B.E.G. LUXONET
Feel comfortable in your building

93550

DISCOVER NEW BUILDING AUTOMATION

Take off into a modern working world with convenient, cloud-based working, intuitive user interface and time-saving tools.

GETTING OFF TO A FLYING START INTO THE MODERN WORKING WORLD!

Our innovative LUXONET® building automation system creates efficiency and freedom for our best! Planners, system integrators and electrical installers can look forward to effective, location-independent work as well as simplicity and time savings on the construction site. The new LUXONET® makes work much easier and gives and competitive advantages.

CLOUD

Multifactor Authentication

Encrypted communication (MQTTS)

Push to controller Principle

Convenient and securely from any location configure

NEW AND ESPECIALLY FOR YOU

- a building automation system with Human Centric Lighting for Smart Buildings

- the LUXONET® Portal: a cloud-based software with floor plan view, virtual rooms, devices, automations and field line planning as a project planning environment

- a fieldbus controller as a playback device for script-based automation, local maintenance interface and link to the cloud

- a fieldbus gateway as a playback device for script-based automation, local test point for the field line installation and link to DALI luminaires, sensors and push-buttons

- an extensive, constantly evolving range of DALI sensors and switches for seamless integration into LUXONET®

VIRTUAL WORKING

Enjoy your new freedom!

Location-independent working via the Internet saves time and money and promotes your working comfort! Numerous tasks such as project planning and remote maintenance can be carried out via cloud access. You do not need to establish a physical connection to devices or install software.

A floor plan display for planning and commissioning provides a convenient overview and speeds up your work processes.

LUXONET® OPTIMIZES YOUR WORKFLOWS

LUXONET® is very easy to operate, as attention has been paid to intuitive menu navigation. Devices can be dragged to the appropriate position and the same applies to mapping, i.e. the virtual linking of inputs and outputs.

Maximum planning reliability thanks to script-based automation templates for logic functions and seamless integration of B.E.G. BMS DALI-2 sensors and push-buttons.

Use existing templates! Rely on the decades of experience of the sensor specialist B.E.G.! LUXONET® already contains a collection of optimum room configurations – simply use an existing template and the optimum lighting control system is ready for use.
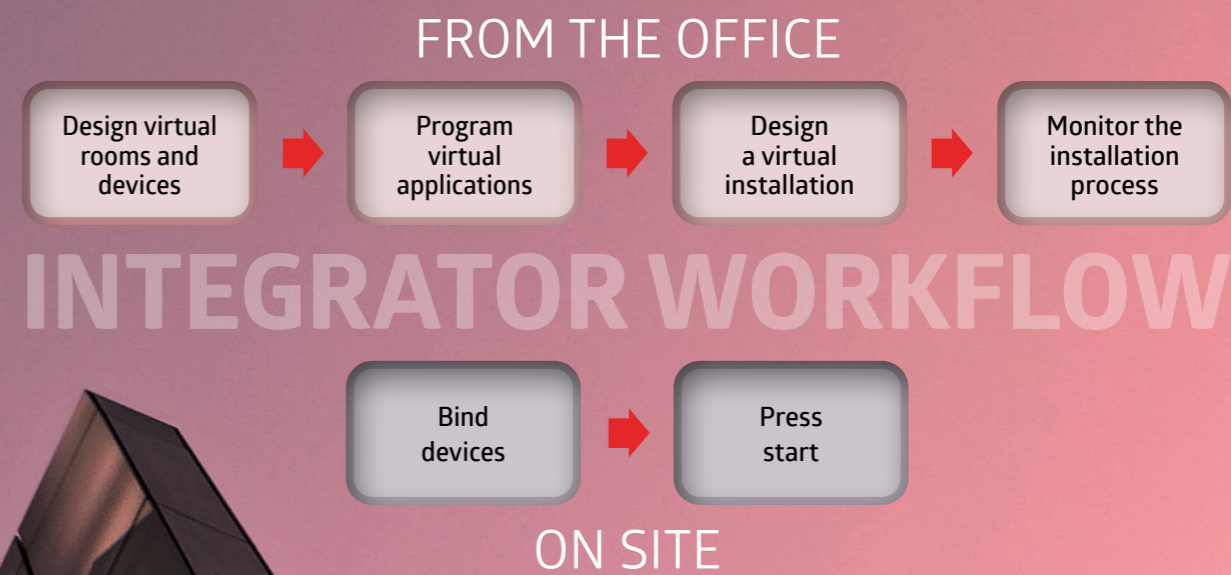
Get expert support! In addition, you can commission the B.E.G. scripting service to create further, exclusive templates for room configurations, thus outsourcing part of your work and saving valuable time.

Stay flexible… All device parameters can be set individually regardless of the templates used.

Collaboration is simplified – the installation process can be tracked via the cloud. This ensures that the installation is actually completed on site before you set off to connect field devices and calibrate sensors.

The project documentation is already integrated. The entire project can be saved as a digital document. This saves additional workload during acceptance and handover processes.

Secure automation – Building automation is protected against unauthorized access with a multi-level security concept. There is also data security with encrypted MQTT communication (MQTTS) and multi-factor authentication in the cloud. Decentralized control at IP level and offline automation increase operational security. The automations are distributed to the gateways via the cloud so that the entire system runs stably.

FROM THE OFFICE

Design virtual rooms and devices → Program virtual applications → Design a virtual installation → Monitor the installation process

INTEGRATOR WORKFLOW

Bind devices → Press start

ON SITE

UNIQUE HOUSING CONCEPT

We know the industry and the challenges of building automation, because our sensors have always formed the basis.

It starts with simple things: Anyone who has stood in front of a control cabinet knows how small devices can be and how annoying annoying attaching the cables can be can be.

LUXONET®

- Status
- Link
- Mode
- Service

FB Controller   93550

PWR 24-48 DC

ETH 1

Find out more

Wouldn't it be ideal to have devices in use to have devices that simplify the cabling:

- Where connectors are fitted in such a way that LAN cables can be cleanly connected without kinking cables?

- Where transparent housing parts simultaneously provide an insight, so that you can see what you are doing?

- Where integrated cable ties practically secure the fit of the cables?

- Where all these details help to avoid cable damage and save time.

That is also LUXONET®

FURTHER BENEFITS

Front service flap:

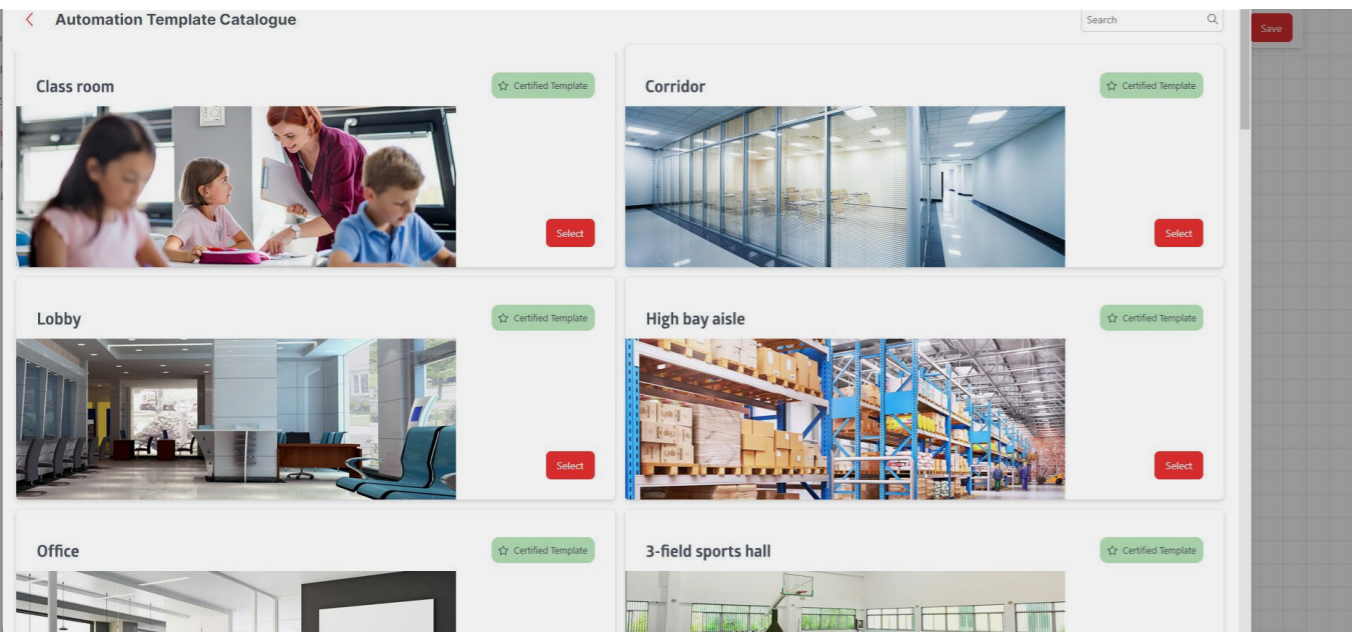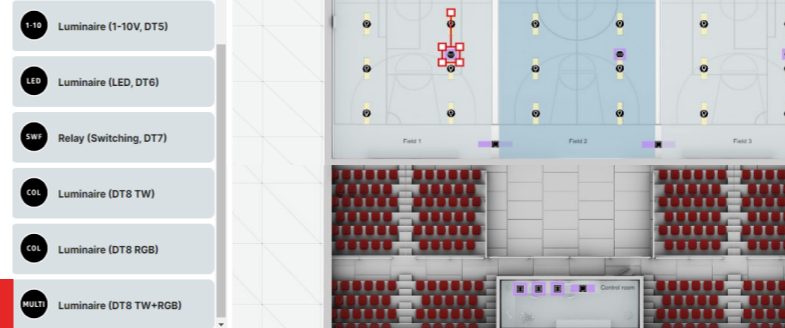The service flap conceals further connections and control buttons

Removable plug for supply voltage is suitable for through-wiring

Integrated LAN switch for connecting another gateway in the same sub-distribution board
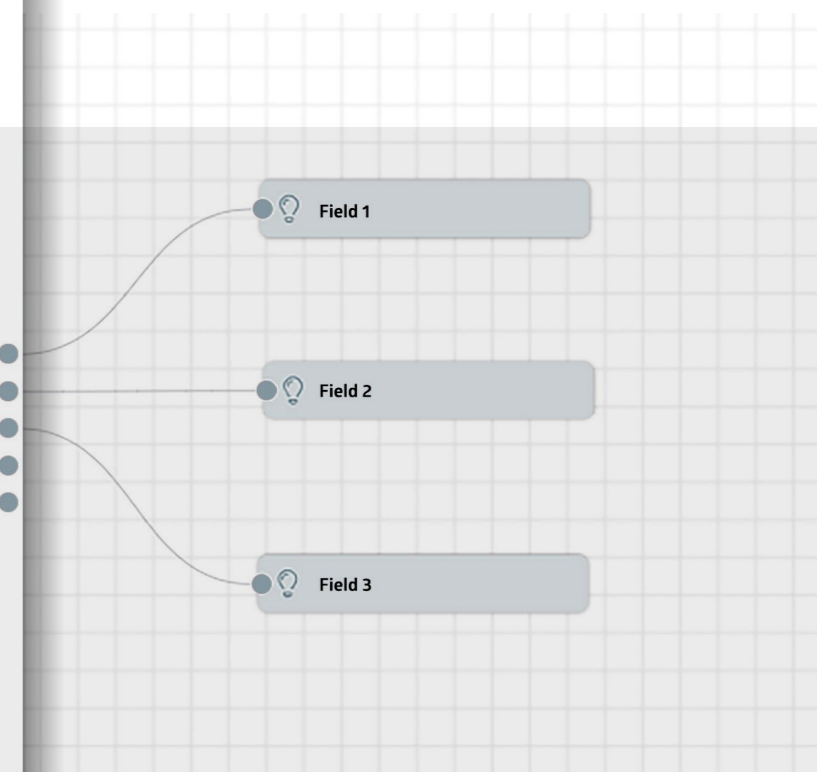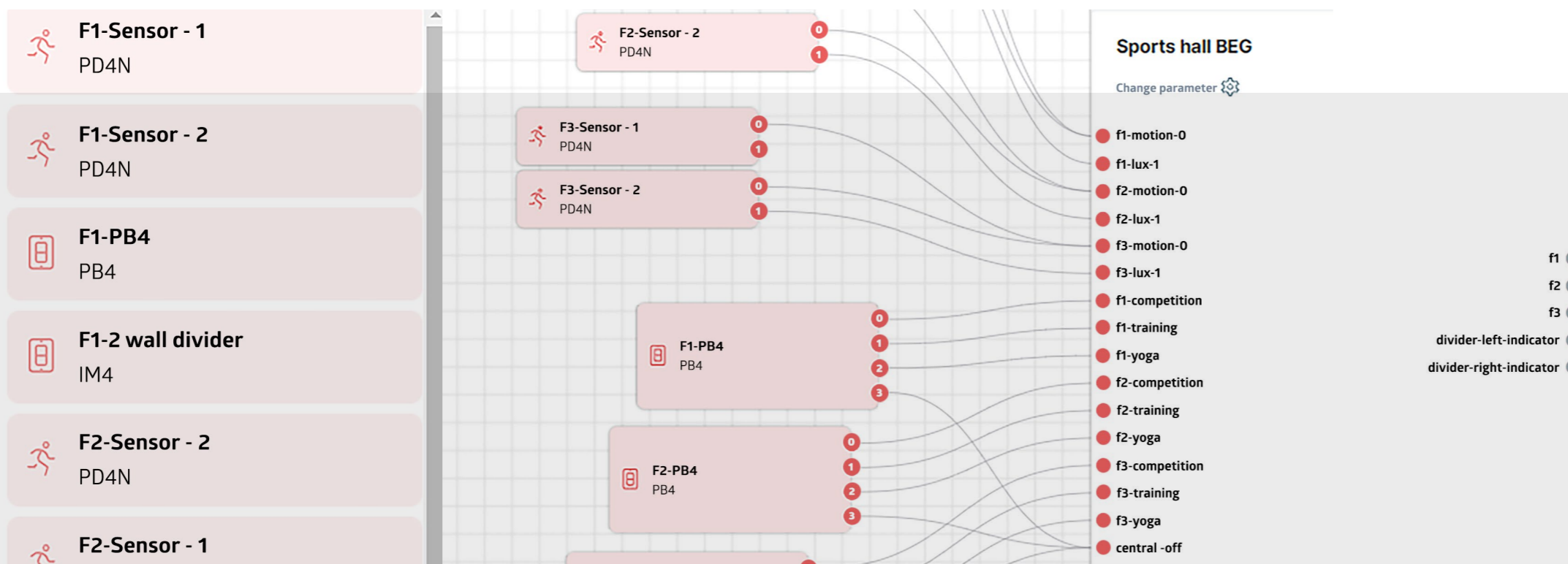
USE B.E.G. PLANNING EXPERIENCE

They are in use all over the world and form the basis of energy-efficient, comfortable buildings – with B.E.G. sensors you can rely on quality and the decades of experience of lighting control professionals: experience that you can integrate directly into your project.

Optimal working conditions in classrooms? Biodynamic light in offices? Guided light in stairwells? Soft lighting for yoga classes in sports halls?

Numerous applications, tried and tested hundreds of times – you will find you are sure to find the one that suits your project in the collection of B.E.G. automation templates.

The selected template can be transferred to your room with just one click and works as it should. This saves time and creates feel-good rooms.

Do you want something special? You can make your own individual settings or adjustments at any time. If required, you can also request a more comprehensive outsourcing offer for a room configuration via the B.E.G. scripting service.

Cloud

FB Controller

Memory-programmable fieldbus controller for energy-efficient, convenient and safe building automation with LUXONET®.

Find out more

- Parameterization: via web application
- max. 10 W
- 90 x 144 x 64 mm (8TE)
- 3x USB 2.0
  3x LAN 100 Mbit/s
  1x Serial

FB Gateway DUO DALI-2

The DUO DALI-2 fieldbus gateway is a device with 2 integrated Multimaster DALI application controller for more energy-efficient, convenient and safe building automation with LUXONET® from B.E.G.

Find out more

- Parameterization: via web application
- max. 13 W
- 90 x 108 x 64 mm (6 TE)
- 2x LAN 100 Mbit/s
  2x DALI

BMS DALI-2

DALI-2 certified sensors and push-buttons for seamless integration into the LUXONET® system.

Find out more

- Parameterization: via web application
- 4-7mA
- from DALI-Bus, max. 22,5 V DC
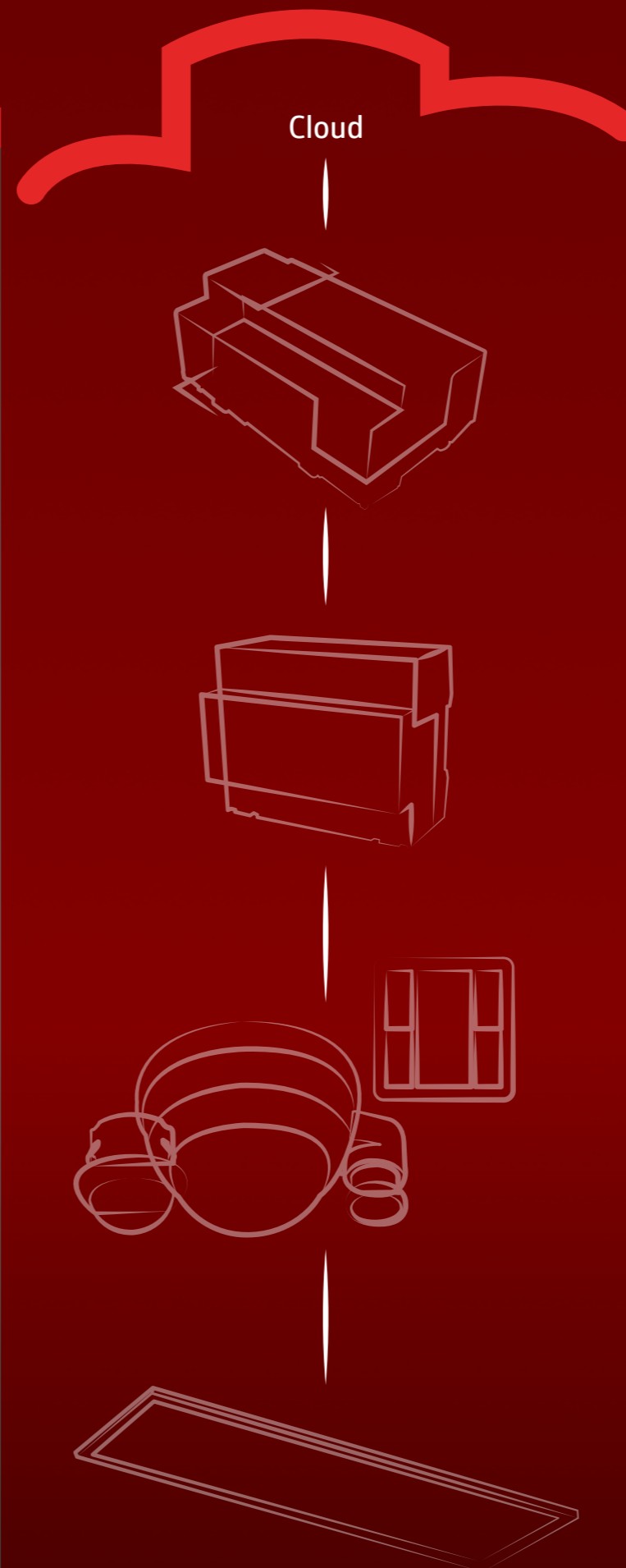
DALI-2 Lights and actuators

LUXONET® supports all DALI-2 certified control gear from all manufacturers. Our own range includes Tuneable-White luminaires and switch actuators.

Find out more

- Parameterization: via web application

FUNCTION OVERVIEW

- HCL
- Presence-dependent control
- Daylight-dependent control (dimming)
- Time-based control (RTC in controller)
- Situations / scenes
- Divisible rooms
- QR code installation check
- Automatic addressing
- Distributed intelligence at IP level
- Virtual project planning
- Field line independent room configuration
- Extensive catalog of automation templates

INTEGRATION AND SERVICE

The Integration Service provides you with an experienced team to integrate your own building automation systems. Our LUXONET® scripting specialists can quickly implement your individual wishes for logical links and functions. Request your individual offer to create a room configuration.

Our reliable support team can answer technical questions of any kind quickly and easily on the phone or, if required, on site. And last but not least, we have prepared many training programmes for you, which are carried out with our in-house B.E.G. Academy.

For us, excellent project support does not end with completion. We value sustainable customer relationships and therefore help as your requirements change over time.

Are you interested in finding out more about the services offered by LUXONET®? Then get in contact us today! We look forward to hearing from you!