz (for configuration)
Colour	White
Desk sensor product code	338350010-00811023
Scope of delivery	Desk sensor, USB connection cable - lenght 1,8 m, fastening material for mounting
Accessoires	USB-plug-in power supply, single USB, Colour: black, Product code: 338410010-00810588
	USB-plug-in power supply, double USB, Colour: black, Product code: 338410020-00810589

BRIGHT MINDS WORK MORE EFFICIENTLY

This is Simone. She no longer has a desk to go to every day. She has a choice of 42. Spread over three floors. So which one best suits her needs right now? LTX gives her a heads-up on her smartphone. LTX lets her know which desks are free, reserved or occupied. Which one can be used as a conference table. And where she can work with the fewest distractions. With LTX, Simone always gets her pick of the work spaces. So she can concentrate fully on the job at hand. What a bright idea! Says Simone.



The *where-the-heck-am-I-going-to-sit-today LED*. In shared-desk offices, it directs workers to available desks, which helps them navigate their working days better.

BRIGHT MINDS LOVE A HEALTHIER WORK ENVIRONMENT

Alexander used to get cold feet. All the time. And then there were those headaches that would creep up on him sometimes. Alexander never knew there was an ideal temperature range for offices. Or that stale air, while not harmful, can make your head pound. With LTX, Alexander can now keep an eye on all that. If the office feels stuffy, too cold (or too hot – not that Alex has any idea what that feels like!), the LED on his Waldmann Yara with LTX lights up. Time to get some fresh air and clear your head.



The *boy-is-it-getting-stuffy-in-here* LED. It helps staff nail climate control in the office. Ideal temperatures increase productivity and enhance well-being.

BRIGHT MINDS ARE MORE FOCUSED

Lisa thinks the people around her make too much noise. Everyone else disagrees. But it turns out Lisa was right! Once distracted, a person needs an average of 10–15 minutes to refocus on their original task. LTX measures ambient noise for Lisa, showing her and the office manager when the noise level is too high. That way, the office manager can take measures to ensure a better work environment for everyone. Thanks, LTX! And thank you, Lisa.



The *see-I-told-you-it-was-too-loud* LED. It helps workers regulate noise levels in the office themselves. That prevents breaks in concentration and improves productivity.

BRIGHT MINDS CHOOSE THEIR MOMENT

Marc hates a jam. On the way home. In the printer. In the elevator. In the cafeteria. Especially in the cafeteria. Waiting around wastes too much of his precious time. Which is why Marc checks the LTX sensor data to find out whether the line in the cafeteria is too long and whether it's worth heading to the elevator right away – and in the future, it will show him whether the traffic on the freeway is flowing. With LTX, Marc can make the most of his working hours. And his breaks, too. Marc loves LTX.



Clients can freely program the *I-only-check-what-matters-to-me* LED. He can time his lunch break and quitting time perfectly with the API interfaces.

BRIGHT PLANNERS HAVE LTX



The LTX cloud-based services

- Report tailored for facility management
- Report tailored for HR
- Intuitive app for reserving work stations
- Easy to use and roll out thanks to a simple dashboard
- Want more details? Consultation and an in-depth analysis of your data are already included in the offer.

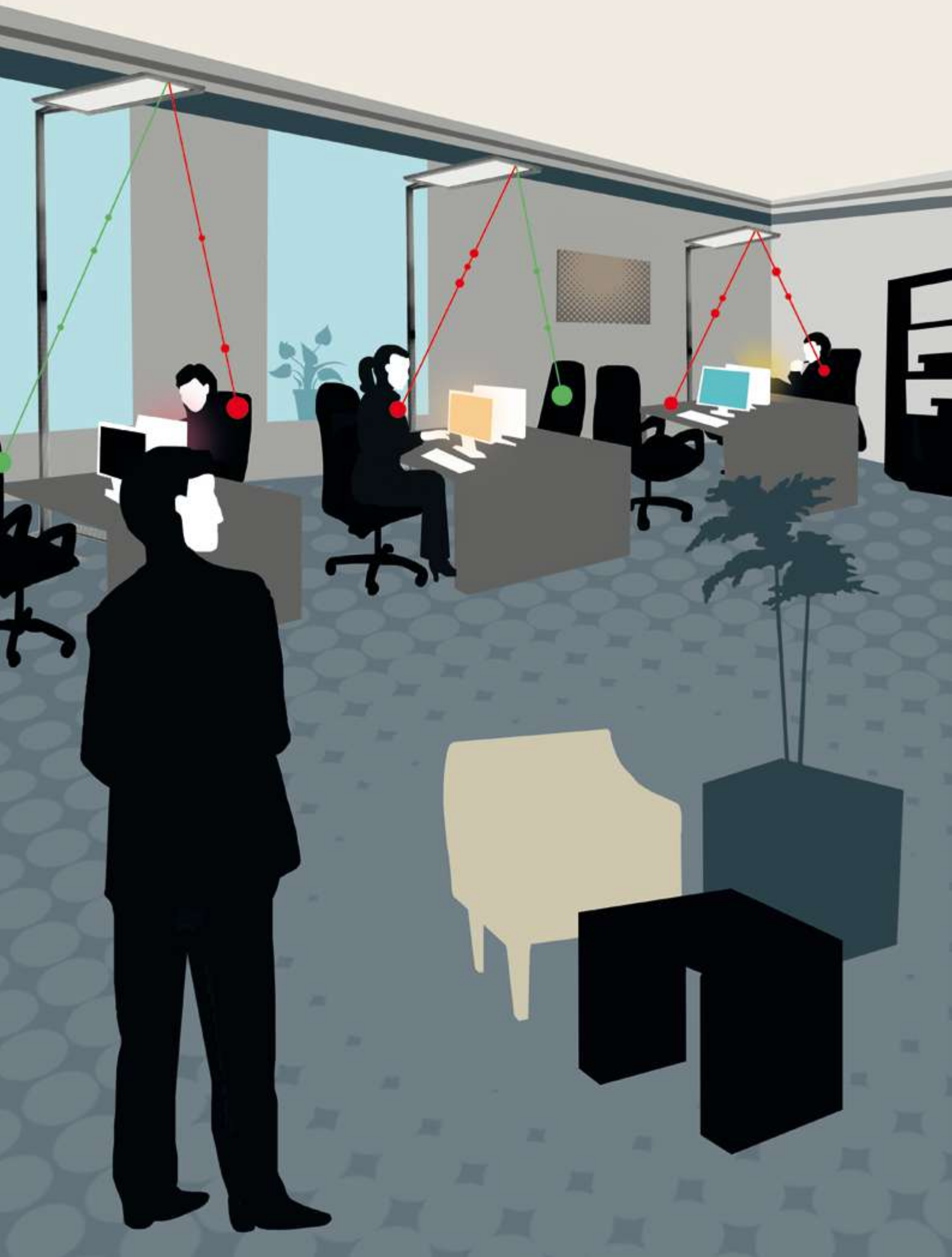


It's not just employees who love state-of-the-art lighting from Waldmann. The solution addresses all office cost pools by optimizing energy costs. While reducing facility costs. Plus, the work environment improves across the board. Which is good news for HR managers and the entire HR department. And it will have facility management beaming. Our LTX sensor modules are being premiered in our floor lamps because they allow for the greatest flexibility when positioned in workplaces. In the future, they will also be compatible with our popular pendant lamps thanks to a standardized sensor slot. That gives you the perfect tool kit to optimize any office. And rest assured, security is our top priority. We leave no stone unturned in ensuring that data is protected at all points in the system, i.e. to prevent unauthorized individuals from gaining access to the lamps, gateway or cloud thanks to the latest security measures.



What LTX delivers

- Precise occupancy reading displayed for each work station
- Sensitive noise level reading displayed for each lamp
- Accurate air quality reading displayed for each lamp
- Objective temperature reading displayed for each lamp
- Visualization of external data, such as waiting time in the cafeteria

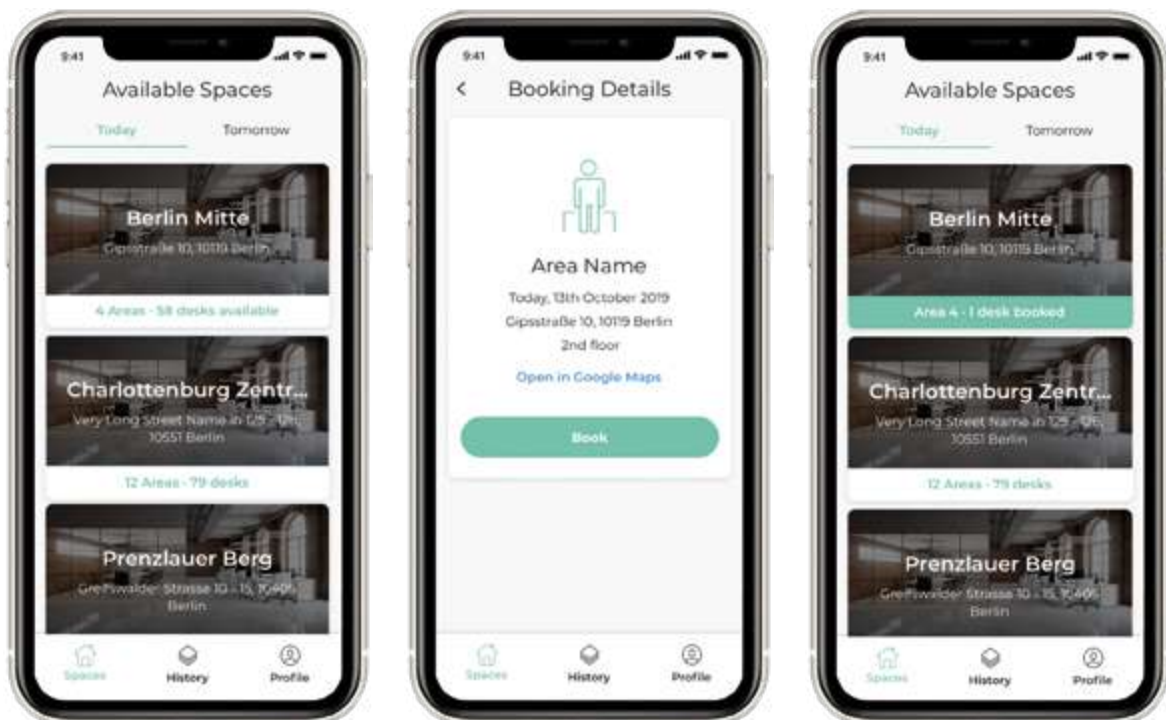


WHEN YOU HAVE LTX, YOU HAVE MORE EFFICIENT OFFICES

An empty work station is a waste of space. But too many employees crammed together is also not ideal. So what's the solution? Floor lamps with integrated sensors to determine office capacity are a great start. Since a single Waldmann floor lamp is able to illuminate a shared work station, the YARA lamp head with LTX technology features two sensors. Data on work station usage is supplied to the LTX Admin for evaluation. Facility managers can have the system notify them when threshold values are not met or exceeded. So you're assured of receiving all the relevant information necessary to optimize office use in real time. Pretty efficient, right?

With the LTX Finder, a great work station is always at your fingertips

Staff in shared-desk offices use the LTX Finder app to quickly locate and reserve a desk. At the same time, facility management can keep an eye on occupancy levels and make specific interventions where necessary. Thanks to digitalization specialist and Waldmann subsidiary LIZ Smart Office in Berlin, all this transparency and support comes built in.



Benefits of the LTX Finder

- Increase work station occupancy rates
- Make better use of existing space
- Easily reserve work stations, meeting rooms and telephone booths as needed
- Less day-to-day hassles in navigating office life translate into more satisfied employees

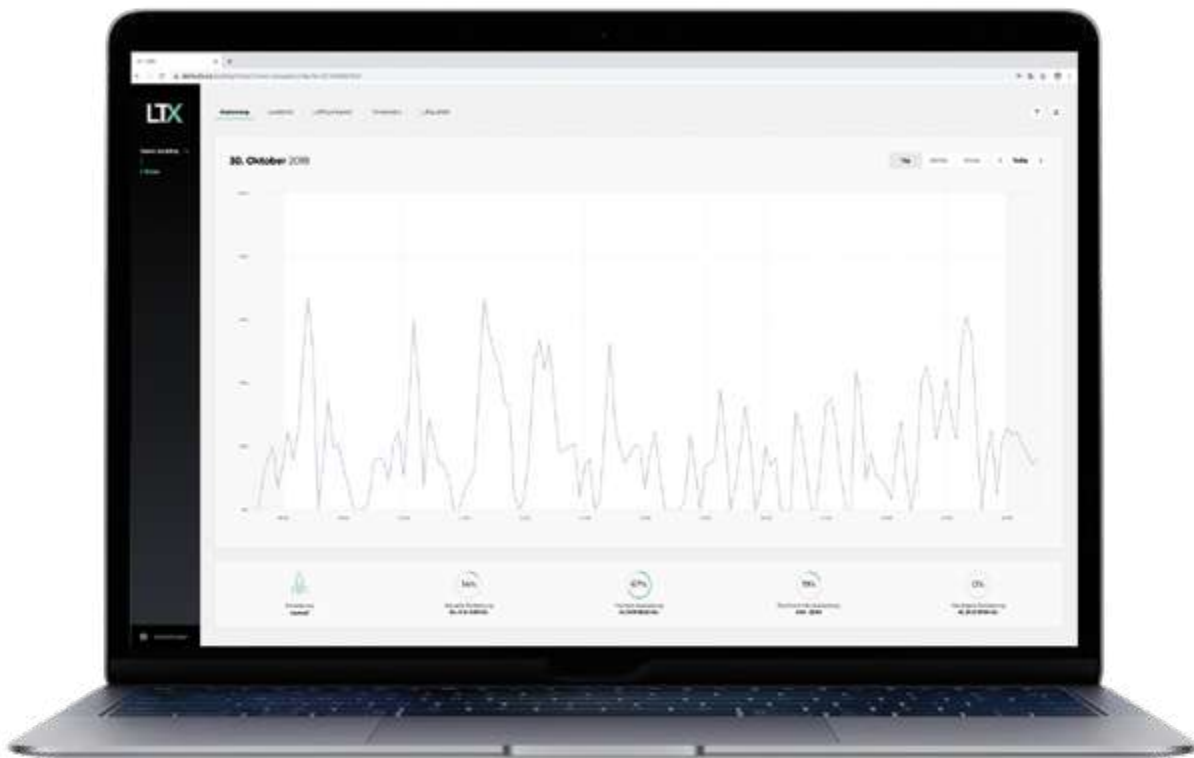


WHEN YOU HAVE LTX, YOU HAVE A PERFECT WORK ENVIRONMENT

Light, good-quality air and ideal temperatures for everyone. No sooner said than done – thanks to the ingenious LTX sensors. LTX's sensors gather all the data that's relevant to staff. LTX's sensors even offer suggestions. So each employee directly receives supportive feedback right at their work space, telling them whether it's too noisy, the temperature is right and the air quality is as good as it should be. That can really improve the quality of the time spent at work – especially in tightly packed, dynamic office spaces. Are there any areas that get too noisy on a regular basis? Do they need to be redesigned? Could individual work spaces be converted into meeting zones? LTX data provides the best framework for thoroughly understanding how your office space is being used and where changes are necessary and sensible. That's the best way for you to work, too!

LTX Admin: If you have it, you always have everything under control

The ingenious LTX dashboard gives floor managers and HR specialists up-to-the-minute reports on their work areas.



Benefits of LTX Admin

- Improve the quality of the time spent in all office areas on a lasting basis
- Thoroughly optimize the office environment through cloud-based data management
- Get clear overviews that prevent data overload
- Keep everything under control at all times to empower employees and provide tailored support
- Enjoy LTX's intelligent support in evaluating data
- Get professional cloud integration from Waldmann's subsidiary LIZ

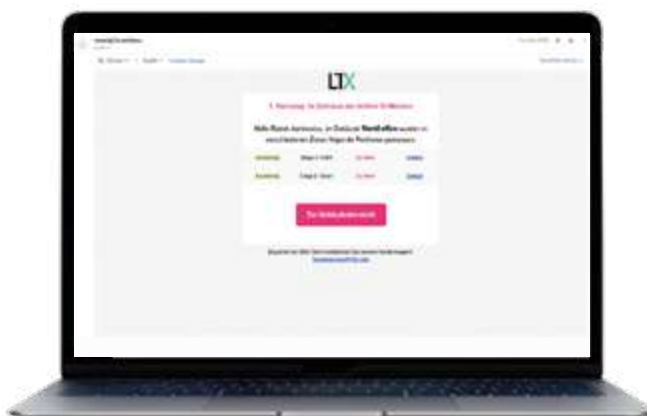


WHEN YOU HAVE LTX, YOU HAVE A BETTER HANDLE ON YOUR OFFICE

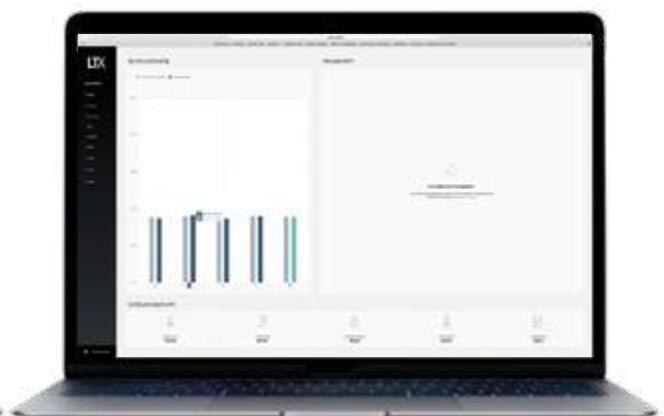
How do you stay competitive on the market and in the war for talent? By taking your office digital, of course. There's an expensive way to do that – by building a new office or converting the old one. Or you can do it the fast, inexpensive way – with LTX. If you want to understand all your work spaces better, you don't have to rebuild them to accommodate digital infrastructure. And no one needs invasive procedures performed on buildings. What you need are smart sensors – the ones we are now installing in the most popular office lamps on the market. That's killing two headaches with one lamp. Floor lamps are the ideal place for sensors: they can be placed anywhere flexibly, cover several work spaces and communicate with one another. No major installations to get them up and running; instead, just a simple switch to an intelligent office system. When the lamps are in place, they give you personalized reports about everything that's happening in your office. No information overload, no guesswork – just clearly presented data with straightforward actionable recommendations. Clear enough?

LTX Admin Message and LTX Admin Cockpit: If you have them, you're simply savvier

Use the daily overview to see what's happening in your work areas at any given time, and the cockpit view to take a deeper dive into your office world.



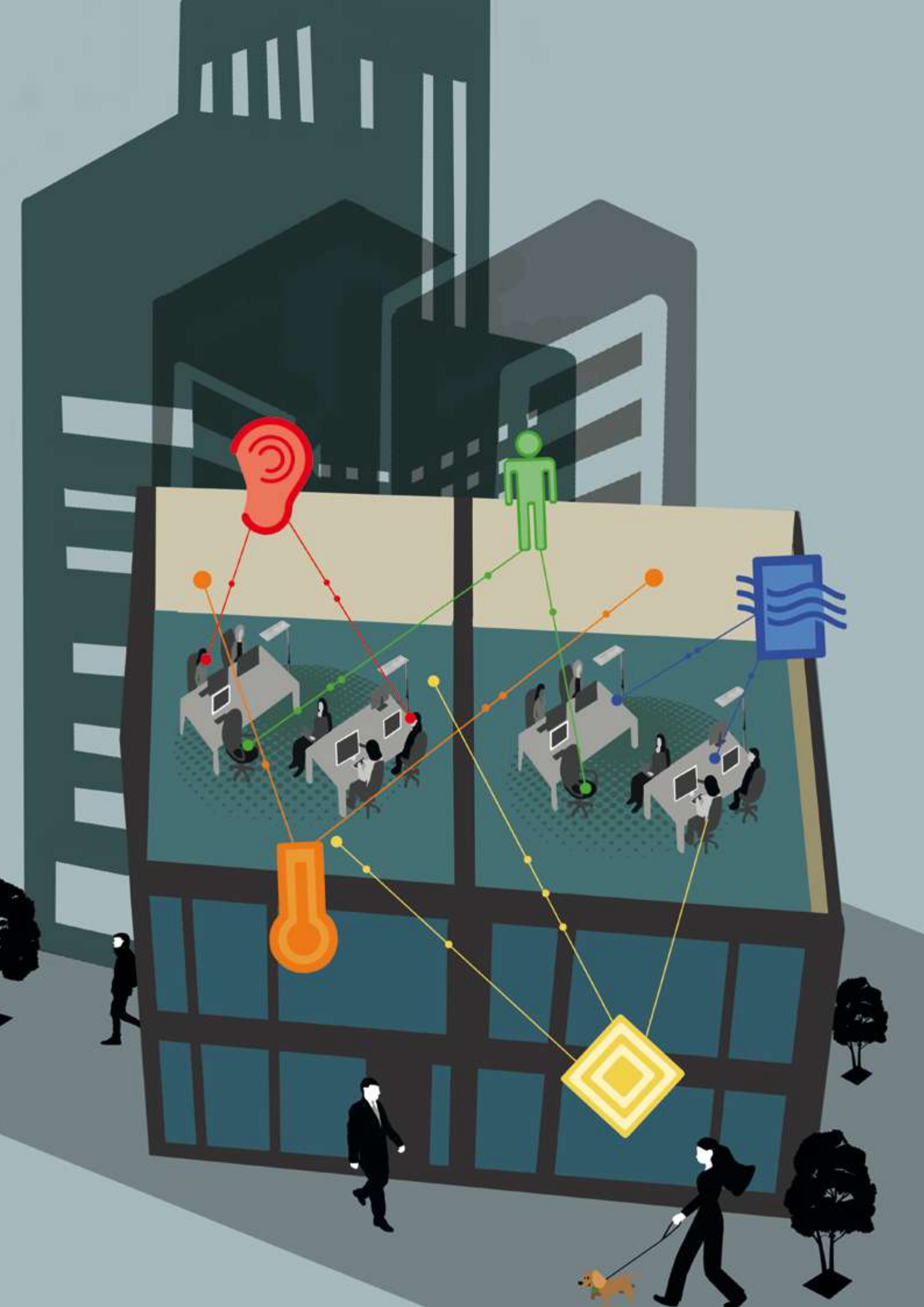
LTX Admin Message



LTX Admin Cockpit

LTX Admin Message and Cockpit

- Configure threshold values; if they're exceeded, the system actively messages you
- Weekly reports show you the key data at a glance



WHEN YOU HAVE LTX, YOU HAVE FREEDOM

Who wants to be tied up long-term nowadays? Being flexible opens up so many opportunities! With Waldmann's LTX, you can even free your staff from being tied to their assigned desks. Know what we think? That should be possible on the tech side of the system, too. So LTX offers an open system. In other words, LTX even communicates with other vendors' devices and services. All the data gathered can be evaluated independently, and the lamps can even communicate with other devices in their immediate surroundings via Bluetooth. Plus, we also provide a cloud-API interface for transferring the data from the lamps to your specific systems, such as building management systems. Who says tech doesn't set you free?

LTX Admin LTX Finder

LTX Admin and LTX Finder are products of LIZ Smart Office GmbH.

Established in Berlin in 2019, the Waldmann start-up LIZ revolutionizes office life with a sophisticated mix of smart hardware and a data-based software solution. Its product portfolio includes not only the digital tools LTX Admin and LTX Finder but also workspace consulting. www.liz.solutions



Benefits of the LTX interfaces

- Bluetooth API for data exchange with local devices
- Bluetooth API for external users to operate the lamps
- Cloud API to connect with other systems and deliver data

BRIGHT MINDS LET THE LIGHT WORK FOR THEM

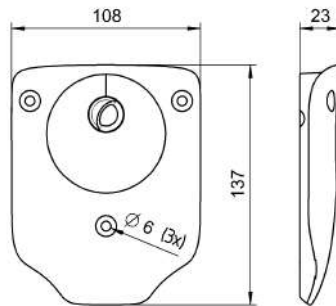
When you have LTX, you know
you have a good deal:

Even marginal increases in employee productivity
pay for themselves quickly.

Much improved utilization of office space
when applied to desk-sharing systems.

That's the kind of digital benefit every
employee wants.

Desk Sensor CHEKOV
CHT BW
338350010-00811023



Connected load

DC

Power consumption

ca. 0,5 W

System of protection/Class

IP 20; III

Housing

White

Minimum ambient temperature

5 °C

Maximum ambient temperature

40 °C

Mounting type

Mounting under table

EAN

4013330135515

Weight without/incl. packaging

ca. 0,1 kg; 0,2 kg

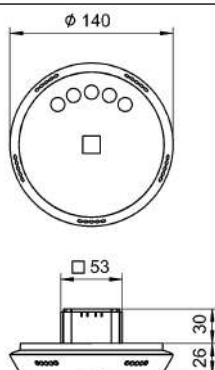
Packaging dimensions

ca. 160 mm; 120 mm; 50 mm

Special features

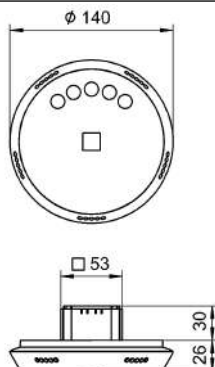
Retrofittable; LED status display; Chekov Desk sensor for mounting under the table Status LEDs to display the status of the workplace: free, occupied, blocOccupancy measurement via PIR sensor WiFi connection for data connection (MQTT) into the LIZ cloud or Bluetooth connection for data connection (MQTT) to the LIZ cloud Including USB connection cable and fastening material Mains voltage: 5 VDC +/- 10% (USB connection) Dimensions (L x W x H): 137 x 108 x 23 mm Protection rating IP20 Protection class SK III Radio operating frequency WiFi, Bluetooth 2.4 GHz NFC, 13.56 MHz for configuration Colour white; Integrated light and presence sensor PIR

Ceiling sensor KIRK
KIRK BR/840/PSP AN/BT/EB
114420000-00809948



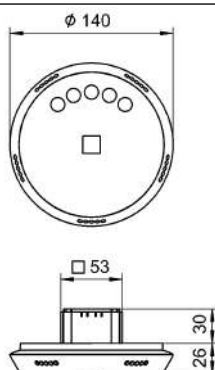
Connected load	220 - 240 V; AC; 50 Hz; 60 Hz
Power consumption	ca. 3 W
System of protection/Class	IP 20; II
Technology	DALI
Operation	Wireless switch
Housing	Plastic; Untreated; Signal white
Mains lead	Connector
Fastening	Ceiling mounted
Accessory	Surface-mounted housing
Minimum ambient temperature	0 °C
Maximum ambient temperature	40 °C
Mounting height	2,5-3,5m
Wireless connection	Bluetooth
DALI control	BR Broadcast
DALI power supply	Voltage supply on
Mounting type	Integrated version
EAN	4013330114169
Weight without/incl. packaging	ca. 0,2 kg; 0,3 kg
Packaging dimensions	ca. 143 mm; 100 mm; 160 mm
Special features	Connection of external DALI luminaires; VTL control with DT6 or DT8; App control; Optional LTX Cloud connection; PIR movement and daylight sensor; LTX multisensor for workplace optimisation

Ceiling sensor KIRK
KIRK BR/840/PSP AUS/BT/EB
114420000-00809947



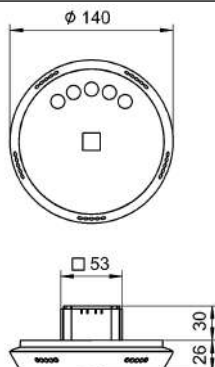
Connected load	220 - 240 V; AC; 50 Hz; 60 Hz
Power consumption	ca. 3 W
System of protection/Class	IP 20; II
Technology	DALI
Operation	Wireless switch
Housing	Plastic; Untreated; Signal white
Mains lead	Connector
Fastening	Ceiling mounted
Accessory	Surface-mounted housing
Minimum ambient temperature	0 °C
Maximum ambient temperature	40 °C
Mounting height	2,5-3,5m
Wireless connection	Bluetooth
DALI control	BR Broadcast
DALI power supply	Voltage supply off
Mounting type	Integrated version
EAN	4013330114077
Weight without/incl. packaging	ca. 0,2 kg; 0,3 kg
Packaging dimensions	ca. 143 mm; 100 mm; 160 mm
Special features	Connection of external DALI luminaires; VTL control with DT6 or DT8; App control; Optional LTX Cloud connection; PIR movement and daylight sensor; LTX multisensor for workplace optimisation

Ceiling sensor KIRK
KIRK DT6/840/PSP AN/BT/EB
114420000-00810505



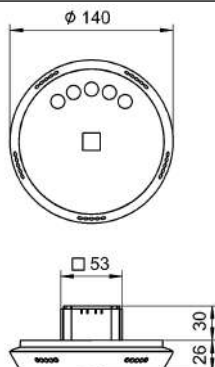
Connected load	220 - 240 V; AC; 50 Hz; 60 Hz
Power consumption	ca. 3 W
System of protection/Class	IP 20; II
Technology	DALI
Operation	Wireless switch
Housing	Plastic; Untreated; Signal white
Mains lead	Connector
Fastening	Ceiling mounted
Accessory	Surface-mounted housing
Minimum ambient temperature	0 °C
Maximum ambient temperature	40 °C
Mounting height	2,5-3m
Wireless connection	Bluetooth
DALI control	DT6 Color control DT6
DALI power supply	Voltage supply on
Mounting type	Integrated version
EAN	4013330119195
Weight without/incl. packaging	ca. 0,2 kg; 0,3 kg
Packaging dimensions	ca. 143 mm; 100 mm; 160 mm
Special features	Connection of external DALI luminaires; VTL control with DT6 or DT8; App control; Optional LTX Cloud connection; PIR movement and daylight sensor; LTX multisensor for workplace optimisation

Ceiling sensor KIRK
KIRK DT6/840/PSPAUS/BT/EB
114420000-00810904



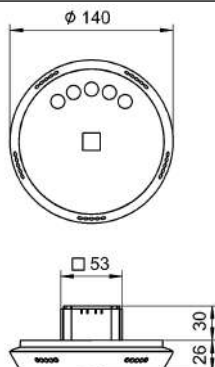
Connected load	220 - 240 V; AC; 50 Hz; 60 Hz
Power consumption	ca. 3 W
Light type/-color	dynamic white; Warm white; Daylight
System of protection/Class	IP 20; II
Technology	DALI
Operation	Wireless switch
Housing	Plastic; Untreated; Signal white
Mains lead	Connector
Fastening	Ceiling mounted
Accessory	Surface-mounted housing
Minimum ambient temperature	0 °C
Maximum ambient temperature	40 °C
Mounting height	2,5-3m
Wireless connection	Bluetooth
DALI control	DT6 Color control DT6
DALI power supply	Voltage supply off
Mounting type	Integrated version
EAN	4013330128647
Weight without/incl. packaging	ca. 0,2 kg; 0,3 kg
Packaging dimensions	ca. 143 mm; 100 mm; 160 mm
Special features	Connection of external DALI luminaires; VTL control with DT6 or DT8; App control; Optional LTX Cloud connection; PIR movement and daylight sensor; LTX multisensor for workplace optimisation

Ceiling sensor KIRK
KIRK DT6/840/PSP AUS/BT/EB
114420000-00810902



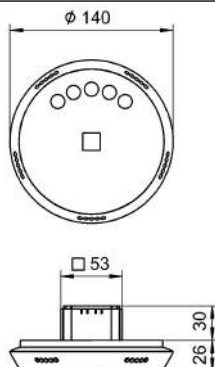
Connected load	220 - 240 V; AC; 50 Hz; 60 Hz
Power consumption	ca. 3 W
System of protection/Class	IP 20; II
Technology	DALI
Operation	Wireless switch
Housing	Plastic; Untreated; Signal white
Mains lead	Connector
Fastening	Ceiling mounted
Accessory	Surface-mounted housing
Minimum ambient temperature	0 °C
Maximum ambient temperature	40 °C
Mounting height	2,5-3m
Wireless connection	Bluetooth
DALI control	DT6 Color control DT6
DALI power supply	Voltage supply off
Mounting type	Integrated version
EAN	4013330128487
Weight without/incl. packaging	ca. 0,2 kg; 0,3 kg
Packaging dimensions	ca. 143 mm; 100 mm; 160 mm
Special features	Connection of external DALI luminaires; VTL control with DT6 or DT8; App control; Optional LTX Cloud connection; PIR movement and daylight sensor; LTX multisensor for workplace optimisation

Ceiling sensor KIRK
KIRK DT6/VTL/PSP AN/BT/EB
114420000-00809949



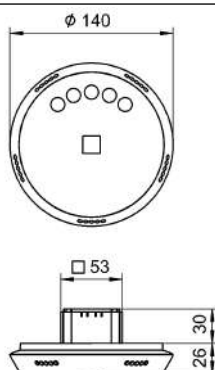
Connected load	220 - 240 V; AC; 50 Hz; 60 Hz
Power consumption	ca. 3 W
Light type/-color	dynamic white; Warm white; Daylight
System of protection/Class	IP 20; II
Technology	DALI
Operation	Wireless switch
Housing	Plastic; Untreated; Signal white
Mains lead	Connector
Fastening	Ceiling mounted
Accessory	Surface-mounted housing
Minimum ambient temperature	0 °C
Maximum ambient temperature	40 °C
Mounting height	2,5-3,5m
Wireless connection	Bluetooth
DALI control	DT6 Color control DT6
DALI power supply	Voltage supply on
Mounting type	Integrated version
EAN	4013330114244
Weight without/incl. packaging	ca. 0,2 kg; 0,3 kg
Packaging dimensions	ca. 143 mm; 100 mm; 160 mm
Special features	Connection of external DALI luminaires; VTL control with DT6 or DT8; App control; Optional LTX Cloud connection; PIR movement and daylight sensor; LTX multisensor for workplace optimisation

Ceiling sensor KIRK
KIRK DT8/840/PSP AN/BT/EB
114420000-00810508



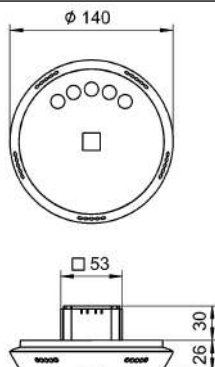
Connected load	220 - 240 V; AC; 50 Hz; 60 Hz
Power consumption	ca. 3 W
System of protection/Class	IP 20; II
Technology	DALI
Operation	Wireless switch
Housing	Plastic; Untreated; Signal white
Mains lead	Connector
Fastening	Ceiling mounted
Accessory	Surface-mounted housing
Minimum ambient temperature	0 °C
Maximum ambient temperature	40 °C
Mounting height	2,5-3m
Wireless connection	Bluetooth
DALI control	DT8 Color Control DT8
DALI power supply	Voltage supply on
Mounting type	Integrated version
EAN	4013330119317
Weight without/incl. packaging	ca. 0,2 kg; 0,3 kg
Packaging dimensions	ca. 143 mm; 100 mm; 160 mm
Special features	Connection of external DALI luminaires; VTL control with DT6 or DT8; App control; Optional LTX Cloud connection; PIR movement and daylight sensor; LTX multisensor for workplace optimisation

Ceiling sensor KIRK
KIRK DT8/840/PSP AUS/BT/EB
114420000-00810906



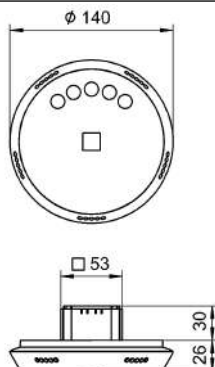
Connected load	220 - 240 V; AC; 50 Hz; 60 Hz
Power consumption	ca. 3 W
System of protection/Class	IP 20; II
Technology	DALI
Operation	Wireless switch
Housing	Plastic; Untreated; Signal white
Mains lead	Connector
Fastening	Ceiling mounted
Accessory	Surface-mounted housing
Minimum ambient temperature	0 °C
Maximum ambient temperature	40 °C
Mounting height	2,5-3m
Wireless connection	Bluetooth
DALI control	DT8 Color Control DT8
DALI power supply	Voltage supply off
Mounting type	Integrated version
EAN	4013330128814
Weight without/incl. packaging	ca. 0,2 kg; 0,3 kg
Packaging dimensions	ca. 143 mm; 100 mm; 160 mm
Special features	Connection of external DALI luminaires; VTL control with DT6 or DT8; App control; Optional LTX Cloud connection; PIR movement and daylight sensor; LTX multisensor for workplace optimisation

Ceiling sensor KIRK
KIRK DT8/VTL/PSP An/BT/EB
 114420000-00809714



Connected load	220 - 240 V; AC; 50 Hz; 60 Hz
Power consumption	ca. 3 W
Light type/-color	dynamic white; Warm white; Daylight
System of protection/Class	IP 20; II
Technology	DALI
Operation	Wireless switch
Housing	Plastic; Untreated; Signal white
Mains lead	Connector
Fastening	Ceiling mounted
Accessory	Surface-mounted housing
Minimum ambient temperature	0 °C
Maximum ambient temperature	40 °C
Mounting height	2,5-3,5m
Wireless connection	Bluetooth
DALI control	DT8 Color Control DT8
DALI power supply	Voltage supply on
Mounting type	Integrated version
EAN	4013330112851
Weight without/incl. packaging	ca. 0,2 kg; 0,3 kg
Packaging dimensions	ca. 143 mm; 100 mm; 160 mm
Special features	Connection of external DALI luminaires; VTL control with DT6 or DT8; App control; Optional LTX Cloud connection; PIR movement and daylight sensor; LTX multisensor for workplace optimisation

Ceiling sensor KIRK
KIRK DT8/VTL/PSP AUS/BT/EB
114420000-00810907



Connected load	220 - 240 V; AC; 50 Hz; 60 Hz
Power consumption	ca. 3 W
Light type/-color	dynamic white; Warm white; Daylight
System of protection/Class	IP 20; II
Technology	DALI
Operation	Wireless switch
Housing	Plastic; Untreated; Signal white
Mains lead	Connector
Fastening	Ceiling mounted
Accessory	Surface-mounted housing
Minimum ambient temperature	0 °C
Maximum ambient temperature	40 °C
Mounting height	2,5-3m
Wireless connection	Bluetooth
DALI control	DT8 Color Control DT8
DALI power supply	Voltage supply off
Mounting type	Integrated version
EAN	4013330128890
Weight without/incl. packaging	ca. 0,2 kg; 0,3 kg
Packaging dimensions	ca. 143 mm; 100 mm; 160 mm
Special features	Connection of external DALI luminaires; VTL control with DT6 or DT8; App control; Optional LTX Cloud connection; PIR movement and daylight sensor; LTX multisensor for workplace optimisation

BOOK AREAS AND ROOMS

SMART CEILING SENSOR

KIRK



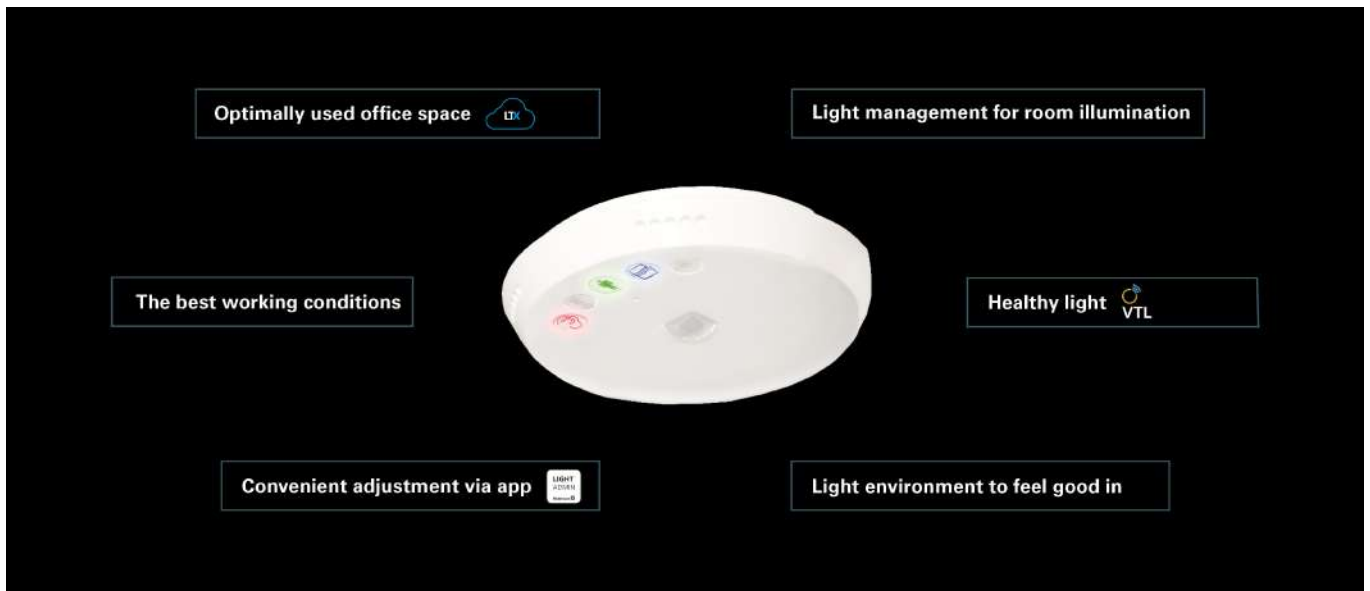
TIME TO GET SMART IN THE OFFICE

Our LTX ceiling sensor KIRK uses its data to help determine the real use of space and to record parameters such as noise and air quality to enable meaningful decisions to be made to improve workplace design.

- complements bookable working environments
- makes rooms and zones bookable in the smart office
- simplifies office organisation
- makes the working environment more attractive (light, temperature, volume and air quality)

TIME TO GET UNIQUE

Offices that employees like to come to because they offer optimal conditions? LTX helps with that, KIRK helps with that. Because our ceiling sensor ensures intelligent light management in rooms and zones, healthy light with VTL, the best working conditions and office spaces that are optimally tailored to the needs of employees. Installation is extremely simple using standard junction boxes. This also makes retrofitting simple: remove the old sensor, install KIRK.



TIME TO GET COMFORTABLE

LIGHT MANAGEMENT

Daylight and presence-dependent lighting

Our smart sensor KIRK can be used in all office environments where luminaires are to be controlled by daylight and presence sensors. In terms of lighting management, the focus of the LTX ceiling sensor is on decentralised control, i.e. KIRK autonomously controls the luminaires connected via DALI. It does not need to be integrated into an overarching lighting management system.

Healthy, dynamic light with VTL

With KIRK, no programming of the VTL function for biodynamic light is necessary. The settings are already programmed in the sensor and are adopted by the luminaires connected via DALI.

Learn more about the advantages of [biodynamic lighting with VTL here](#).

A lighting environment to feel good in

The system uses swarm control to prevent islands of light and allows luminaires to communicate with each other. We have compiled details on the TALK function for you [here](#).

Conveniently adjustable via app

The sensor can be easily operated and configured with the Waldmann apps LIGHT USER and LIGHT ADMIN. [Click here](#) for more information

TIME TO GET PLEASANT

KIRK ensures attractive working conditions because they are always at their best. Environmental parameters such as temperature, volume or air quality are displayed on the basis of limit values via the LEDs on the ceiling sensor. So the environment is just right, from the volume to the air quality.



Is the workstation occupied?

In a shared desk office, the LED display of workstation occupancy brings employees and free workspaces together and thus supports navigation through the workday in the long term.



Is the air quality right?

The air quality display reminds employees when it's time to swap the office dampness for fresh air.



Is the volume appropriate?

With this display, team members can easily regulate the volume in the office themselves. This prevents concentration breaks and increases performance.



Individually programmable display

Via API interfaces, it can, for example, time the optimal time for lunch or the way outside.



Is the temperature comfortable?

This LED display helps to adjust the working climate. Optimal temperatures increase performance and ensure well-being.

Linked to the cloud, our LTX sensor KIRK makes rooms and areas conveniently bookable.

TIME TO GET TRANSPARENT

While employees are wondering whether they can quickly book a meeting room or another communication zone for their team, office managers are asking themselves whether rooms and zones are ideally utilised. Does marketing perhaps need another creative space and accounting prefer another office for concentrated work instead of the large meeting room? KIRK can help. In combination with , rooms and zones equipped with KIRK can be conveniently booked.

KIRK makes the most advanced Waldmann technology available to workspace managers. Combined with the , the utilisation of areas and zones can be precisely analysed. The space

allocation can be changed in a well-founded manner on the basis of the database. It is good that data collected via KIRK can also be transferred to other systems in the building.

WHO HAS LTX, KEEPS AN EYE ON THE USE OF THE SPACE.



LTX also makes workplaces bookable.

Find out how you can easily make Flex Office worlds a reality with [LTX](#).

Overview of variants and technical data

KIRK: SCOPE OF FUNCTIONS


- LEDs indicate ambient parameters in the office, including Occupancy, temperature, noise level and air quality
- Sensoren zur Erkennung von Bewegung in einem Bereich von ca. 16 m², Lautstärkesensor, Luftqualitätssensor (VOC), Temperatursensor
- Light management via DALI and integrated power supply for 10 DALI devices
- Connectivity via Bluetooth switch possible (example: easyfit, battery-free) as well as integration into the LTX Mesh-Net to send data to the cloud for analysis

DALI colour control	Color temperature	VTL	DALI voltage supply	Radio	Mounting type	Model Order No.
BR Broadcast	4000 K	no	Voltage supply on	Bluetooth	Integrated version	KIR BR/840/PSP AN/BT/EB 00809948
BR Broadcast	4000 K	no	Voltage supply off	Bluetooth	Integrated version	KIR BR/840/PSP AUS/BT/EB 00809947
DT6 Color control DT6	4000 K	no	Voltage supply on	Bluetooth	Integrated version	KIR DT6/840/PSP AN/BT/EB 00810505
DT6 Color control DT6	4000 K	yes	Voltage supply off	Bluetooth	Integrated version	KIR DT6/840/PSPAUS/BT/EB 00810904
DT6 Color control DT6	4000 K	no	Voltage supply off	Bluetooth	Integrated version	KIR DT6/840/PSP AUS/BT/EB 00810902
DT6 Color control DT6	4000 K	yes	Voltage supply on	Bluetooth	Integrated version	KIR DT6/VTL/PSP AN/BT/EB 00809949
DT8 Color Control DT8	4000 K	no	Voltage supply on	Bluetooth	Integrated version	KIR DT8/840/PSP AN/BT/EB 00810508


DT8 Color Control DT8 4000 K	no	Voltage supply off	Bluetooth	Integrated version	KIR DT8/840/PSP AUS/BT/EB 00810906
DT8 Color Control DT8	yes	Voltage supply on	Bluetooth	Integrated version	KIR DT8/VTL/PSP An/BT/EB 00809714
DT8 Color Control DT8 4000 K	yes	Voltage supply off	Bluetooth	Integrated version	KIR DT8/VTL/PSP AUS/BT/EB 00810907

Accessories


Surface mount adapter for KIRK ceiling sensor

	Designation	Order No.
	Surface mount adapter	338299010 - 00808621

LTX Mesh-Gateway for data transmission into the cloud

	Designation	Technology	Order No.
	LTX Mesh-Gateway	Bluetooth Mesh, 2,4 GHz	330709010 - 00808075

LTX Mesh Repeater to extend the Bluetooth radio range for LTX systems

	Designation	Technology	Order No.
	LTX Mesh Repeater	Bluetooth Mesh, 2,4 GHz	338585010 - 00814229

CONVENIENT BOOKING OF WORKSTATIONS

SMART DESK SENSOR CHEKOV



IT BECOMES BOOKABLE

CHEKOV determines the real use of workplaces. The intelligent desk sensor uses its data to help organise and use office space efficiently with shared desk concepts. For happy facility managers and super satisfied employees.



IT BECOMES FUTURE-ORIENTED

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.

CHEKOV gives your building a digital update

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.



CHEKOV provides data for your building technology

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.



LTX is our groundbreaking sensor-based technology for the workplace model of the future. Sensors determine in real time the real usage of your offices and enable the implementation of workplace booking systems. With CHEKOV and the LTX software, the booking of workplaces becomes possible, with a connection to your Outlook system or Google Calendar.

Overview of variants

Description	Color	Mounting type	Model Order No.
Desk Sensor CHEKOV	White	Mounting under table	CHT BW 00811023

Accessories

USB-plug-in power supply		
Colour	Version	Order No.
Black	single USB	338410010-00810588
Black	double USB	338410020-00810589

LTX Mesh Repeater to extend the Bluetooth radio range for LTX systems

	Designation	Technology	Order No.
	LTX Mesh Repeater	Bluetooth Mesh, 2,4 GHz	338585010 - 00814229



LTX Mesh-Gateway for data transmission into the cloud

	Designation	Technology	Order No.
	LTX Mesh-Gateway	Bluetooth Mesh, 2,4 GHz	330709010 - 00808075



По вопросам продаж и поддержки обращайтесь:

Алматы (727)345-47-04
Ангарск (3955)60-70-56
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Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(727)345-47-04

Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: wne@nt-rt.ru || сайт: <https://waldmann.nt-rt.ru/>