

siteco

Made in
Traunreut

Silica 21

One family. Unlimited potential.

Silica 21

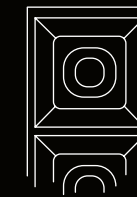
One family.

Unlimited potential.

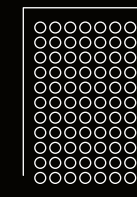
Silica 21 is a versatile and customizable luminaire family with a consistent, elegant, and timelessly modern design language. Two optical technologies, four designs, and all standard mounting options offer you full design freedom.

Silica – A quantum leap in office lighting.

Optics.



Shadow



Prismatic

Design options.



Linear



Rectangular



Square



Round

Mounting options.



surface-mounted



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

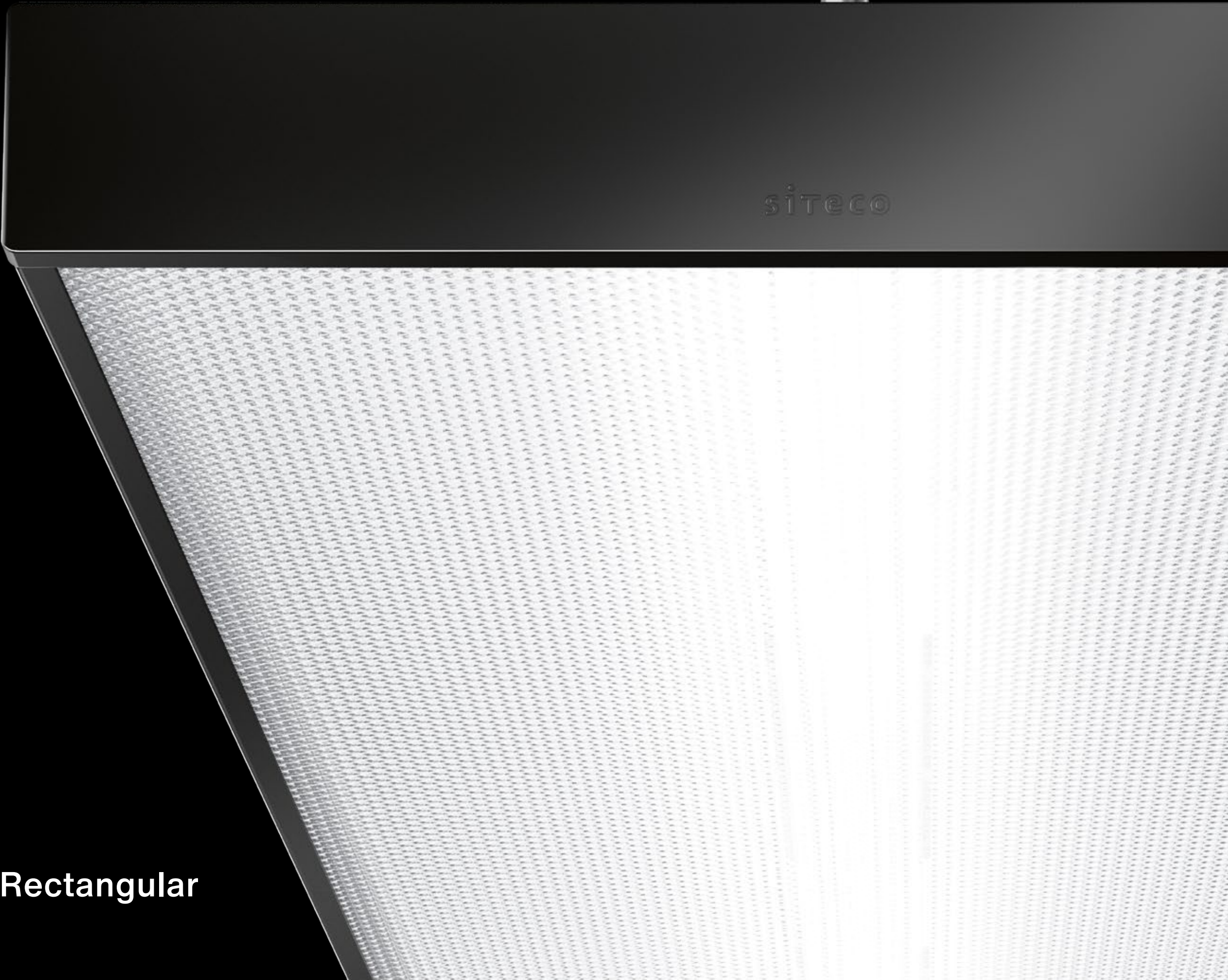


DALI 2



Multilumen

*Available in CRI 80 / CRI 90



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Silica Prismatic Rectangular



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

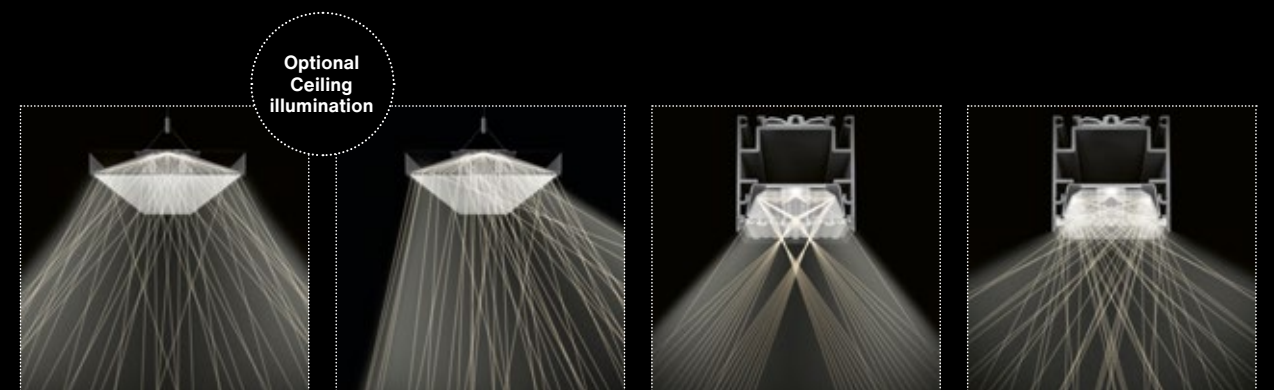
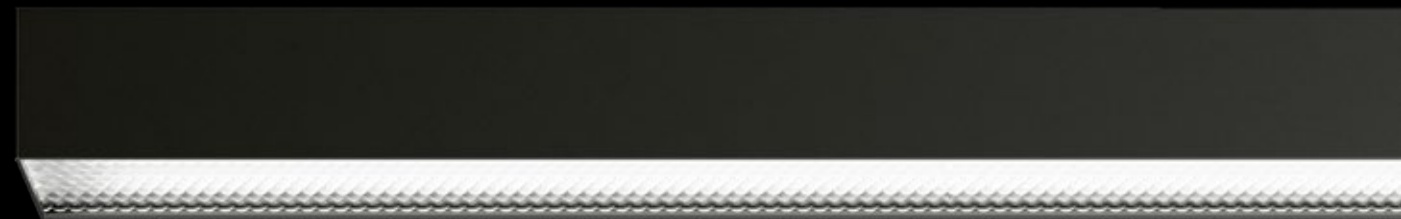
Wide beam

Asymmetrical

Direct / indirect lighting options available.

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.

Wide beam
(Rectangular)Asymmetrical beam
(Rectangular)

Wide beam

Extremely wide beam

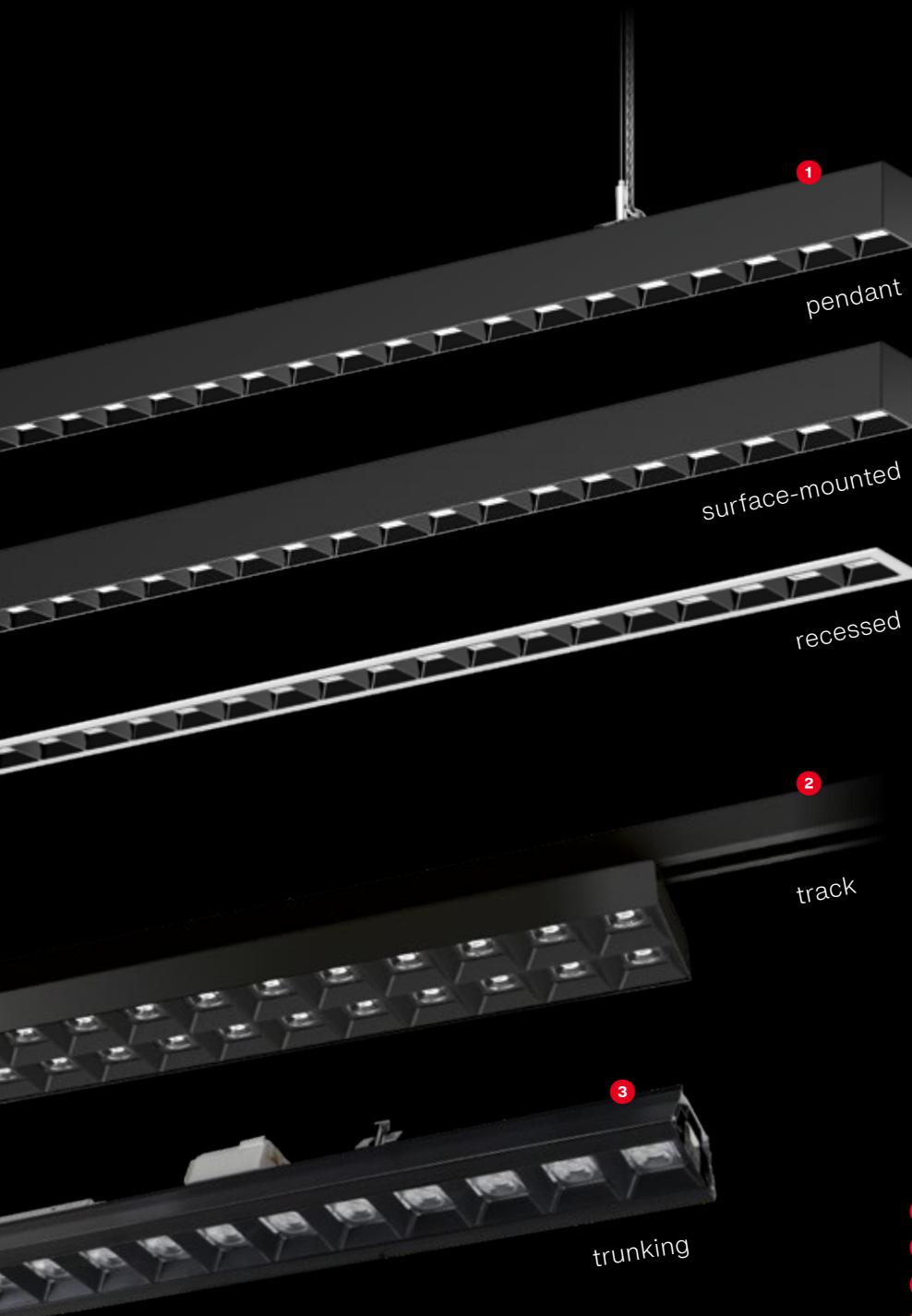
Direct / indirect lighting options available.



Product: Silica 21 Prismatic Rectangular Floor

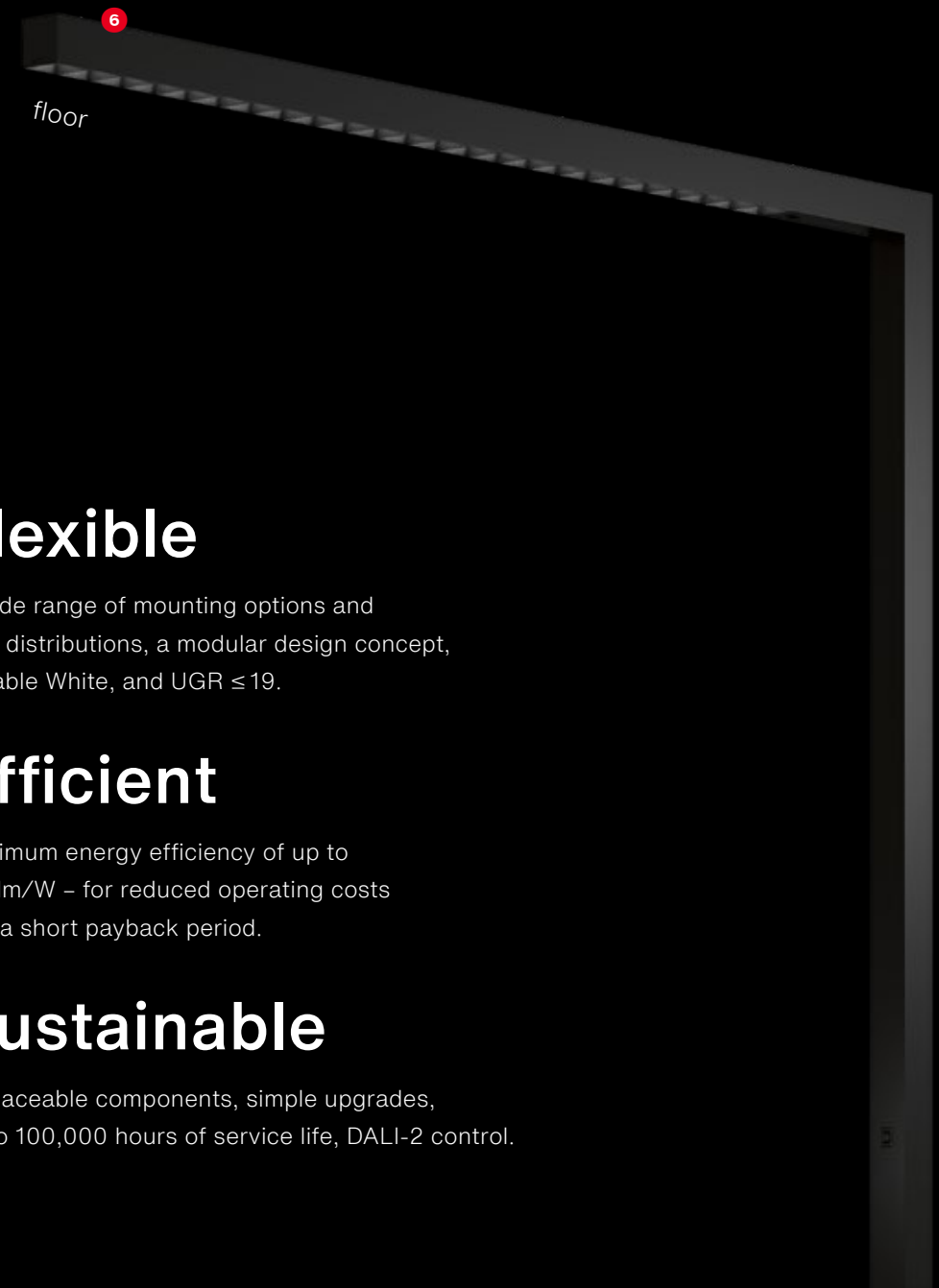
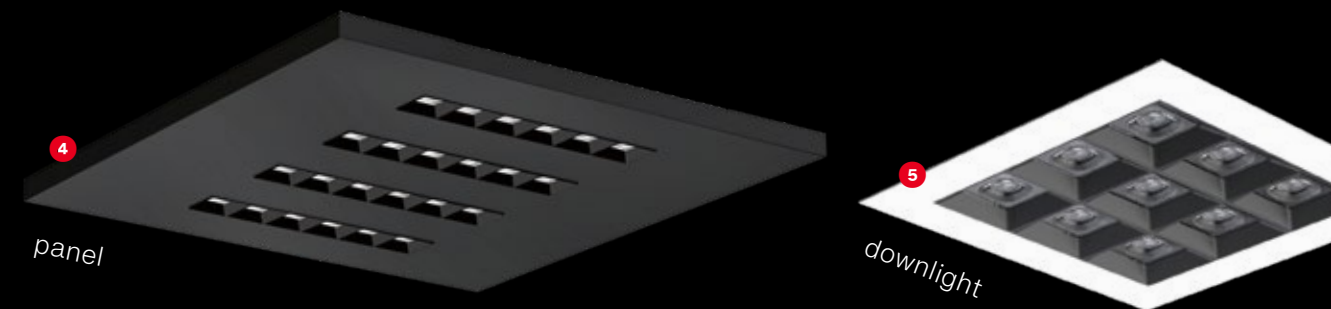
Shadow

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 ≤ 19 .

Efficient

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

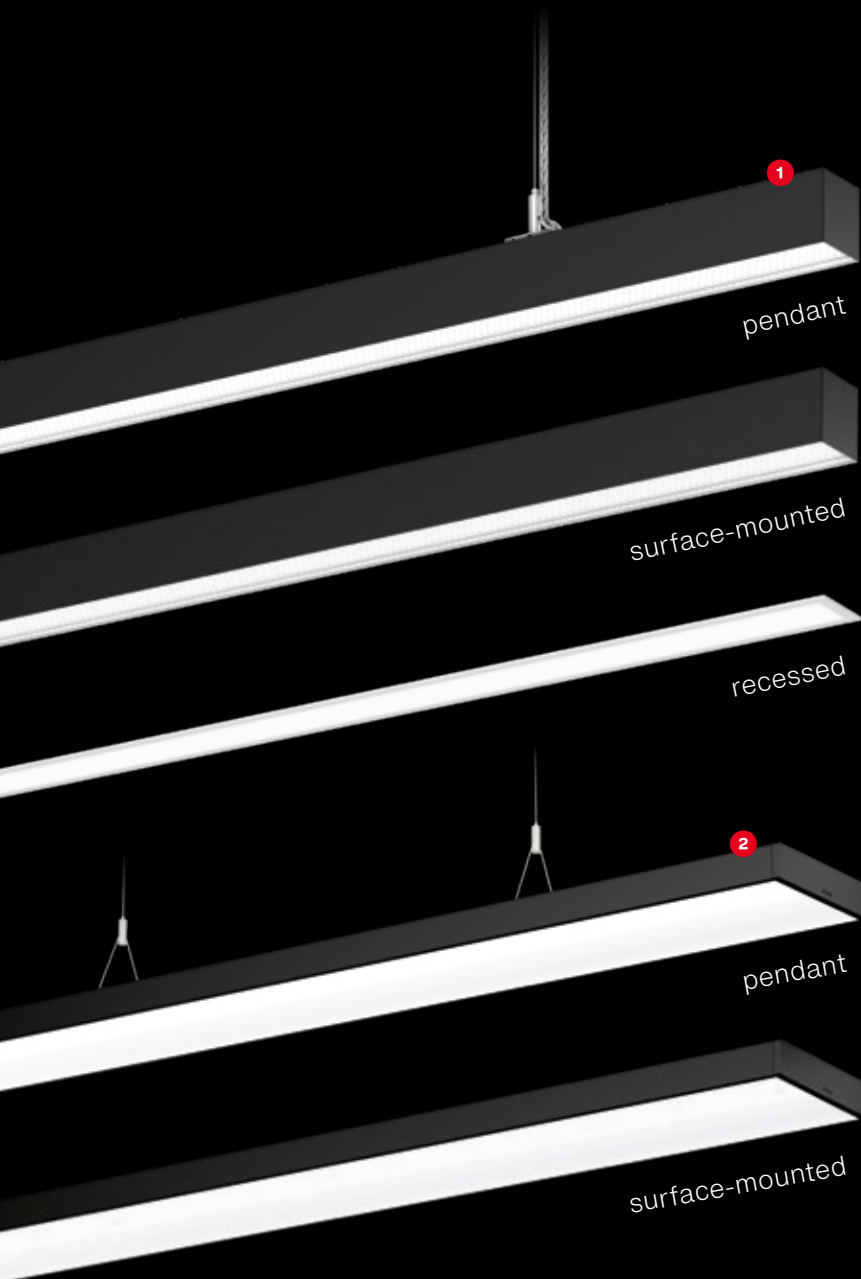
Sustainable

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 Silica Prismatic Rectangular
- 3 Silica Prismatic Round
- 4 Silica Prismatic Linear Floor
- 5 Silica Prismatic Rectangular Floor

Gehäusefarben:



Flexible

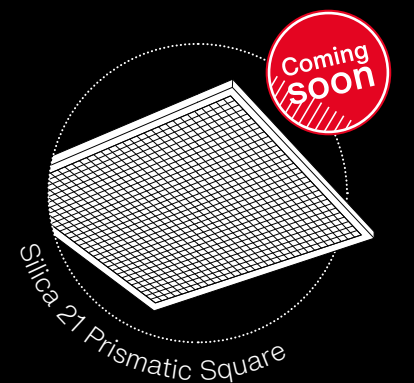
A wide range of mounting options and light distributions, a modular design concept, Tunable White, and UGR ≤ 19 .

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-mounted



Product: Silica 21 Prismatic Rectangular Pendant

Flexible and modular. Designed to fit every application.

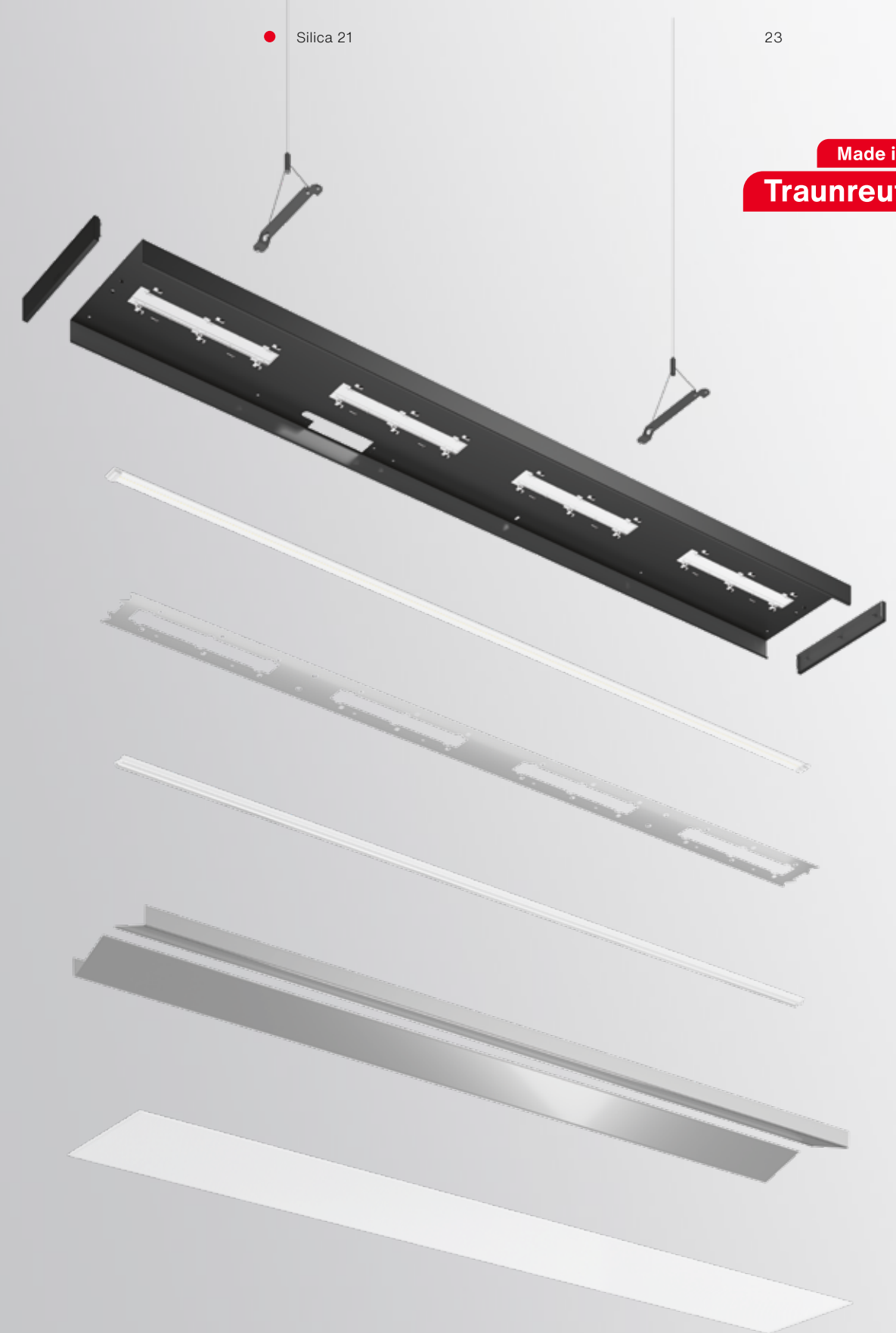
Made in Traunreut, stands for modularity at its highest level. Our unique level of in-house development and manufacturing allows the customization of all luminaire components: electronics, optics, shape, and color.

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.

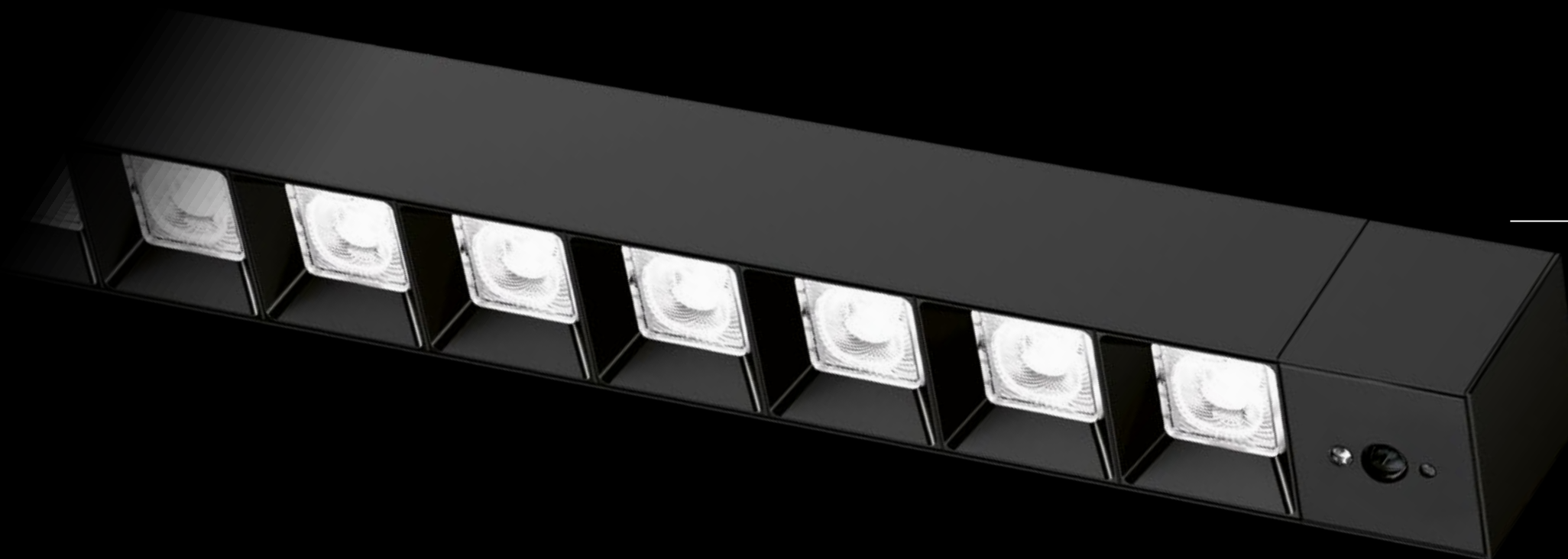
Up to **80 %**
less CO₂ and energy costs

Approx. **2 year**
payback period



Intelligent sensor technology for maximum savings.

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.

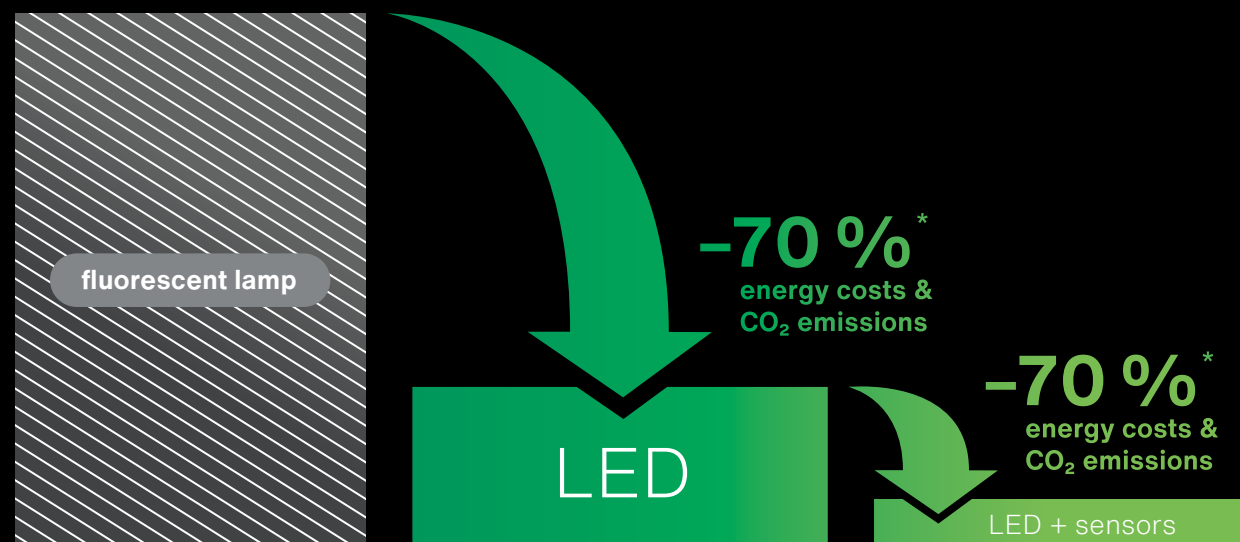
Flexible adaptation to changes in use (e.g. modified room layouts or furnishings).

Full planning flexibility.

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.



*Savings depend on application and user behavior.

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

Made in
Traunreut

Innovation. Sustainability.

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.

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.**

• **> 1.000**

employees

• **> 60.000 m²**

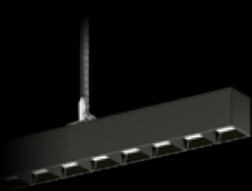
production area

• **2 days**

production time for
custom LED modules



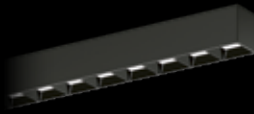
Silica 21 at a glance. Shadow.



Silica 21 Shadow
Linear Pendant

Technical specifications

Luminous flux: up to 21,890lm
Power: up to 138W
Luminous efficacy: up to 181lm/W
Service life: 70,000 hours (L80)
Light distribution: narrow beam, wide beam, wall washer



Silica 21 Shadow
Linear Surface-mounted

Technical specifications

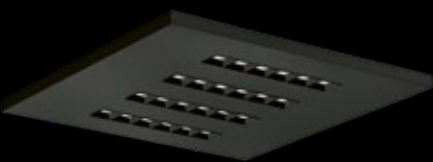
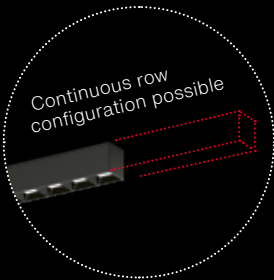
Luminous flux: up to 12,960lm
Power: up to 93.4W
Luminous efficacy: up to 185lm/W
Service life: 70,000 hours (L80)
Light distribution: narrow beam, wide beam, wall washer



Silica 21 Shadow
Linear Recessed

Technical specifications

Luminous flux: up to 12,960lm
Power: up to 87.8W
Luminous efficacy: up to 185lm/W
Service life: 70,000 hours (L80)
Light distribution: narrow beam, wide beam, wall washer



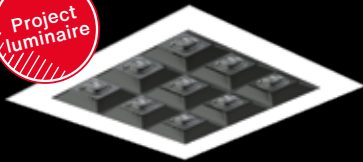
Silica 21 Shadow
Square Recessed

Technical specifications

Luminous flux: up to 4,600lm
Power: up to 32.8W
Luminous efficacy: up to 170 lm/W
Service life: 70,000 hours (L85)
Light distribution: wide beam

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
Lengths (linear): 904 to 3,604 mm
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 Shadow
Downlight

Technical specifications

Available upon request

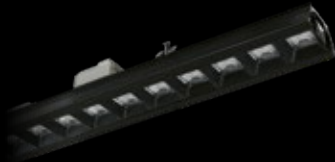
Types,
data sheets,
configuration –
everything at
a glance.



Linear



Square



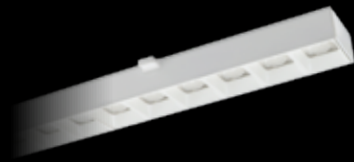
Silica 21 Shadow
for Licross

Technical specifications

Luminous flux: up to 6,340lm
Power: up to 39W
Luminous efficacy: up to 178lm/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
UGR: ≤ 19
Color rendering index: CRI ≥ 80
Driver: DALI 2
Mounting: Plug-in installation in the Licross® mounting rail



Silica 21 Shadow
for Modario 31

Technical specifications

Luminous flux: up to 6,710lm
Power: 38W
Luminous efficacy: up to 177 lm/W
Service life: 70,000 hours (L80)
Light distribution: medium, double asymmetrical

Applies to all Modario 31 variants:

Optical concept: Darklight reflector made of PMMA
Light colors: 4,000 K
UGR: ≤ 19 ≤ 22
Farbwiedergabeindex: CRI ≥ 80
Driver: DALI 2 ON/OFF Multilumen
Mounting: Plug-in installation in the Modario® 31 mounting rail



Silica 21 Shadow
Linear Floor
luminaire

Technical specifications

Luminous flux: up to 14,320lm
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
UGR: ≤ 19
Color rendering index: CRI ≥ 80
Driver: DALI 2

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



for Licross



for Modario 31



Linear Floor

Silica 21 at a glance.

Prismatic.



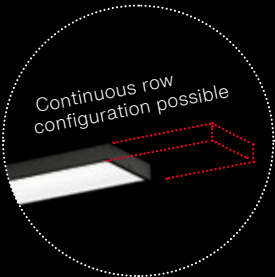
Silica 21 Prismatic
Rectangular Pendant

Technical specifications
Luminous flux: up to 8,050lm
Power: up to 51W
Luminous efficacy: up to 180 lm/W
Service life: up to 100,000 hours (L85) at Tmax
Light distribution: wide beam, asymmetrical beam



Silica 21 Prismatic
Rectangular Surface-mounted

Technical specifications
Luminous flux: up to 5,500lm
Power: up to 36.6W
Luminous efficacy: up to 175 lm/W
Service life: up to 100,000 hours (L85) at Tmax
Light distribution: wide beam, wall washer, asymmetrical beam



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
Dimensions: 1200 × 170 mm 1200 × 225 mm 1500 × 170 mm 1500 × 225 mm
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

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



Rectangular



Silica 21 Prismatic
Linear Pendant

Technical specifications
Luminous flux: up to 20,060lm
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



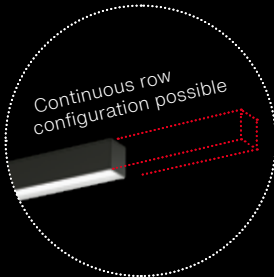
Silica 21 Prismatic
Linear Surface-mounted

Technical specifications
Luminous flux: up to 9,840lm
Power: up to 62.2 W
Luminous efficacy: up to 158lm/W
Service life: 70,000 hours (L80)
Light distribution: extremely wide beam



Silica 21 Prismatic
Linear Recessed

Technical specifications
Luminous flux: up to 9,840lm
Power: up to 85 W
Luminous efficacy: up to 158lm/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
Lengths: 904 mm to 3,604 mm
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

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



Linear

Silica 21 at a glance. Prismatic.



Silica 21 Prismatic
Linear 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
Rectangular 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
UGR: ≤19
Color rendering index: CRI ≥80
Driver: DALI 2

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



Floor luminaires



Silica 21 Prismatic
Round Pendant

Technical specifications
Luminous flux: up to 16,060 lm
Output: up to 88.8 W
Luminous efficacy: up to 180 lm/W
Service life: up to 100,000 hours (L85) at Tmax
Light distribution: wide beam: direct beam, direct/indirect beam



Silica 21 Prismatic
Round Surface-mounted

Technical specifications
Luminous flux: up to 13,100 lm
Output: up to 75.7 W
Luminous efficacy: up to 179 lm/W
Service life: up to 100,000 hours (L85) at Tmax
Light distribution: wide beam: direct beam, direct beam with rear uplight effect

Applies to all Round variants:
Sizes: 400 mm 600 mm 900 mm
Optic concept: Microprismatic (ceiling) Opal (ceiling and wall)
Light colors: Tunable White 3,000 K 4,000 K, CRI > 80, > 90
UGR: < 19
Driver: DALI 2 DALI DT8 Casambi
Mounting: Pendant, Surface-mounted
Areas of application: Individual and open-plan offices, meeting and conference rooms, project and creative spaces, training and seminar rooms, open-plan areas

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



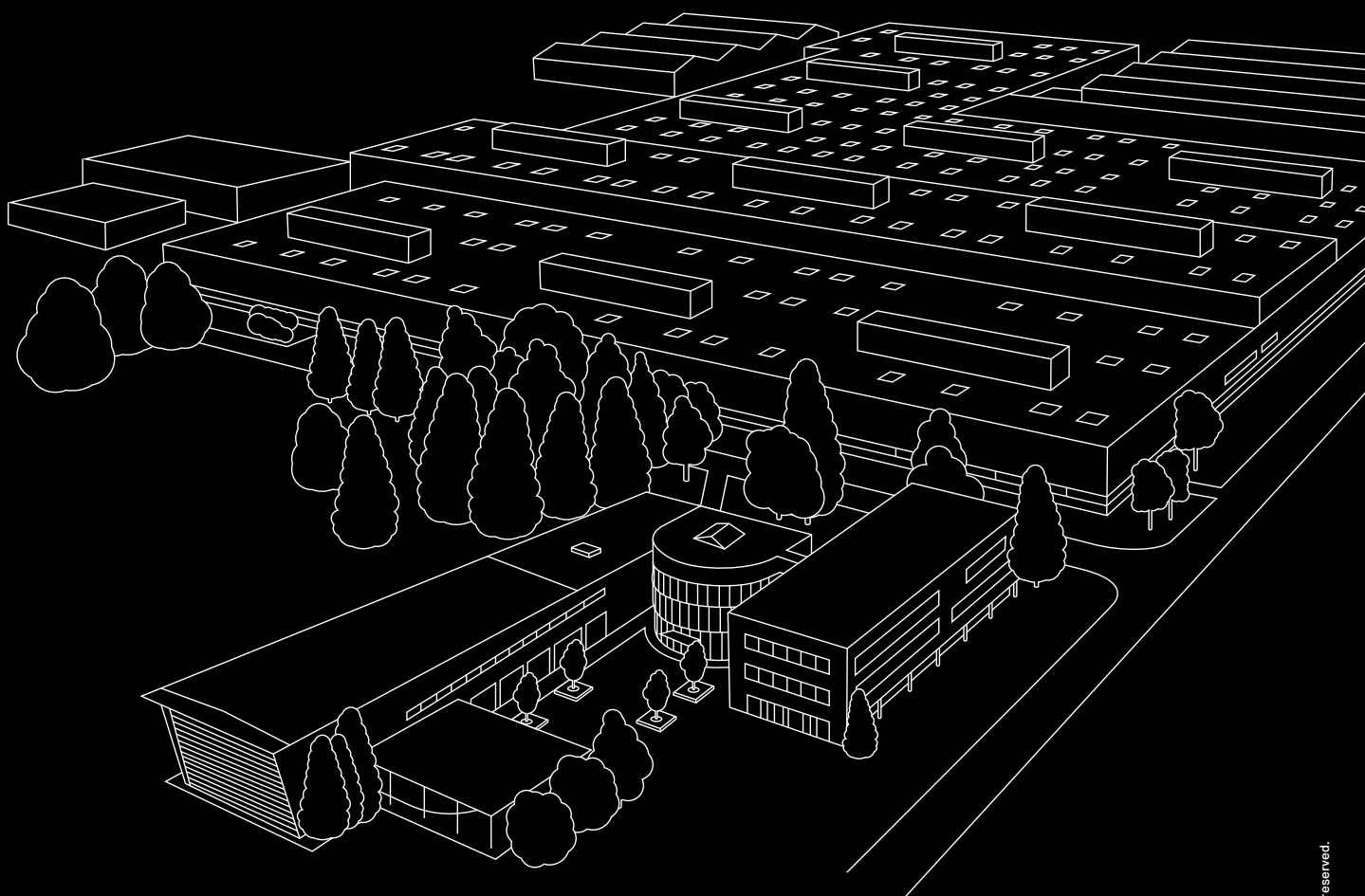
Round

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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