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The future of education. Lighting solutions for the next generation.

Quantum leap lighting solution.

Lighting solutions from a single source make all the difference. Because understanding lighting as a whole is the foundation for developing truly effective lighting solutions.

That's why we focus on efficiency, modularity, and intelligence. For both our products and services. With unique expertise, technological finesse, and an unmatched depth of value creation. Made in Traunreut, Germany.

SITECO stands for a quantum leap in lighting solutions: lighting, control, project and operation.

Quantum leap education.

Unrivaled light quality.

Whether classroom, lecture hall, sports hall, or outdoor area – we ensure the best learning conditions on the entire campus.

Maximum flexibility.

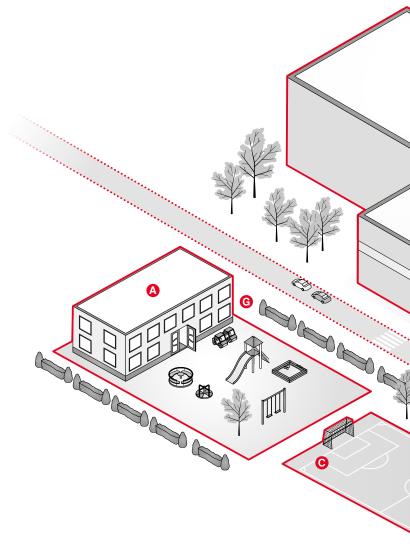
Fast, reliable, and tailored to your needs – we live Made in Traunreut, Germany.

Fully sustainable.

Minimal energy costs, replaceable and upgradeable – the most efficient light, modularly designed.

More about our lighting solutions for the education of tomorrow.





Main areas:

- A Daycare rooms
- Classrooms
- Sports halls and courts
- Lecture halls

Secondary areas:

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- Laboratories and libraries
- Meeting and movement spaces
- Administration rooms
- Entrance areas, parking lots, roads, and paths

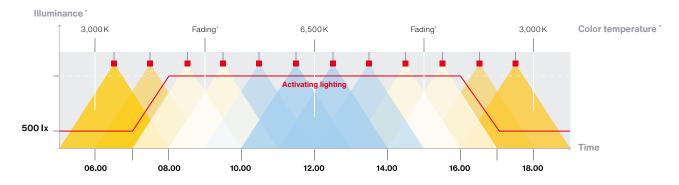
Healthy light that strengthens learning.

Light influences well-being, concentration, and success. We take it a step further: Healthy light.

Our revolutionary biological light brings the day into the room. Either with fullspectrum technology or as dynamic Human Centric Lighting (HCL^{live}) that adapts to the course of the day.

Light that has been 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



We live Made in Traunreut.

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Unique depth of value creation, maximum independence, and lighting expertise built on over than 160 years of SITECO. In Traunreut, Bavaria, lighting ideas are born, developed, and produced.

Customized lighting solutions.

We are your partner for individual lighting solutions – flexible, fast, and always solution-oriented.

Whether suspended ceilings, strip grids, or system ceilings. Our refurbishment kits are adaptable, minimize effort, and allow for easy installation during ongoing operations.

A quantum leap in flexibility.

Fully sustainable.

We embrace sustainability and are committed to efficiency and modularity.

Maximum CO₂ and energy savings meet infinite customization options and maximum longevity. Components can be easily replaced even years down the line – ensuring simple maintenance, repairs, and upgrades.

A quantum leap for your sustainability.

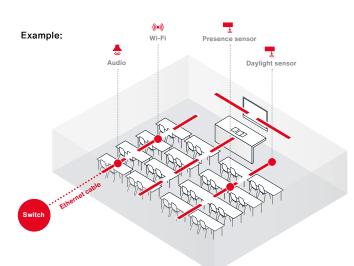


Intelligent buildings.

Light is part of a networked infrastructure and forms the basis for your intelligent building.

Whether stand-alone or integrated into the existing building control system – with SITECO Connect, you maximize the potential of your lighting, save energy, and eliminate redundant building infrastructure.

A quantum leap for your building.



Optimized structure:

 $igodoldsymbol{ heta}$ Low installation effort

• Network components can be scaled down

- \bigoplus Transmission lengths > 300 m
- + High flexibility
- + Low material costs
- Simple retrofitting of devices
- + Tidy and uncluttered ceiling

an be scaled down vices iling





Up to 40 % subsidy.

BEG and BMWK subsidies support the retrofitting of municipal lighting. We help with the assessment and application process.

Save up to 40 % of the investment costs while reducing operating costs by 70 %. If not now, then when?

A quantum leap in financing your project.



Federal funding for efficient buildings (BEG) or BMWK funding program

BEG	BMWK
Continuous-row luminaires 140 lm/W, otherwise 120 lm/W	100lm/W
L80/50,000h	L80/50,000h
none	GEG reference technology
none	50 %
15 %	25 % - 40 %
300€	10,000€minimum grant
until 31.12.2030	until 31.12.2027
	Continuous-row luminaires 140 lm/W, otherwise 120 lm/W L80 / 50,000 h none none 15 % 300 €

General conditions: Retrofit of lighting systems in municipal existing buildings (also for companies in the private sector)

Eligible expenditure:

- Light replacement incl. installation / dismantling
- Control technology, e.g., SITECO Connect
- Ancillary work and lighting design

Funding opportunities in Germany. For country-specific programs, please contact us - we are happy to help.

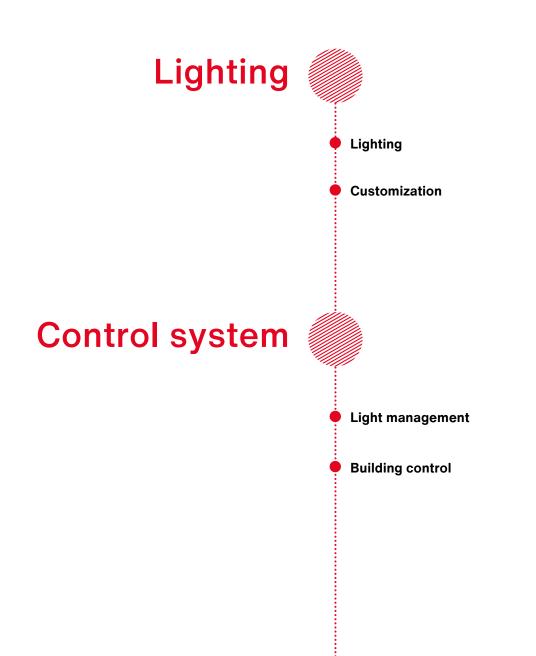
For details, visit:

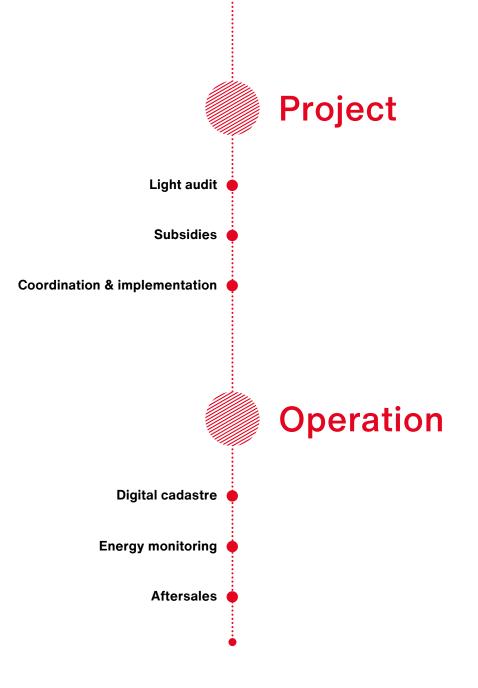
www.siteco.com/ solutions/ funding-programs



Maximum competence.

We understand your project and support you from start to finish with our unique lighting expertise and our extensive partner network.





Outstanding lighting technology is the foundation. Lighting control creates optimum conditions for learning and enables sustainable operation. Our aim is to guide your project to success – you decide how we can support you.

A quantum leap for holistic lighting solutions.





Light that **supports** education.

Light fosters learning – it creates atmosphere, enhances concentration, and encourages sustainability.

Bright, glare-free lighting supports learningperformance, while warm light promotes relaxation. With flexible control, the light adapts to the time of day and usage, optimizes the use of light, and reduces energy consumption.

SITECO lighting solutions offer ideal conditions for your educational facility and minimize energy costs.

A quantum leap for your learning spaces.

Areas of application:

- Daycare centers
- Classrooms
- · Lecture halls, laboratories, and libraries
- Meeting and movement spaces
- Administration rooms

Planning your daycare center.

- Warm white light (approx. 3,000 K) promotes well-being.
- **High color rendering** makes painting, crafting, and puzzling easier.
- **Diffuse covers** minimize glare when looking upwards.
- **Adjustable lighting:** Flexible light levels for sleeping, playing, and crafting.
- **Save energy:** Pre-set light scenes and daylight-dependent control.



Solutions:

- Round 21
- Silica 31 Square
- Siluette 21
- Lunis 21
- •••

Standards and regulatory requirements:

	Illumi	Illuminance		Glare limitation
	E,	E _m Ix		UGR
	required ¹	modified ²		
Kindergarten	300	500	0.4	22
Playroom	300	500	0.4	22
Craft room	300	500	0.6	19

1) Corresponds to the required minimum value according to the table in EN 12464-1.

2) The higher, modified value according to the table in EN 12464-1 must be applied if the visual conditions deviate from the standard conditions, e.g., for particularly demanding visual tasks, unfavorable contrast ratios, or safety-critical work areas.



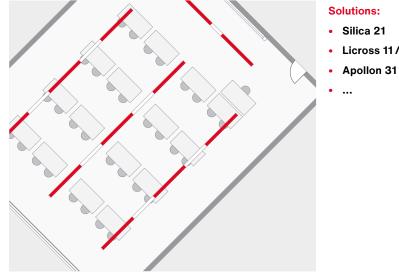






Planning your classrooms.

- Direct and indirect light ensure uniform illumination and biological light (HCL^{live}).
- Uniformly good lighting conditions allow flexible use of the space.
- Adjustable light colors (2,700 6,500 K) adapt to the course of daylight.
- Board lighting: Uniform, separately switchable, and dimmable.



- Licross 11/21
- **Apollon 31 Rectangular**

Standards and regulatory requirements:

	Illum	Illuminance		Glare limitation
	E,	E _m Ix		UGR
	required ¹	modified ²		
Classroom	500	1,000	0.6	19
Vertical board	500	750	0.7	19

1) Corresponds to the required minimum value according to the table in EN 12464-1. 2) The higher, modified value according to the table in EN 12464-1 must be applied if the visual conditions deviate from the standard conditions, e.g., for particularly demanding visual tasks, unfavorable contrast ratios, or safety-critical work areas.

Planning your **lecture halls**, **laboratories**, and libraries.

- **Controllable lighting:** Central control directly at the speaker's desk.
- **Precise light distribution:** Clear illumination of stairs and walkways without spill light.
- **Wallwasher:** Uniform, bright light for the stage and presentation area.
- Glare-free light for students: Allows note-taking without scattered light on the screen.
- Plan emergency exit luminaires for safety.



Solutions:

- Silica 21 recessed luminaires
- Lunis 21
- Round 21
 - •••

Standards and regulatory requirements:

	Illum	Illuminance		Glare limitation
	E	E _m Ix		UGR
	required ¹	modified ²		
Lecture hall	500	750	0.6	19
Vertical board	500	750	0.6	19

1) Corresponds to the required minimum value according to the table in EN 12464-1.

2) The higher, modified value according to the table in EN 12464-1 must be applied if the visual conditions deviate from the standard conditions, e.g., for particularly demanding visual tasks, unfavorable contrast ratios, or safety-critical work areas.





Selected products for your learning spaces.

Silica 21 Eldacon L

Silica 31 Square

Silica family

- · Flexible: recessed, surface-mounted, pendant luminaires, various light distributions
- · Efficient: 185 Im/W
- **Ergonomic:** glare-free (UGR \leq 19), Tunable White, indirect light
- · Future-proof: DALI-2 control
- Sustainable: replaceable components, easy upgrades, 70,000 h service life





- Flexible: various inserts and light
- distributions, simple extension, Wi-Fi, audio, video
- · Efficient: 209 Im/W

Licross family

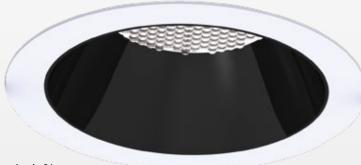
- **Ergonomic:** glare-free (UGR \leq 19), Tunable White
- Future-proof: DALI-2 control, 14 cores
- · Sustainable: replaceable components, easy upgrades, 100,000 h service life

Licross 21 Recessed

Round 21

- Flexible: wall and ceiling light, various sizes and colors, Multilumen
- Efficient: 146 lm/W
- Ergonomic: indirect light, Tunable White
- Future-proof: DALI-2 control
- Sustainable: 50,000 h service life





Lunis 21

Lunis 21

- Flexible: replaces downlights (Ø 68 265 mm),
 5 optics, Multilumen
- · Efficient: 185 lm/W
- Ergonomic: glare-free (UGR ≤ 19), Tunable White
- Future-proof: DALI-2 control
- **Sustainable:** replaceable components, easy upgrades, 50,000 h service life

Apollon 31

- Flexible: recessed, surface-mounted, pendant luminaires, Multilumen
- Efficient: 139 Im/W
- Future-proof: DALI-2 control
- **Ergonomic:** glare-free (UGR \leq 19)
- Sustainable: 50,000 h service life

Apollon 31 Rectangular

The planning of your **meeting and movement spaces**.

- A loose arrangement of lights creates an inviting atmosphere.
- Warm white light (approx. 3,000 K) promotes well-being.
- Daylight sensors reduce artificial light when there is sufficient daylight.
- Spotlights and wallwashers perfectly highlight pinboards or art.
- Safety lighting is mandatory for traffic areas.



Solutions:

- Licross Opal
- Silica 21 Opal
- Round 21
 Lunis 21
- Siluette 21
- •••

Standards and regulatory requirements:

	Illum	Illuminance		Glare limitation
	E	E _m Ix		UGR
	required ¹	modified ²		
Break area	200	500	0.4	22
Staircase	150	200	0.4	25

1) Corresponds to the required minimum value according to the table in EN 12464-1.

2) The higher, modified value according to the table in EN 12464-1 must be applied if the visual conditions deviate from the standard conditions, e.g., for particularly demanding visual tasks, unfavorable contrast ratios, or safety-critical work areas.



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Planning your **administrative offices**.

- **VDU workstations:** Use luminaires with good contrast rendering and optimum glare control.
- Direct and indirect lighting provide uniform light and support biological light (HCL^{live}).
- Adjustable light colors (2,700 6,500 K) support the circadian rhythm and increase well-being and performance.
- Individually adaptable light caters to different needs.
- Lighting scenes allow easy adjustment to different requirements.



Solutions:

- Silica 21
- Apollon 31 Rectangular
- Licross 11

• ...

Standards and regulatory requirements:

illulli	Illuminance E _m Ix		Glare limitation
E,			UGR
required ¹	modified ²		
500	1,000	0.6	19
	E, required ¹	E _m x required ¹ modified ²	E _m Ix U ₀

Corresponds to the required minimum value according to the table in EN 12464-1.
 The higher, modified value according to the table in EN 12464-1 must be applied if the visual

conditions deviate from the standard conditions, e.g., for particularly demanding visual tasks, unfavorable contrast ratios, or safety-critical work areas.

Selected products for your **meeting and administration rooms**.

Silica 21 Eldacon P

Silica family

- Flexible: recessed, surface-mounted, pendant luminaires, various light distributions
- Efficient: 185 lm/W
- Ergonomic: glare-free (UGR ≤ 19), Tunable White, indirect light
- Future-proof: DALI-2 control
- **Sustainable:** replaceable components, easy upgrades, 70,000 h service life

Apollon 31

Apollon 31

- Flexible: recessed, surface-mounted, pendant luminaires, Multilumen
- · Efficient: 139 lm/W
- Future-proof: DALI-2 control
- Ergonomic: glare-free (UGR ≤ 19)
- Sustainable: 50,000 h service life

Siluette 21

Siluette 21

- Flexible: different sizes, Multilumen, various colors
- · Efficient: 147 Im/W
- Future-proof: integrable HF sensor
- Sustainable: 100,000 h service life



Round 21

- Flexible: wall and ceiling light, various sizes and colors, Multilumen
- Efficient: 147 Im/W
- Ergonomic: indirect light, Tunable White
- Future-proof: DALI-2 control
- Sustainable: 50,000 h service life

Lunis 21

Lunis 21

- Flexible: Replaces downlights (Ø 68 265 mm),
 5 optics, Multilumen
- Efficient: 185 lm/W
- **Ergonomic:** glare-free (UGR \leq 19), Tunable White
- Future-proof: DALI-2 control
- Sustainable: replaceable components, easy upgrades, 50,000 h service life

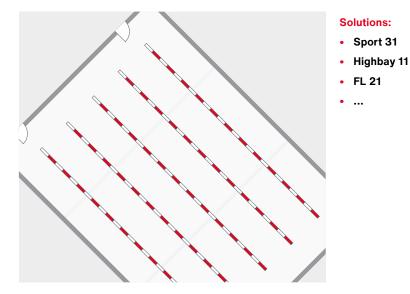
Licross family

- **Flexible:** various inserts and light distributions, easy expansion, Wi-Fi, audio, video
- Efficient: 209 Im/W
- **Ergonomic:** glare-free (UGR \leq 19), Tunable White
- Future-proof: DALI-2 control, 14 cores
- **Sustainable:** replaceable components, easy upgrades, 100,000 h service life



Planning your **sports halls**.

- Ball-proof luminaires protect athletes and lighting from damage.
- Flexible lighting control adapts the light level to the type of sport and use; areas can be switched separately.
- Flat lights prevent glare during overhead sports.
- **Neutral white light** (4,000 K) with good color rendering ensures optimum visibility.
- Uniform illumination eliminates dark zones.



Standards and regulatory requirements:

	Illuminance		Uniformity	Glare limitation
	E _m Ix		Uo	UGR
	required ¹	modified ²		
Sports hall school sports	300	500	0.6	22
Sports hall regional competition e.g. Badminton	500 according to EN 12193		0.4	

Corresponds to the required minimum value according to the table in EN 12464-1.
 The higher, modified value according to the table in EN 12464-1 must be applied if the visual conditions deviate from the standard conditions, e.g., for particularly demanding visual tasks, unfavorable contrast ratios, or safety-critical work areas.





Selected products for your **sports halls**.

```
Sport 31
```

Sport 31

- Flexible: lumen packages for every ceiling height
- · Efficient: 137 Im/W
- **Ergonomic:** glare-free (UGR \leq 22)
- Future-proof: DALI-2 control
- Sustainable: 100,000 h service life





Highbay 11

- **Flexible:** various light distributions, sizes, and mounting options, for heights from 6 to 30 m
- Efficient: 211 lm/W
- **Ergonomic:** glare-free (UGR ≤ 22), ball-proof
- Future-proof: DALI-2 control
- **Sustainable:** 50 % lighter than others, replaceable components, easy upgrades, 100,000 h service life

Lighting for outdoor spaces.





Light that **supports** education.

Light for the entire campus – from sports facilities to sidewalks and parking lots.

Uniform, glare-free, and eco-friendly lighting. With intelligent control, the lighting adapts flexibly to usage and time of day, reducing energy consumption and light pollution.

Unforgettable sporting events, a safe atmosphere throughout the campus, and reduced energy costs.

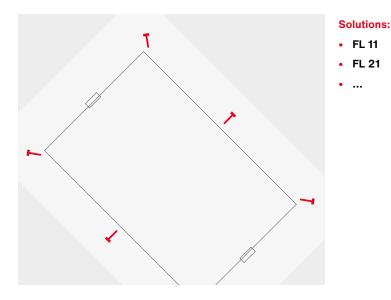
A quantum leap for your campus.

Areas of application:

- Sports fields
- Sidewalks
- Parking lots

Planning your **sports fields**.

- **Uniform, glare-free illumination:** For a safe sporting environment and an inspiring atmosphere.
- **Preventing light pollution:** Precise light control reduces light spill and protects the environment.
- **Flexibility:** Intelligent control adjusts the light to usage and time of day, reducing energy consumption.
- **Emergency lighting:** Uniform, glare-free illumination of access routes, stairs, and spectator areas.



Standards and regulatory requirements:

	Illuminance	Uniformity	Glare limitation
	$E_{h,av}$ X	$E_{h,min}$ / $E_{h,av}$	GR
	required ¹		
School sports field (class III)	75	0.5	55

1) Complies with EN 12193.

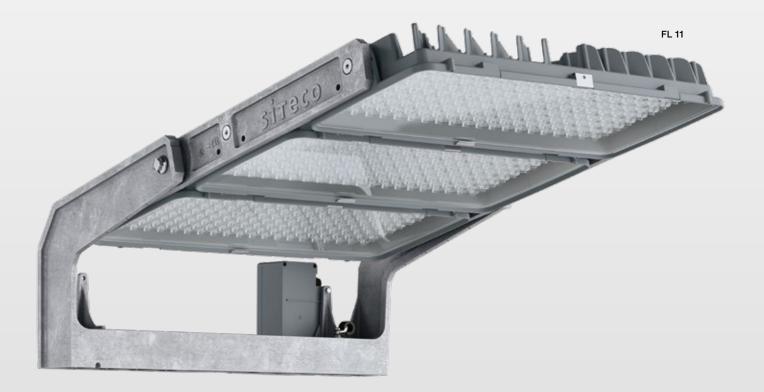




Selected products for your **sports fields**.

FL 11

- **Flexible:** various light distributions, sizes, and mounting options, 360° rotatable modules
- Efficient: 144 lm/W, precise light control
- Future-proof: DALI-2/DMX-RDM control
- **Sustainable:** < 1% light pollution, insectfriendly, replaceable components, easy upgrades, 100,000 h service life



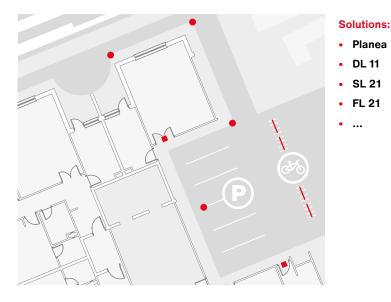


FL 21 iQ

- **Flexible:** various light distributions, sizes, and mounting options
- Efficient: 150 lm/W, precise light control
- Future-proof: smart interface, iQ control unit
- **Sustainable:** replaceable components, easy upgrades, 100,000 h service life

Planning your **outdoor areas**.

- **Highlight danger spots:** Illuminate driveways, stairs, and emergency exits.
- **Increase safety:** Properly illuminate parking lots and pathways.
- Weather resistance: Only use high-quality, weatherproof luminaires.
- **Orientation:** Colored lighting helps differentiate between areas.



Standards and regulatory requirements:

	Illuminance	Uniformity	Glare limitation
	E _m Ix	Uo	UGR
	required ¹		
Outdoor parking lot	20	0.25	-
Outdoor sidewalk	5	0.25	-

1) Complies with EN 12464-2.





Selected products for your **outdoor areas**.



FL 21 iQ

- Flexible: various light distributions, sizes, and mounting options
- Efficient: 150 lm/W, precise light control
- Future-proof: smart interface, iQ control unit
- **Sustainable:** replaceable components, easy upgrades, 100,000 h service life



SL 21 iQ

SL 21 iQ

- · Flexible: different sizes and light distributions
- Efficient: 160 lm/W
- · Future-proof: smart interface, iQ control unit
- Sustainable: insect-friendly, 0 % light pollution, replaceable components, easy upgrades, 100,000 h service life

Canna

- Flexible: different sizes and light distributions
- · Efficient: precise illumination
- Future-proof: Smart Interface, DALI-2 control
- **Sustainable:** insect-friendly, minimal light spill, 100,000 h service life

DL 11 iQ

- **Flexible:** various light distributions and mounting options
- Efficient: 160 lm/W, precise light control with silver coating
- Future-proof: Smart Interface, iQ control unit
- **Sustainable:** < 1% light pollution, insectfriendly, replaceable components, easy upgrades, 100,000 h service life

Planea

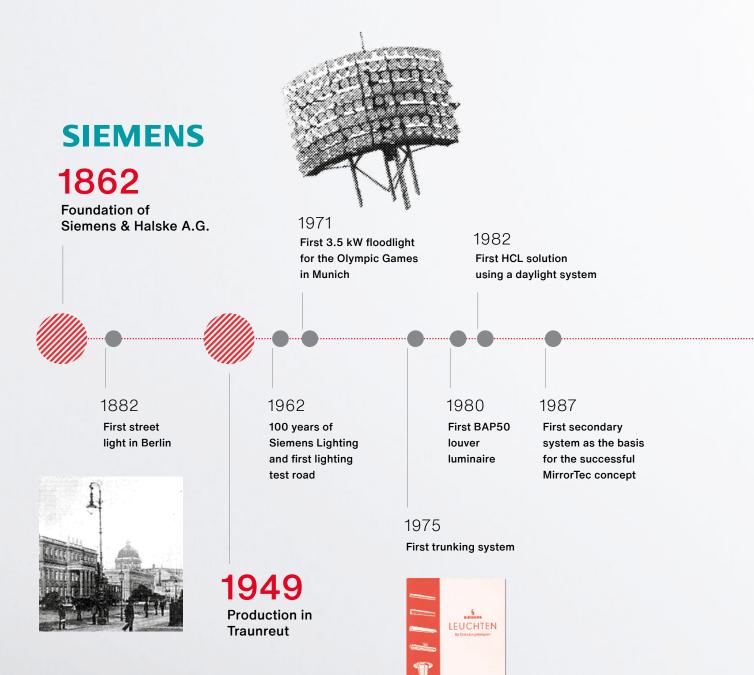
Planea

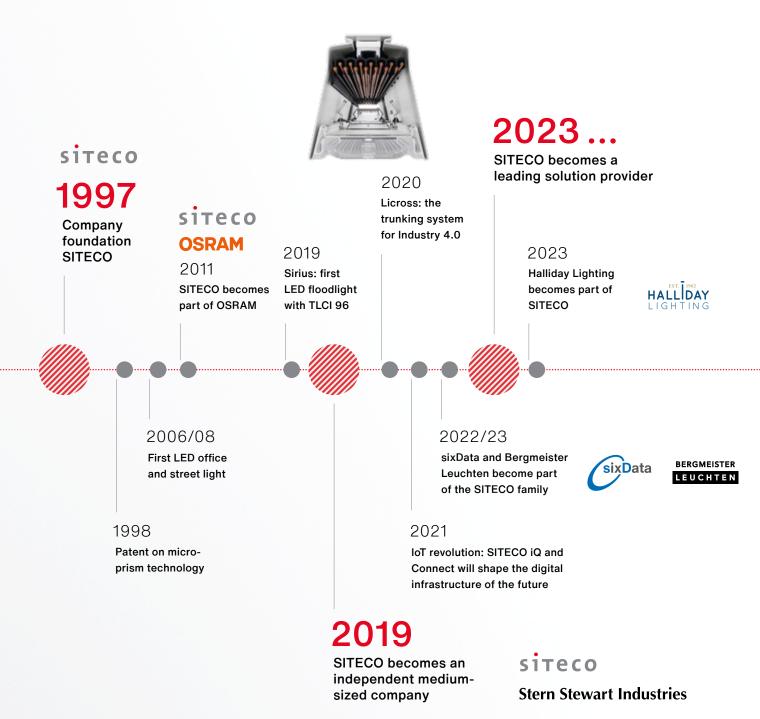
- **Flexible:** bollard and mast luminaires for streets, squares, and pathways
- Efficient: precise illumination
- Future-proof: Smart Interface, DALI-2 control
- **Sustainable:** insect-friendly, minimal light spill, 100,000 h service life



Canna

Outstanding lighting solutions for over 160 years.





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More about our lighting solutions for the education of tomorrow.





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SITECO Croatia

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