

siteco

Made in
Traunreut

Silica 21

One family. Unlimited potential.

Silica 21

One family.

Unlimited potential.

Silica 21 is a versatile and customizable luminaire family with a consistent, elegant, and timelessly modern design language. Two optical technologies, four designs, and all standard mounting options offer you full design freedom.

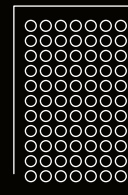
Silica – A quantum leap in office lighting.



Optics.



Shadow



Prismatic

Design options.



Linear



Rectangular



Square



Round

Mounting options.



surface mount



recessed



pendant



floor

Light colors.



2,700 – 6,500 K*
Tunable White

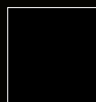


3,000 K*



4,000 K*

Housing colors.



black



silver



white



upon request

Controls.



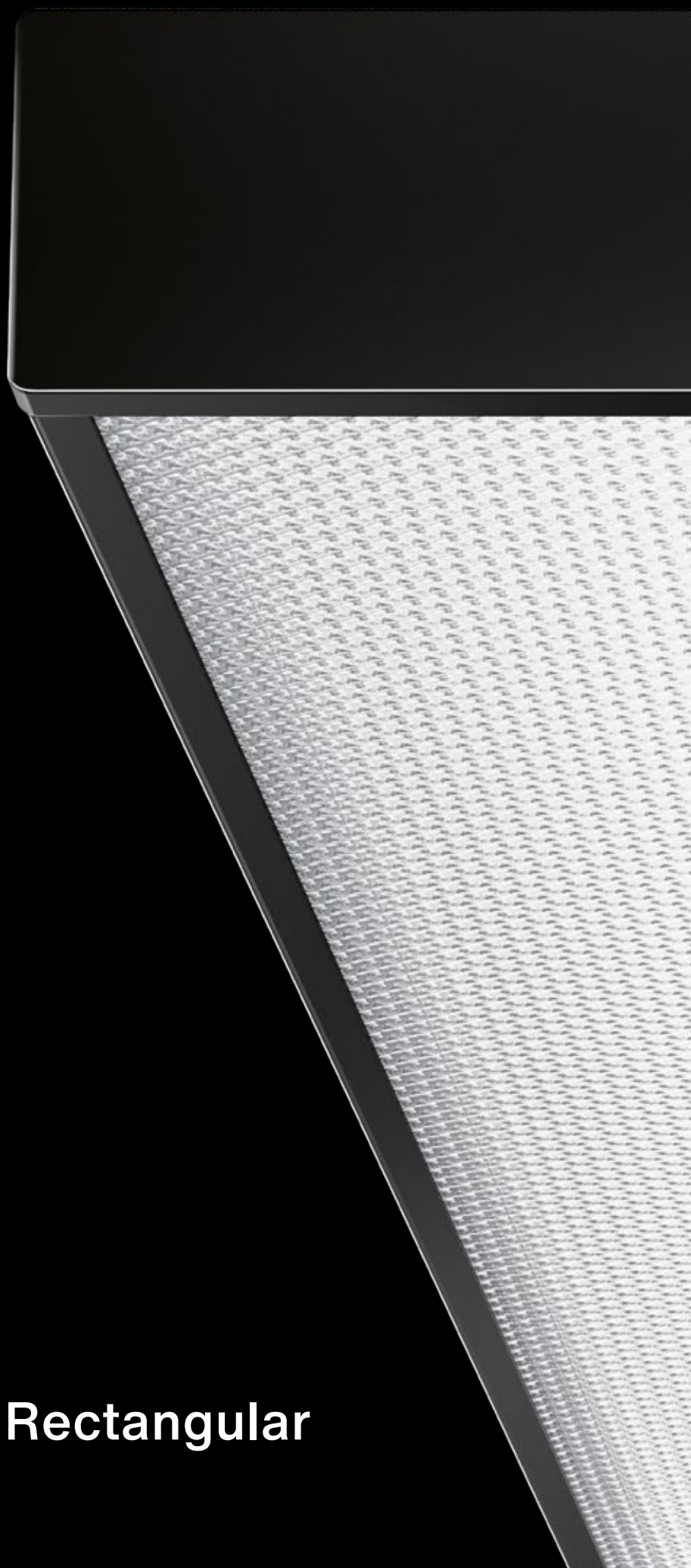
Presence
sensor



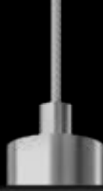
DALI 2



Multilumen



Silica Prismatic Rectangular



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Silica Shadow Linear



Lighting technology. Two lenses – no compromises.

Shadow

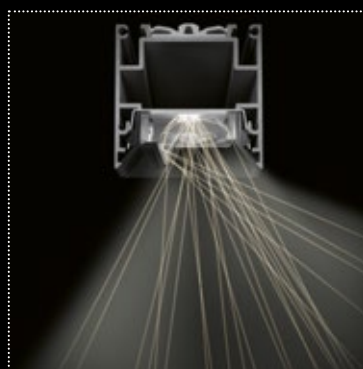
A visible reflector and modular lens elements of the Shadow optic ensure targeted light distribution. For maximum flexibility from narrow to asymmetrical beams and precise light from every angle.



Narrow beam



Wide beam



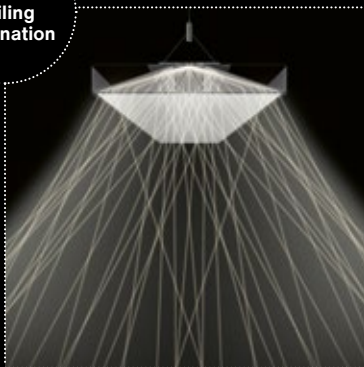
Asymmetrical

Prismatic

The Prismatic optic with a microprismatic diffuser ensures harmonious light distribution, perfect glare control, and high flexibility with distributions from wide to extremely wide beams.



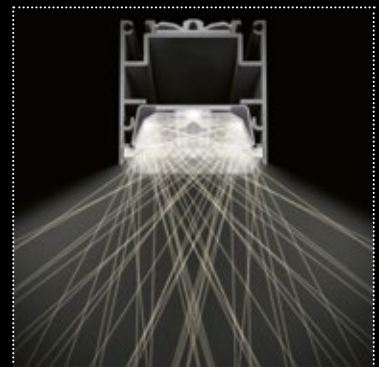
Optional
Ceiling
illumination



Wide beam
(Rectangular)



Wide beam



Extremely wide beam

Direct / indirect lighting options available.

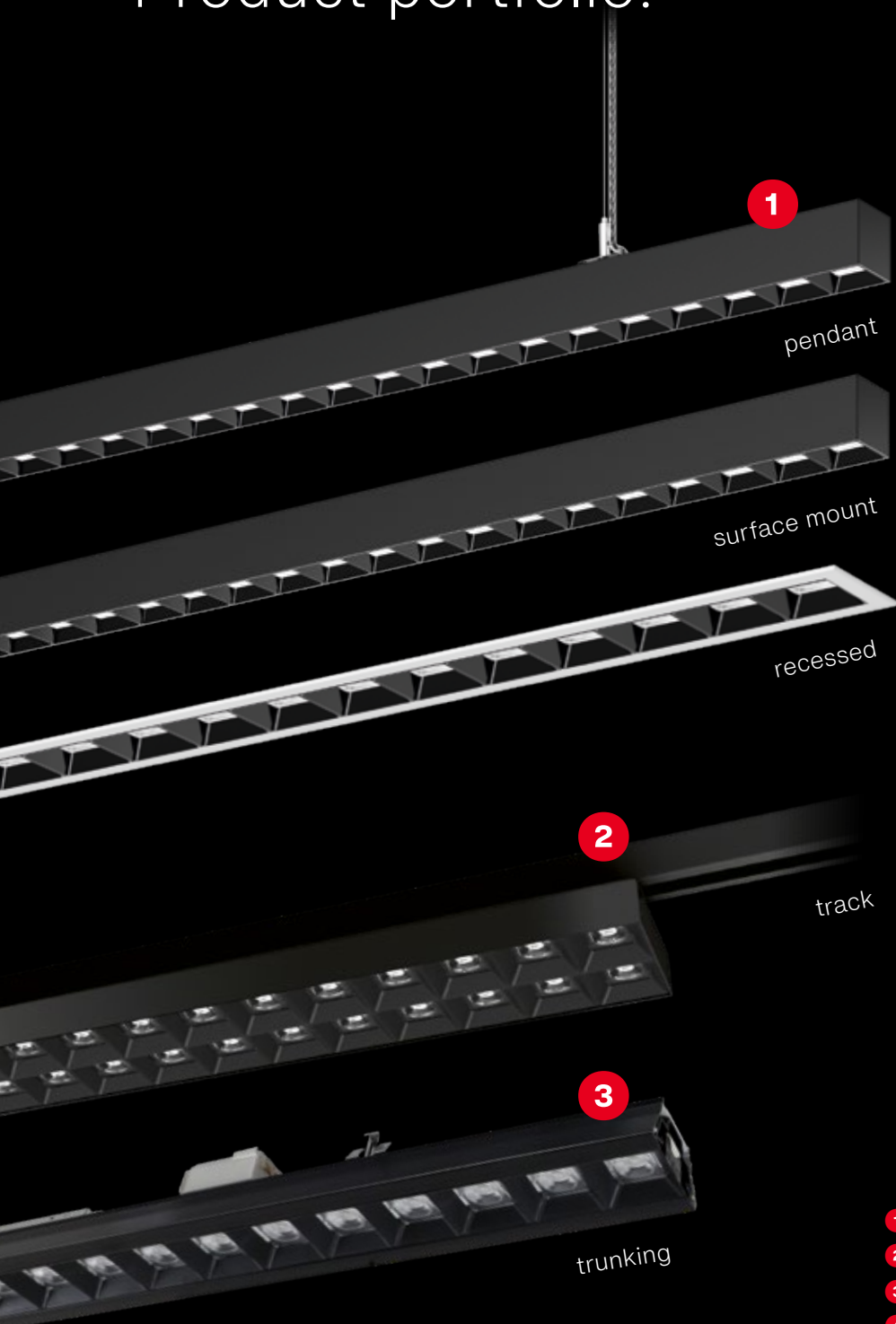




Product: Silica 21 Prismatic Rectangular Floor

Shadow

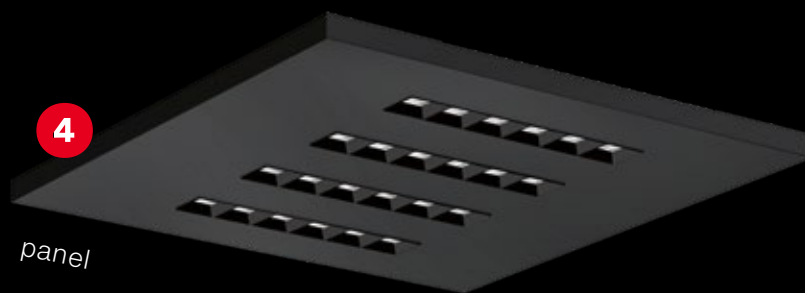
Product portfolio.



- 1 Silica Shadow Linear
- 2 Silica Shadow 3-Phase Track
- 3 Silica Shadow light insert for Licross
- 4 Silica Shadow Square
- 5 Silica Shadow Downlight
- 6 Silica Shadow Linear Floor

Housing colors:





Flexible

A wide range of mounting options and light distributions, a modular design concept, Tunable White, and $UGR \leq 19$.

Efficient

Maximum energy efficiency of up to 185 lm/W – for reduced operating costs and a short payback period.

Sustainable

Replaceable components, simple upgrades, up to 100,000 hours of service life, DALI-2 control.

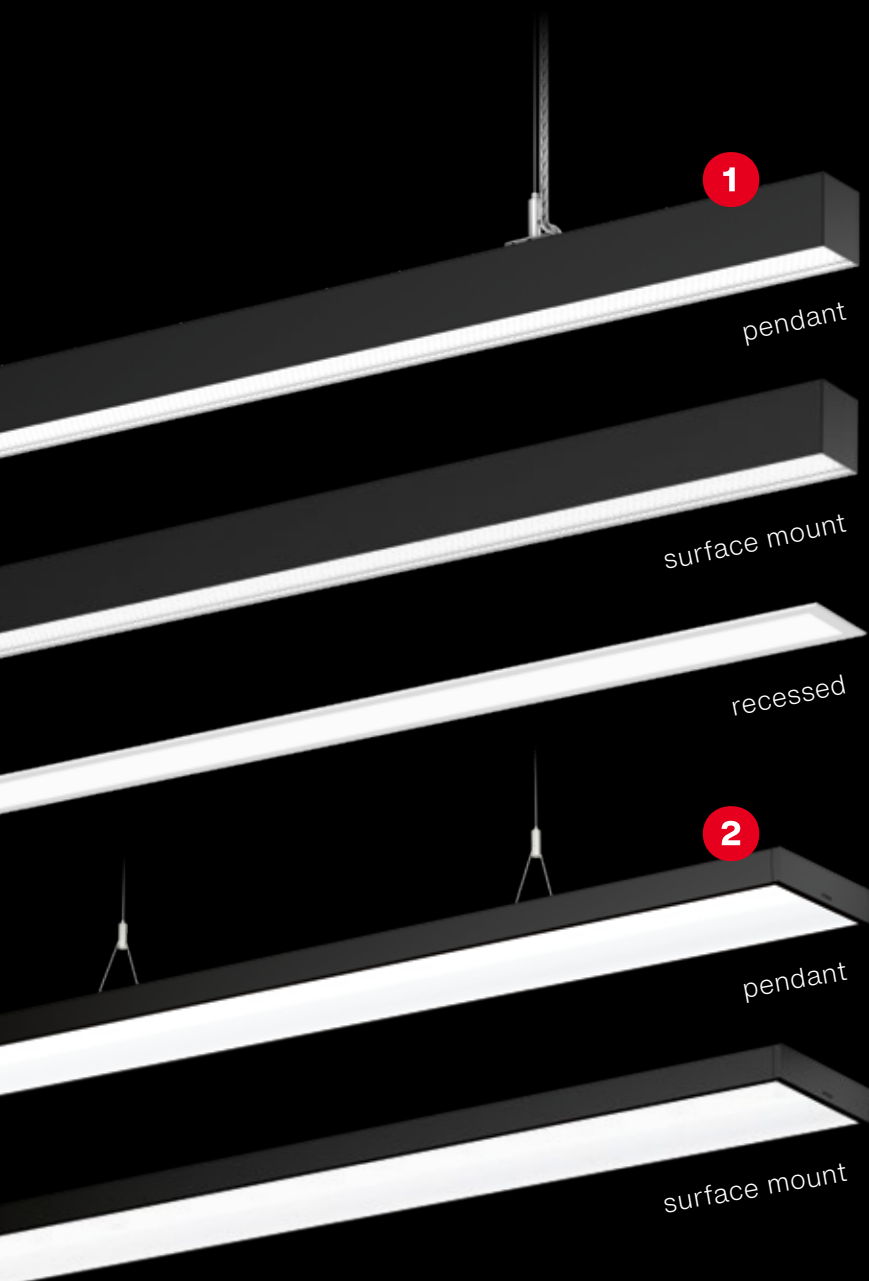




Product: Silica 21 Shadow Linear Recessed

Prismatic

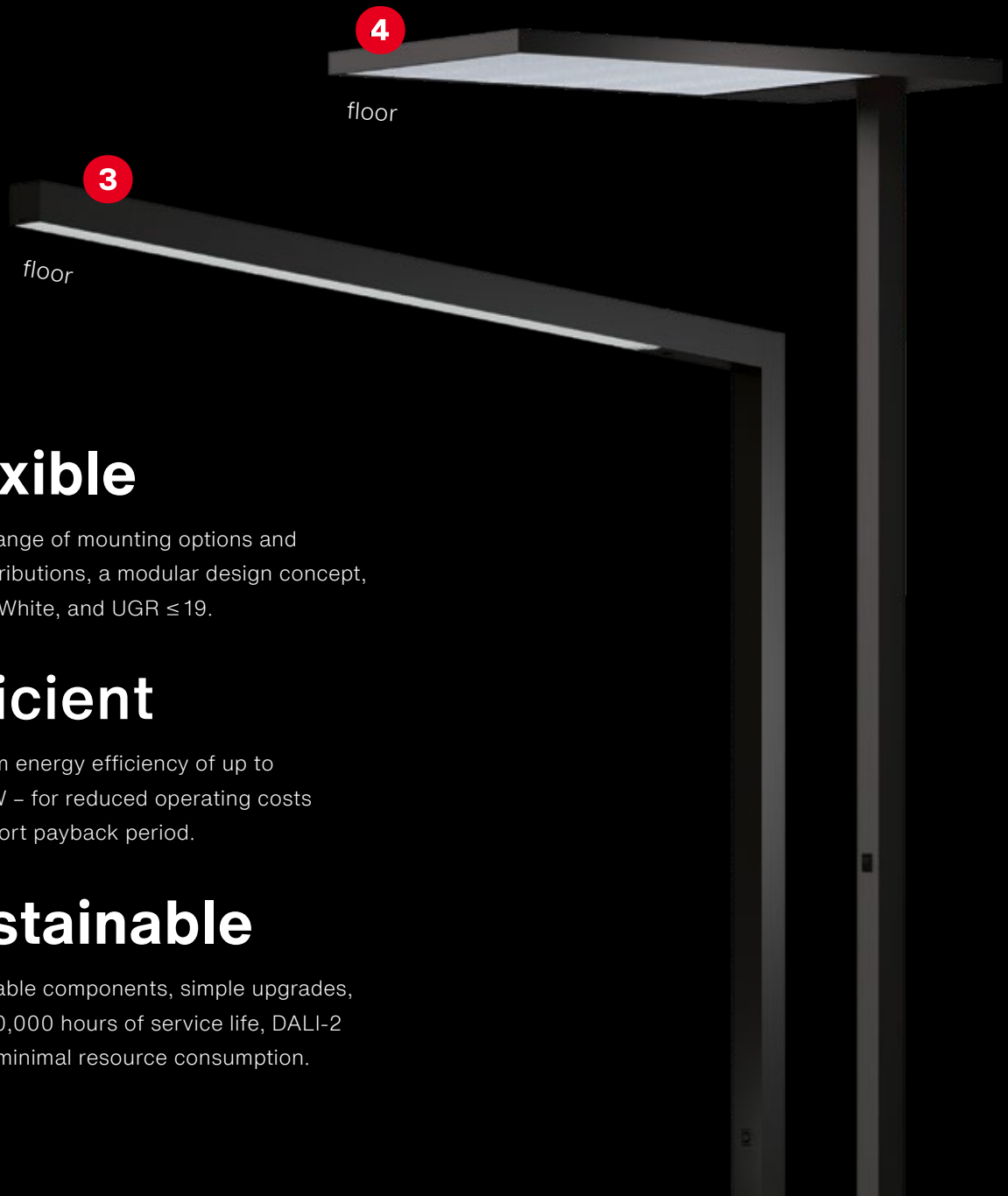
Product portfolio.



- 1 Silica Prismatic Linear
- 2 Prismatic Rectangular Silica
- 3 Silica Prismatic Linear Floor
- 4 Silica Prismatic Rectangular Floor

Housing colors:





Flexible

A wide range of mounting options and light distributions, a modular design concept, Tunable White, and $UGR \leq 19$.

Efficient

Maximum energy efficiency of up to 180 lm/W – for reduced operating costs and a short payback period.

Sustainable

Replaceable components, simple upgrades, up to 100,000 hours of service life, DALI-2 control, minimal resource consumption.





Product: Silica 21 Prismatic Linear Surface Mount



Product: Silica 21 Prismatic Rectangular Pendant



Flexible and modular. Designed to fit every application.

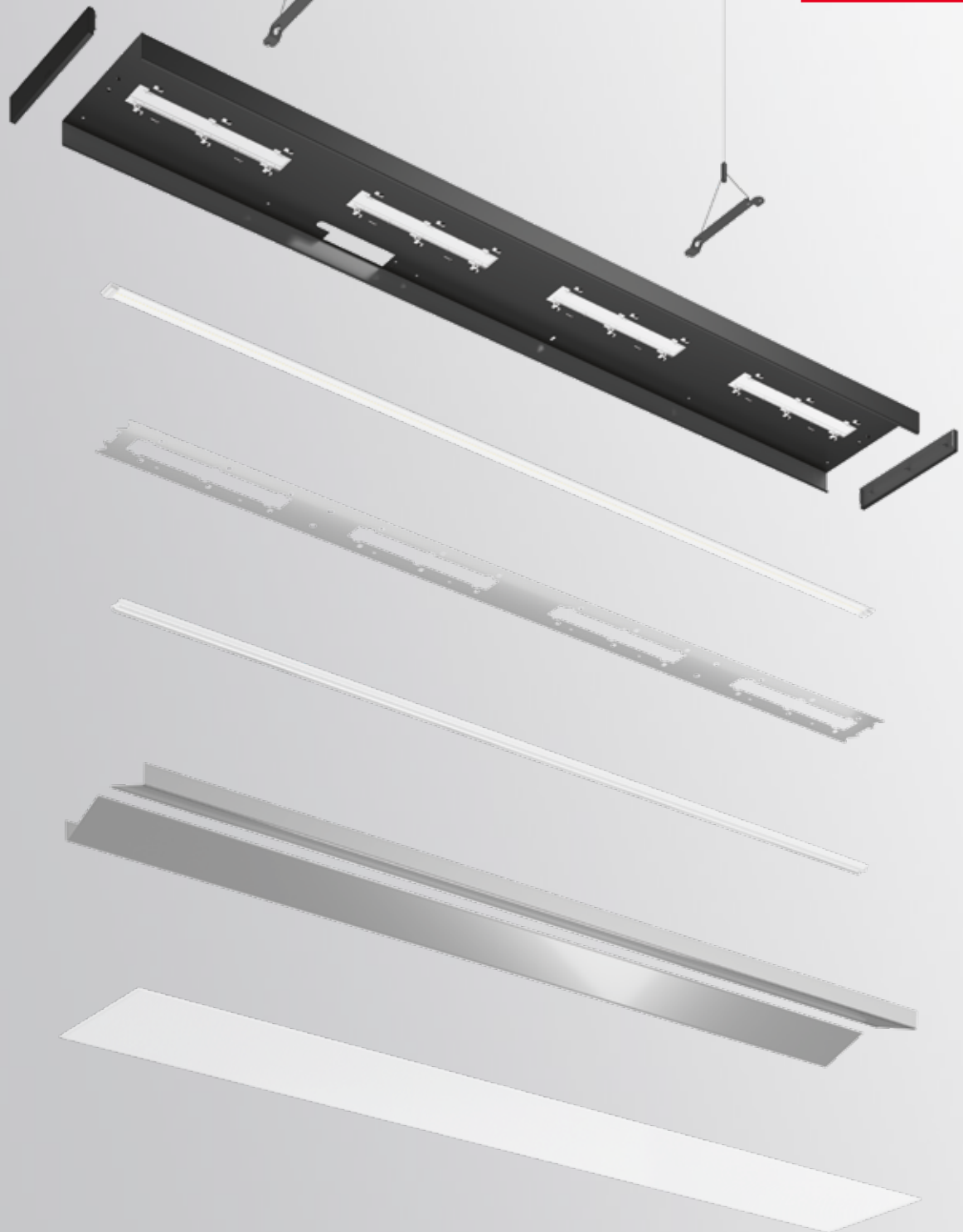
Made in Traunreut, stands for modularity at its highest level. Our unique level of in-house development and manufacturing allows the customization of all luminaire components: electronics, optics, shape, and color.

Whether a new build, refurbishment, or custom solution – we push the boundaries of flexibility and sustainability for your project.

Quantum leap flexibility.



Made in
Traunreut



100 % customizable.

100 % sustainable.





Product: Silica 21 Shadow Linear Pendant

Efficient. Pays off immediately .

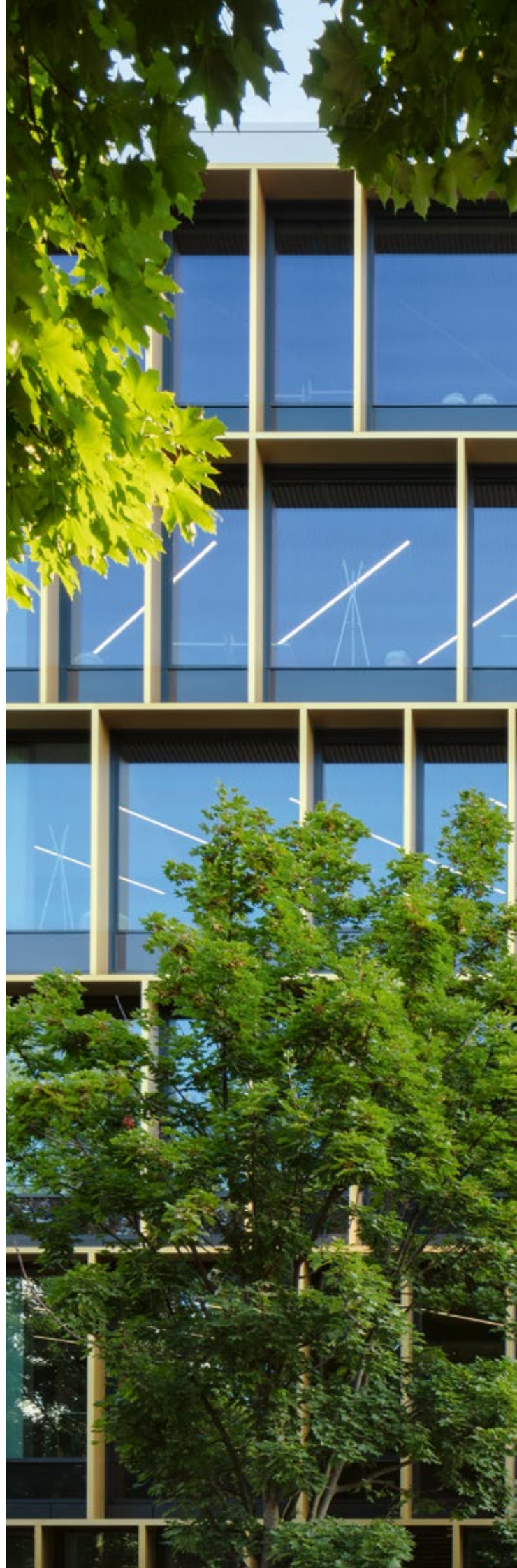
Up to 185 lm/W enable unmatched savings and minimal operating costs.

Even when upgrading first-generation LED luminaires to the latest LED technology, the switch pays off immediately.

Quantum leap efficiency.

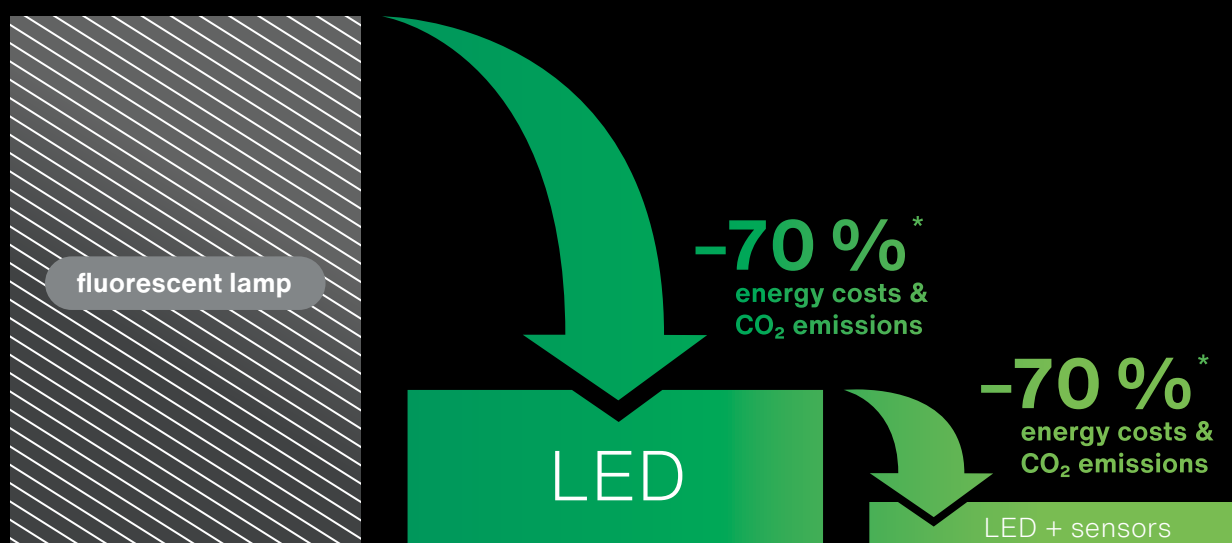
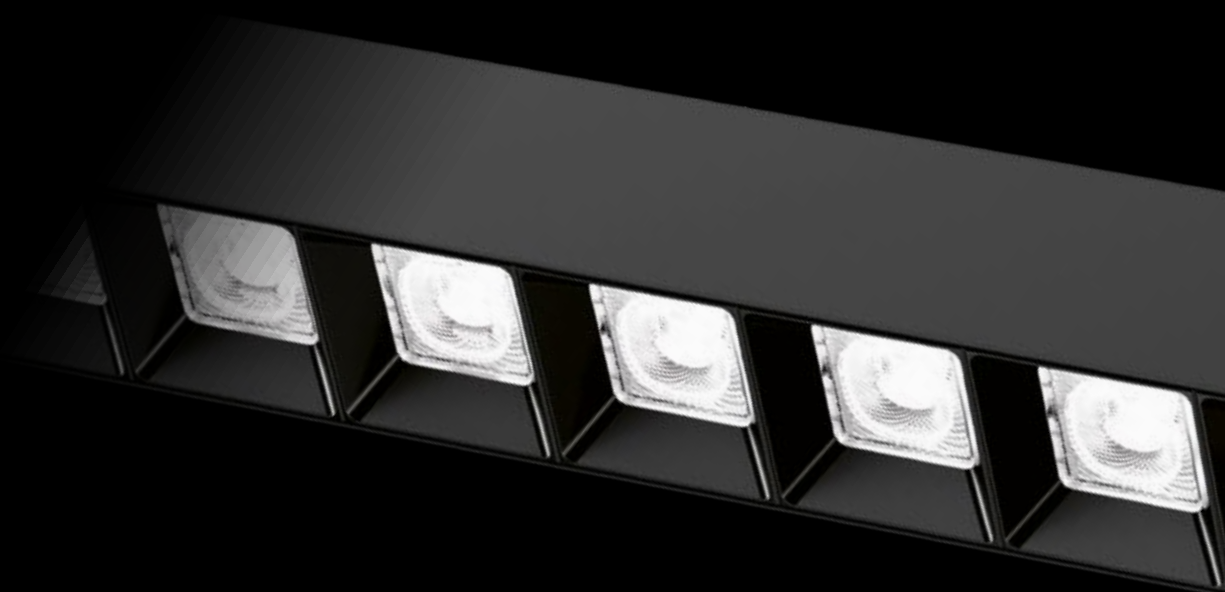
Up to
80 %
less CO₂ and energy costs

Approx.
2 year
payback period





Intelligent sensor technology for maximum savings.



*Savings depend on application and user behavior.

Learn
more:



• **Highly efficient.**

Presence and daylight control for maximum energy and CO₂ savings.

• **Maximum flexibility.**

Fully scalable and tailored to your needs.

• **Future-proof.**

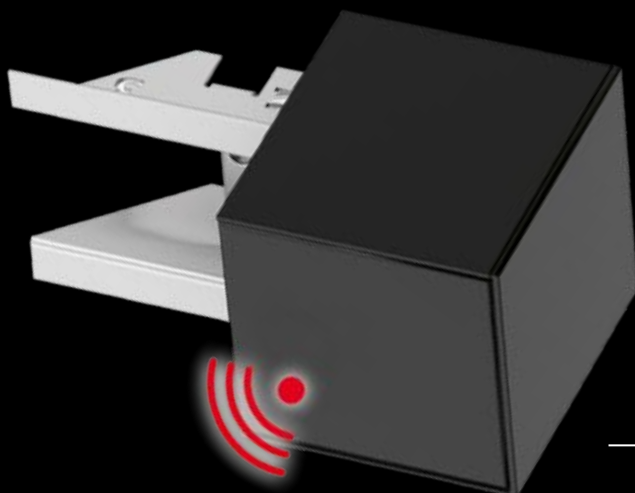
Flexible adaptation to changes in use (e.g. modified room layouts or furnishings).

• **Full freedom of design.**

With open standards, wireless or wired control for refurbishments and new buildings, and seamless integration with modern lighting and building management systems, GEG and EPBD requirements can be met.

• **Casambi-ready:**

The luminaires are Casambi-ready and are available either as a Casambi version or as sensor version with integrated light and presence sensors.



Sustainable. Consistently implemented in Traunreut.

Sustainability is a standard we live by.

Made in Traunreut stands for short supply chains, measurably lower resource consumption, and clear responsibility.

From development to electronics manufacturing, everything takes place on site at our facility near Lake Chiemsee in Bavaria – developed and manufactured with a clear commitment to sustainability. This also allows us to operate independently and respond quickly to customer needs.

Quantum leap sustainability.

100 % In-house development
and local manufacturing

100 % Customizability
and replaceability



Made in

Traunreut





Innovation.
Sustainability.

Made in

Traunreut

Holistic luminaire development and manufacturing from Traunreut:
optics, mechanics, thermal design, and control electronics perfectly integrated.
Our in-house electronics manufacturing enables us to implement individual
customer requirements quickly and with outstanding quality.

> 60,000 m²
production area

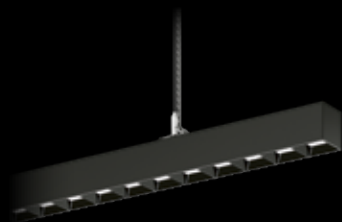
2 days
production time for
custom LED modules.

> 1,000
employees

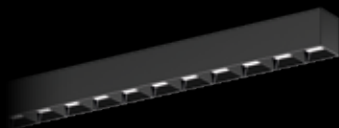
CLO 2.0, Human Centric Lighting, a globally unique silver coating.
We stand for more than 200 patented lighting technologies –
developed and implemented in Traunreut.



Silica 21 at a glance. Shadow.



Silica 21 Shadow
Linear Pendant



Silica 21 Shadow
Linear Surface Mount



Silica 21 Shadow
Linear Recessed

Technical specifications

Luminous flux: up to 21,890 lm

Power: up to 138 W

Luminous efficacy: up to 181 lm/W

Service life: 70,000 hours (L80)

Light distribution: narrow beam,
wide beam, wall washer

Technical specifications

Luminous flux: up to 12,960 lm

Power: up to 93.4 W

Luminous efficacy: up to 185 lm/W

Service life: 70,000 hours (L80)

Light distribution: narrow beam,
wide beam, wall washer

Technical specifications

Luminous flux: up to 12,960 lm

Power: up to 87.8 W

Luminous efficacy: up to 185 lm/W

Service life: 70,000 hours (L80)

Light distribution: narrow beam,
wide beam, wall washer

Applies to all Linear and Square variants:

Optical concept: Darklight reflector made of PMMA

Light colors: Tunable White | 3,000 K | 4,000 K

UGR: ≤ 19

Color rendering index: CRI ≥ 80

Driver: DALI 2 | DALI DT8

Mounting: suspended | recessed | surface-mounted | continuous row configuration available

Areas of application: Individual and open-plan offices, conference and meeting rooms, reception areas and foyers, corridors and circulation areas, home offices, creative spaces, lounges, technical workstations

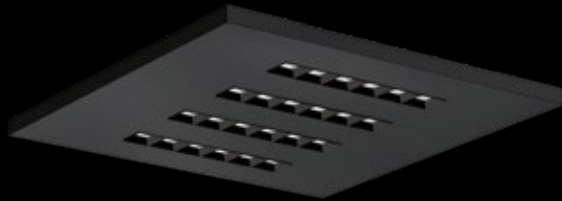


Linear



Square

Types,
data sheets,
configuration –
everything at
a glance.



Silica 21 Shadow
Square Recessed

Technical specifications

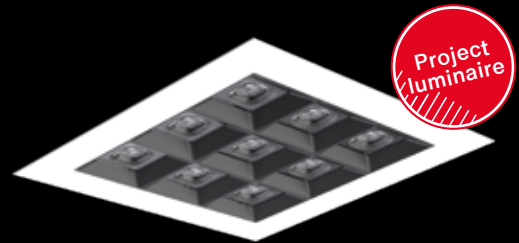
Luminous flux: up to 4,600 lm

Power: up to 32.8 W

Luminous efficacy: up to 170 lm/W

Service life: 70,000 hours (L85)

Light distribution: wide beam

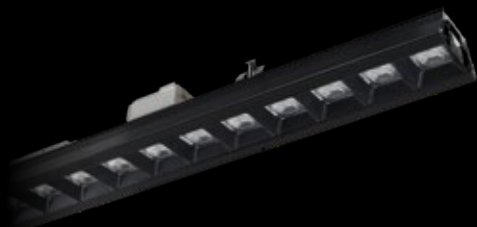


Silica 21 Shadow
Linear Downlight

Technical specifications

Available upon request

Silica 21 at a glance. Shadow.



Silica 21 Shadow
for Licross

Technical specifications

Luminous flux: up to 6,340 lm

Power: up to 39 W

Luminous efficacy: up to 178 lm/W

Service life: 75,000 hours (L80)

Light distribution: wide beam

Applies to all Licross variants:

Optical concept: Darklight reflector made of PMMA

Light colors: 4,000 K, 5,000 K, 6,000 K, 7,000 K

UGR: ≤ 19

Color rendering index: CRI ≥ 80

Driver: DALI 2

Mounting: Plug-in installation in the Licross® mounting rail



Silica 21 Shadow
for Modario

Technical specifications

Luminous flux: up to 6,710 lm

Power: 38 W

Luminous efficacy: up to 177 lm/W

Service life: 70,000 hours (L80)

Light distribution: medium, double asymmetrical

Valid to all Modario 31 variants:

Optical concept: Darklight reflector made of PMMA

Light colors: 4,000 K, 5,000 K, 6,000 K, 7,000 K

UGR: ≤ 19 | ≤ 22

Color rendering index: CRI ≥ 80

Driver: DALI 2 | ON/OFF Multilumen

Mounting: Plug-in installation in the Modario® 31 mounting rail



Licross



Modario 31



Floor luminaire

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



Silica 21 Shadow Linear Floor
Floor luminaire

Technical specifications

Luminous flux: up to 14,320 lm

Power: 106 W

Luminous efficacy: up to 167 lm/W

Service life: 50,000 hours (L85)

Light distribution: direct / indirect beam

Applies to all floor luminaire variants:

Optical concept: PMMA | Prismatic lens

Light colors: 3,000 K | 4,000 K | 5,000 K

UGR: ≤ 19

Color rendering index: CRI ≥ 80

Driver: DALI 2

Silica 21 at a glance. Prismatic.



Silica 21 Prismatic
Rectangular Pendant

Technical specifications

Luminous flux: up to 8,050 lm

Power: up to 51 W

Luminous efficacy: up to 180 lm/W

Service life: up to 100,000 hours (L85) at Tmax

Light distribution: wide beam



Silica 21 Prismatic
Rectangular Surface Mount

Technical specifications

Luminous flux: up to 5,500 lm

Power: up to 36.6 W

Luminous efficacy: up to 175 lm/W

Service life: up to 100,000 hours (L85) at Tmax

Light distribution: wide beam, wall washer

Applies to all Rectangular variants:

Optical concept: Microprismatic optics

Light colors: Tunable White | 3,000 K | 4,000 K | CRI > 80, > 90

UGR: < 19

Driver: DALI 2 | DALI DT8

Mounting: Pendant kit, single or continuous row configuration, through-wiring

Areas of application: Individual and open-plan offices, conference and meeting rooms, reception areas and foyers, corridors and circulation areas, home offices, creative spaces, lounges, technical workstations



Linear



Rectangular



Floor luminaire

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



**Silica 21 Prismatic
Linear Pendant**

Technical specifications

Luminous flux: up to 20,060 lm

Power: up to 138 W

Luminous efficacy: up to 174 lm/W

Service life: 70,000 hours (L80)

Light distribution: narrow beam,
extremely wide beam



**Silica 21 Prismatic
Linear Surface Mount**

Technical specifications

Luminous flux: up to 9,840 lm

Power: up to 62.2 W

Luminous efficacy: up to 158 lm/W

Service life: 70,000 hours (L80)

Light distribution: extremely wide beam



**Silica 21 Prismatic
Linear Recessed**

Technical specifications

Luminous flux: up to 9,840 lm

Power: up to 85 W

Luminous efficacy: up to 158 lm/W

Service life: 70,000 hours (L80)

Light distribution: extremely wide beam

Applies to all Linear variants:

Optical concept: Prismatic optics

Light colors: Tunable White | 3,000 K | 4,000 K

UGR: ≤ 19 | ≤ 22

Color rendering index: CRI ≥ 80

Driver: DALI 2 | DALI DT8

Mounting: suspended, recessed, surface-mounted, continuous row configuration available

Areas of application: Individual and open-plan offices, conference and meeting rooms, reception areas and foyers, corridors and circulation areas, home offices, creative spaces, lounges, technical workstations



**Silica 21 Prismatic Rectangular Floor
Floor luminaire**

Technical specifications

Luminous flux: 13,280 lm

Power: up to 90 W

Luminous efficacy: up to 157 lm/W

Service life: 50,000 hours (L85)

Light distribution: direct / indirect beam



**Silica Prismatic Linear Floor
Floor luminaire**

Technical specifications

Luminous flux: up to 15,000 lm

Power: up to 106 W

Luminous efficacy: up to 141 lm/W

Service life: 50,000 hours (L85)

Light distribution: direct / indirect beam

Applies to all floor luminaire variants:

Optical concept: PMMA, prism lens

Light colors: 3,000 K | 4,000 K | 5,000 K

UGR: ≤ 19

Color rendering index: CRI ≥ 80

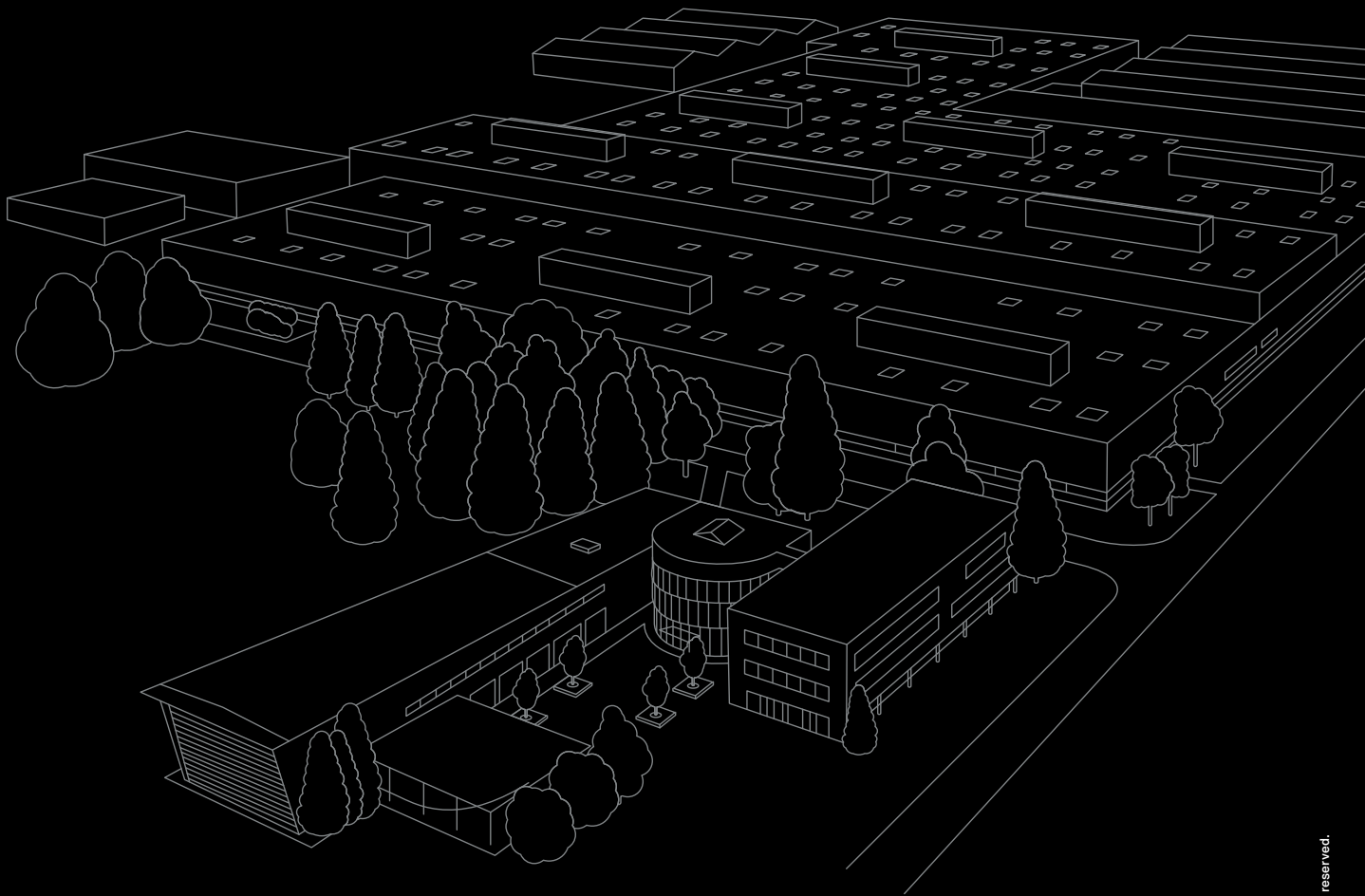
Driver: DALI 2

Quantum leap lighting solution.

Made in
Traunreut

SITECO develops lighting solutions that set standards.

Our unique combination of expertise in lighting, control, project
and operation creates solutions that are more than just light:
they are your competitive edge. For over 160 years.



Contact.

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