

sITeco



Types,
data sheets,
configuration -
everything at a glance:

Highbay
11 / 21



Highbay 11 / 21

Built for extremes.

Quantum leap high bay lighting.

Up to

211 lm/W

Maximum efficiency for minimal energy costs and fast payback.

-40 °C to +70 °C

Reliable even in extreme temperatures.

**100,000 h
service life**

Extremely durable – even in high ambient temperatures.

**95 % luminous flux
maintenance**

For maximum light output over the entire service life.



Up to
70,000 lumen

High light output for optimum illumination mounting at heights up to 30 meters.

Also perfect for

trunking systems

Up and running in no time.



50% lighter

than the previous model. Ultralight design for fast installation and safe handling – even at great heights.

Sustainably produced

Minimal use of resources, recyclable materials, and made in Germany.





The right solution for every application.

- **Logistics areas with high ceilings.** Lumen packages from 10 – 70 klm, narrow and wide beam lens optics.
- **Automotive industry.** LABS-free.
- **Food processing.** IFS/HACCP.
- **Cold storage, steel and glass production / processing.** IP66, temperature resistance from -40°C to 70°C .
- **Sports halls.** Ball-proof with optimum glare control.

Customizable mounting, sensor, and emergency lighting options for maximum flexibility in any environment.

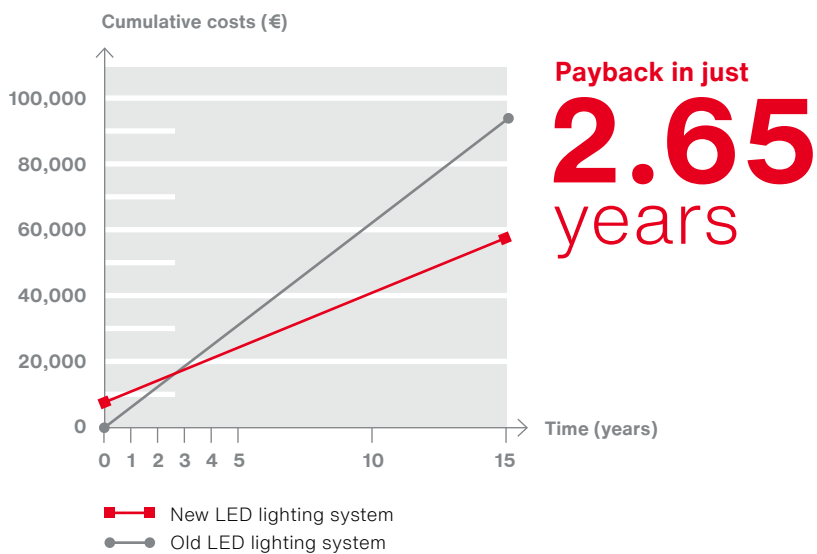
A quantum leap for every application.

Efficient like no other.

With 211 lm/W, our Highbay 11 is the most efficient high-bay luminaire on the market. For minimal operating costs and ultra-fast payback.

Even upgrading first-generation LED luminaires to new LED technology pays off from day one.

A quantum leap for your investment.



Production hall in two-shift operation (EN 12464)
Em 300 lx, 25 × 40 × 18 m, 4,590 h / year, 15 years





Lightning-fast installation.

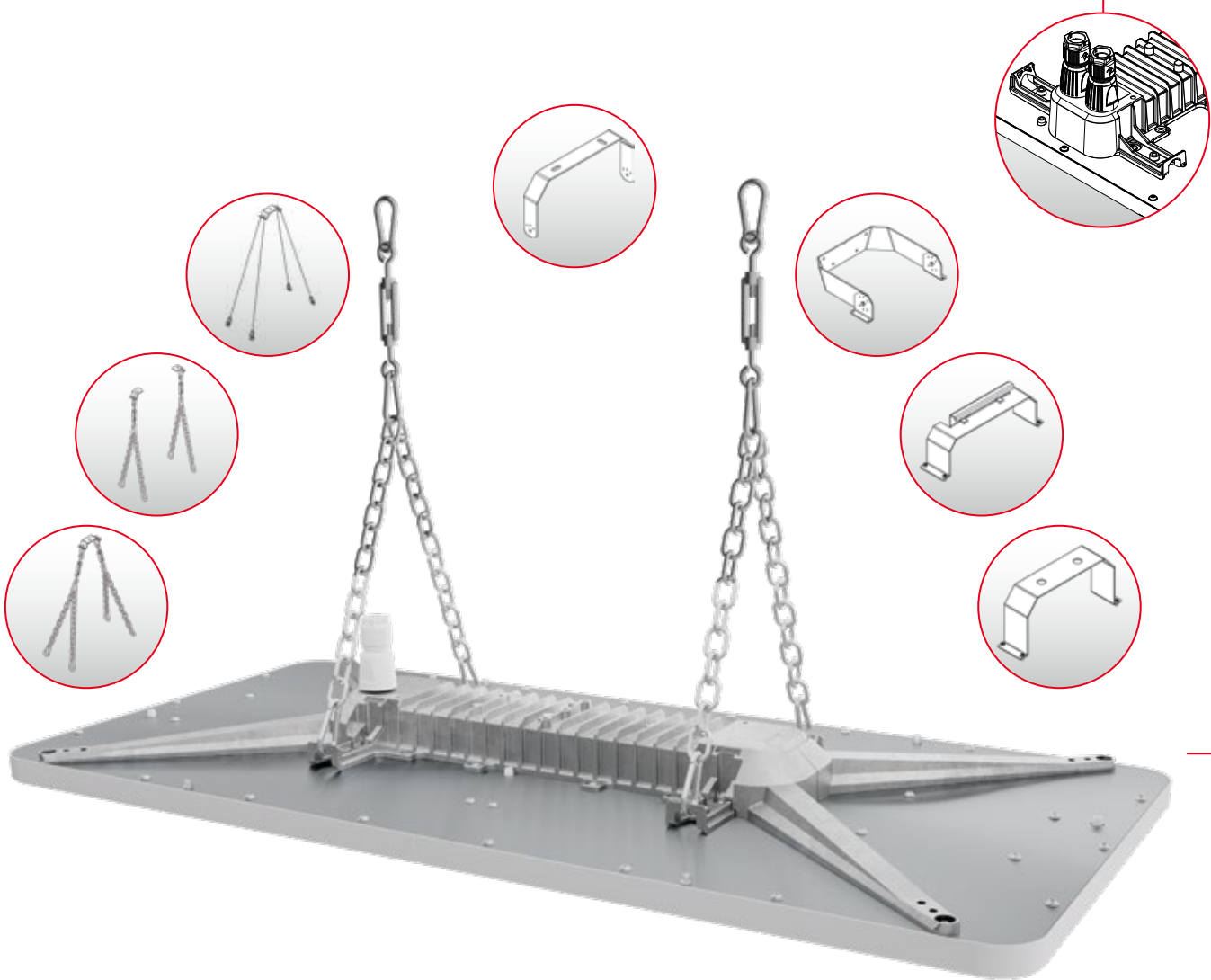
Single luminaire.

Developed for simplicity.

- Effortless mounting of accessories thanks to multifunctional device box.
- No need to open the housing thanks to the external quick connector.

Built to adapt.

- Multiple mounting options: chain, cable, wall and ceiling bracket, C-rail, tensioning cable.
- Custom cable lengths to fit your needs.
- Through-wiring versions available.



Continuous rooflight.

Time-saving by design.

- Ultra-light weight and minimal suspension points.
- Reduced cabling effort thanks to pre-wired support rail.
- Tool-free installation - simply click into place.

Flexible and future-ready.

- Can be easily repositioned or expanded at any time.
- Easy integration of presence and daylight sensors for maximum energy savings.

A quantum leap for your installation.



**50 %
lighter**

than the previous model.
For minimal static load and
easy installation.

**25 %
faster installation**

compared to individual luminaires.

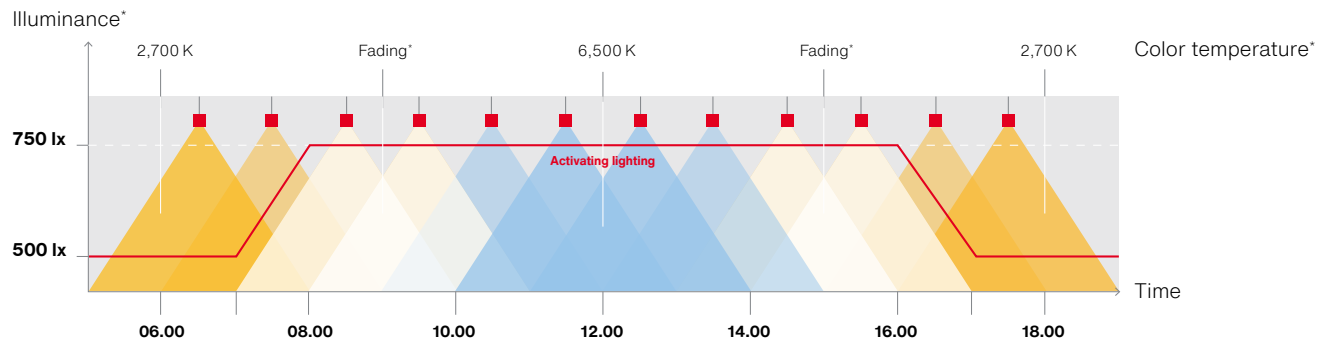
A new level of productivity – with HCL^{live}.

Light impacts well-being, performance, and safety.
We take it a step further: with truly healthy light.

Our revolutionary biological lighting brings daylight indoors.
With either full-spectrum technology or as dynamic Human Centric
Lighting (HCL^{live}) that adapts to the natural rhythm of the day.

Light that's proven to promote health. Made for people.

A quantum leap for health.



* Project-specific design in accordance with DIN SPEC 67600, 5031-100 and EN 12464-1



**Dynamic
color temperature**

from 2,700 to 6,500 K for enhanced
well-being and productivity.


**Constant
luminous flux**

across all color temperatures.

Powerful

with up to 12,000 lumens.





Modular design. Full flexibility.

Thanks to advanced engineering, the Highbay 11 is based on a fully modular system. Drivers, modules, and electrical components can be flexibly configured for customized lighting solutions.

This enables both customized configurations and fast adaptation to new requirements - efficient, future-proof, and flexible.

100 % Modular
product concepts

100 % Flexibility

Made in

Traunreut



Sustainability. Without compromise implemented.

- **Made in Germany**
- **Short supply chains for fast availability**
- **Few, recyclable components**
- **Plastic-free packaging**

A quantum leap for your sustainability.

100 % In-house development
and production

100 % Customizability and
interchangeability

Intelligent sensor technology for maximum savings.



Connected in seconds.

Presence and daylight control can be easily integrated – for maximum energy and CO₂ savings. Wireless sensor technology – no rewiring needed, even at mounting heights up to 17 meters.

Future-ready.

Functions can be flexibly adapted – thanks to open interfaces for sensors and electronic ballasts. GEG- and EPBD-compliant.

Smart down to the smallest detail.

Sensors with a high IP65 protection rating are integrated directly into the luminaire.

Maximum flexibility.

Scalable to any size – networks with over 300 sensor luminaires can be controlled locally.



DALI 2

for central wired control – with or without integrated multi-sensor combining DALI 2 daylight and motion sensor. Compatible with lighting and building management systems such as SITECO Connect 11 or Connect 21.



Bluetooth Mesh

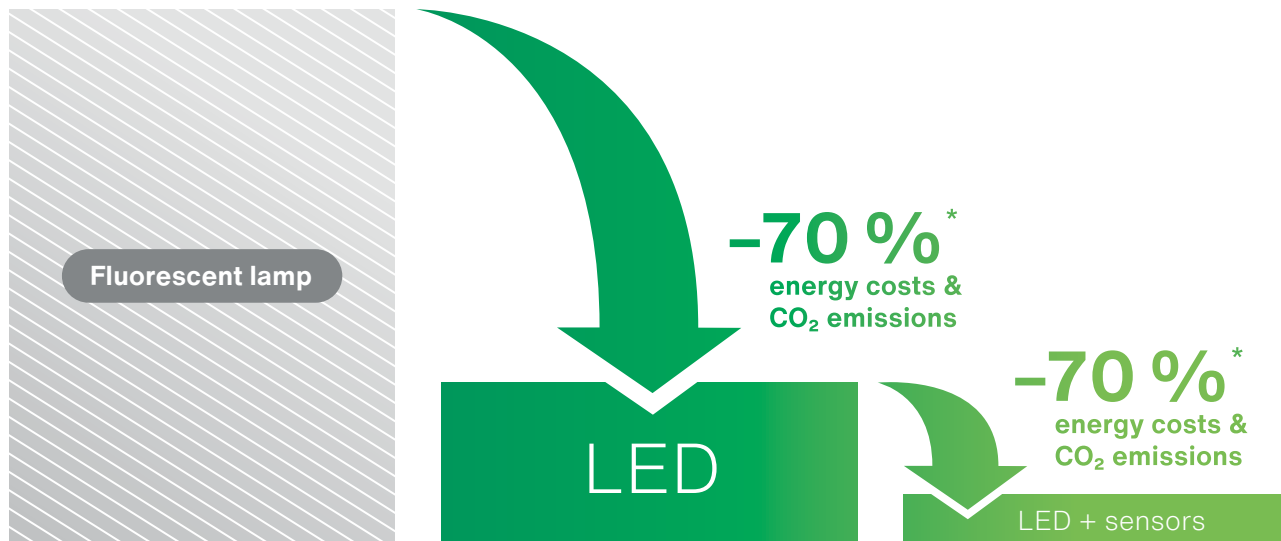
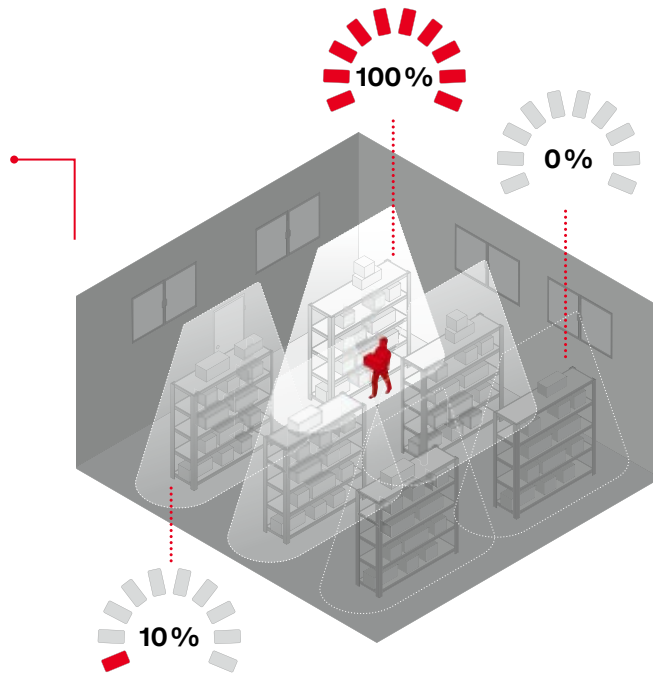
for local wireless control – with integrated Bluetooth multi-sensor (daylight and motion) or a Bluetooth communication module for easy refurbishment. No additional control wiring required.



Automatic swarm function.

Predictive lighting thanks to intelligent sensor technology for greater safety. Ready to use – no setup needed.

A quantum leap for your investment.



*Savings depend on the specific application and user behavior



Highbay 11 / 21 at a glance.

Mounting as individual luminaire:

Highbay 11 midi



Technical data

Dimensions: 474 mm × 442 mm × 72 mm

Weight: 3.7 kg

Luminous flux: 10,000 ... 34,500 lm

Luminous efficacy: up to 210 lm/W

Temperature range: -40 °C ... +70 °C

Highbay 11 maxi



Technical data

Dimensions: 946 mm × 442 mm × 72 mm

Weight: 7.2 kg

Luminous flux: 20,000 lm ... 70,000 lm

Luminous efficacy: up to 211 lm/W

Temperature range: -40 °C ... +65 °C

■ Also available in black.

All variants with order numbers can be found online:



Technical data Highbay 11 (all sizes)

Average rated service life: 100,000 h L95 at 25 °C / L90 at Ta max

Color temperature: 3,000 K | 4,000 K | 5,000 K | 6,500 K | TW

Color rendering index: CRI < 80 | CRI < 90

SDCM: MacAdam ≤ 2 SDCM (initial)

Cover: PMMA | lens optics

Beam angle: narrow distribution | wide distribution

Protection class: IP66

Impact resistance: IK08

Control: DALI 2

Sensors: Bluetooth Mesh multisensor, wireless networkable | DALI 2 multisensor, optional

Emergency lighting: variants with 3 h single battery | all luminaires with DC-capable driver for central battery

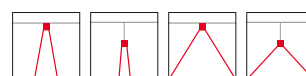
Electrical connection: external terminal, 5-pole, max. 2.5 mm² | variants with through-wiring

Housing: glass fiber reinforced plastic, traffic white (RAL 9016) or jet black (RAL9005), sheet steel

Installation: suspended or surface-mounted installation with accessories

Accessories: chain suspension | cable suspension | pivoting wall bracket | pivoting ceiling bracket for mounting

Certificates: ball-proof | IFS / HACCP | LABS-free



Highbay 21 midi

Technical data

Dimensions: 474 mm × 442 mm × 72 mm

Weight: 3.7 kg

Luminous flux: 14,000 ... 32,000 lm

Luminous efficacy: up to 194 lm/W

Temperature range: -40 °C ... +70 °C

Highbay 21 maxi

Technical data

Dimensions: 946 mm × 442 mm × 72 mm

Weight: 7.2 kg

Luminous flux: 28,000 ... 64,000 lm

Luminous efficacy: up to 194 lm/W

Temperature range: -40 °C ... +65 °C

■ Also available in black.

Technical data Highbay 21 (all sizes)

Average rated service life: 75,000 h L80 at 25 °C and at Ta max

Color temperature: 3,000 K | 4,000 K | 5,000 K | 6,500 K

Color rendering index: CRI < 80

SDCM: MacAdam ≤ 3 SDCM (initial)

Cover: PMMA | lens optics

Beam angle: narrow distribution | wide distribution

Protection class: IP66

Impact resistance: IK08

Control: DALI 2

Sensors: Bluetooth Mesh multisensor, wireless networkable | DALI 2 multisensor, optional

Emergency lighting: variants with 3 h single battery | all luminaires with DC-capable driver for central battery

Electrical connection: external terminal, 5-pole, max. 2.5 mm² | variants with through-wiring

Housing: glass fiber reinforced plastic, traffic white (RAL 9016) or jet black (RAL9005), sheet steel

Installation: suspended or surface-mounted installation with accessories

Accessories: chain suspension | cable suspension | pivoting wall bracket | pivoting ceiling bracket for mounting

Certificates: ball-proof | IFS / HACCP | LABS-free

All variants with order numbers can be found online:



Highbay 11 / 21 at a glance.

Mounting on trunking system support rail:



Highbay 11 Licross midi

Technical data

Dimensions: 750 mm × 442 mm × 116 mm

Weight: 3.0 kg

Luminous flux: 10,000 ... 34,500 lm

Luminous efficacy: up to 210 lm/W

Temperature range: -40 °C ... +55 °C



Highbay 11 Licross maxi

Technical data

Dimensions: 1,250 mm × 442 mm × 116 mm

Weight: 7.0 kg

Luminous flux: 20,000 lm ... 70,000 lm

Luminous efficacy: up to 211 lm/W

Temperature range: -40 °C ... +55 °C

■ Also available in black on request.

All variants with order numbers can be found online:



Technical data Highbay 11 Licross (all sizes)

Average rated service life: 100,000 h L95 at 25 °C / L90 at Ta max

Color temperature: 3,000 K | 4,000 K | 5,000 K | 6,500 K | TW

Color rendering index: CRI < 80 | CRI < 90

SDCM: MacAdam ≤ 2 SDCM (initial)

Cover: PMMA | lens optics

Beam angle: narrow distribution | wide distribution

Protection class: IP64

Impact resistance: IK08

Control: DALI 2

Sensors: Bluetooth Mesh multisensor, wireless networkable | DALI 2 multisensor, optional

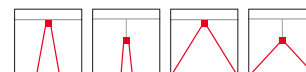
Emergency lighting: variants with 3 h single battery | all luminaires with DC-capable driver for central battery

Electrical connection: Licross contact block

Housing: glass fiber reinforced plastic, traffic white (RAL 9016), sheet steel

Installation: insert for Licross trunking system

Certificates: IFS / HACCP | LABS-free



Highbay 21 Licross midi

Technical data

Dimensions: 750 mm × 442 mm × 116 mm

Weight: 3.0 kg

Luminous flux: 14,000 ... 32,000 lm

Luminous efficacy: up to 194 lm/W

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Weight: 7.0 kg

Luminous flux: 28,000 ... 64,000 lm

Luminous efficacy: up to 194 lm/W

Temperature range: -40 °C ... +55 °C

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Technical data Highbay 21 Licross (all sizes)

Average rated service life: 75,000 h L80 at 25 °C and at Ta max

Color temperature: 3,000 K | 4,000 K | 5,000 K | 6,500 K

Color rendering index: CRI < 80

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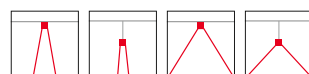
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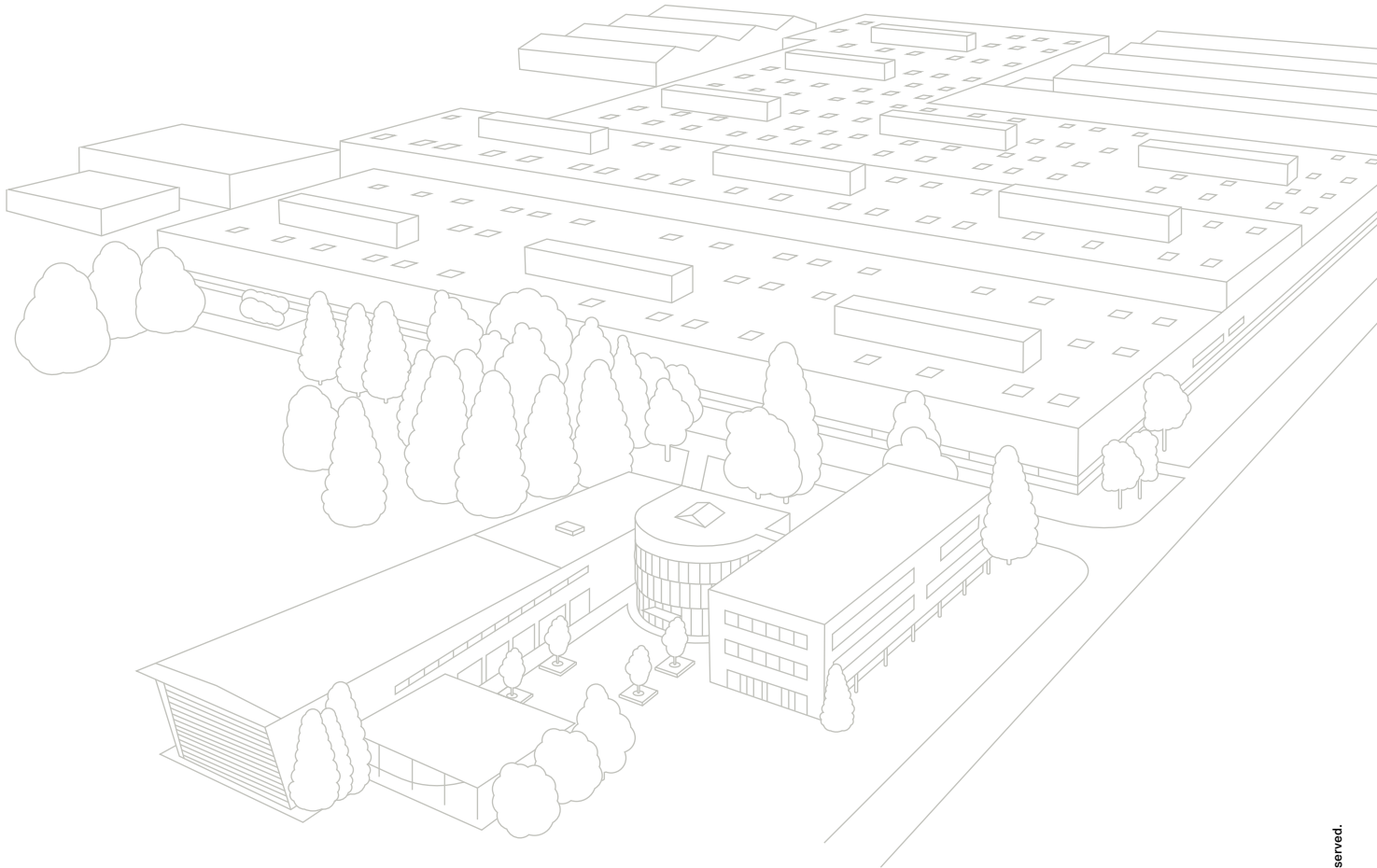
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Installation: insert for Licross trunking system

Certificates: IFS / HACCP | LABS-free



Get in touch and
discover the quantum leap
in high bay lighting.



Contact.

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