EXLUX *PRO*

MAXIMUM LIGHT QUALITY WITH MINIMUM ENERGY CONSUMPTION

The next generation of efficient EXLUX linear luminaires

THE STRONGEST LINK. **STAHL**
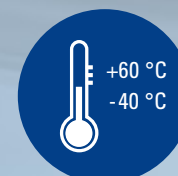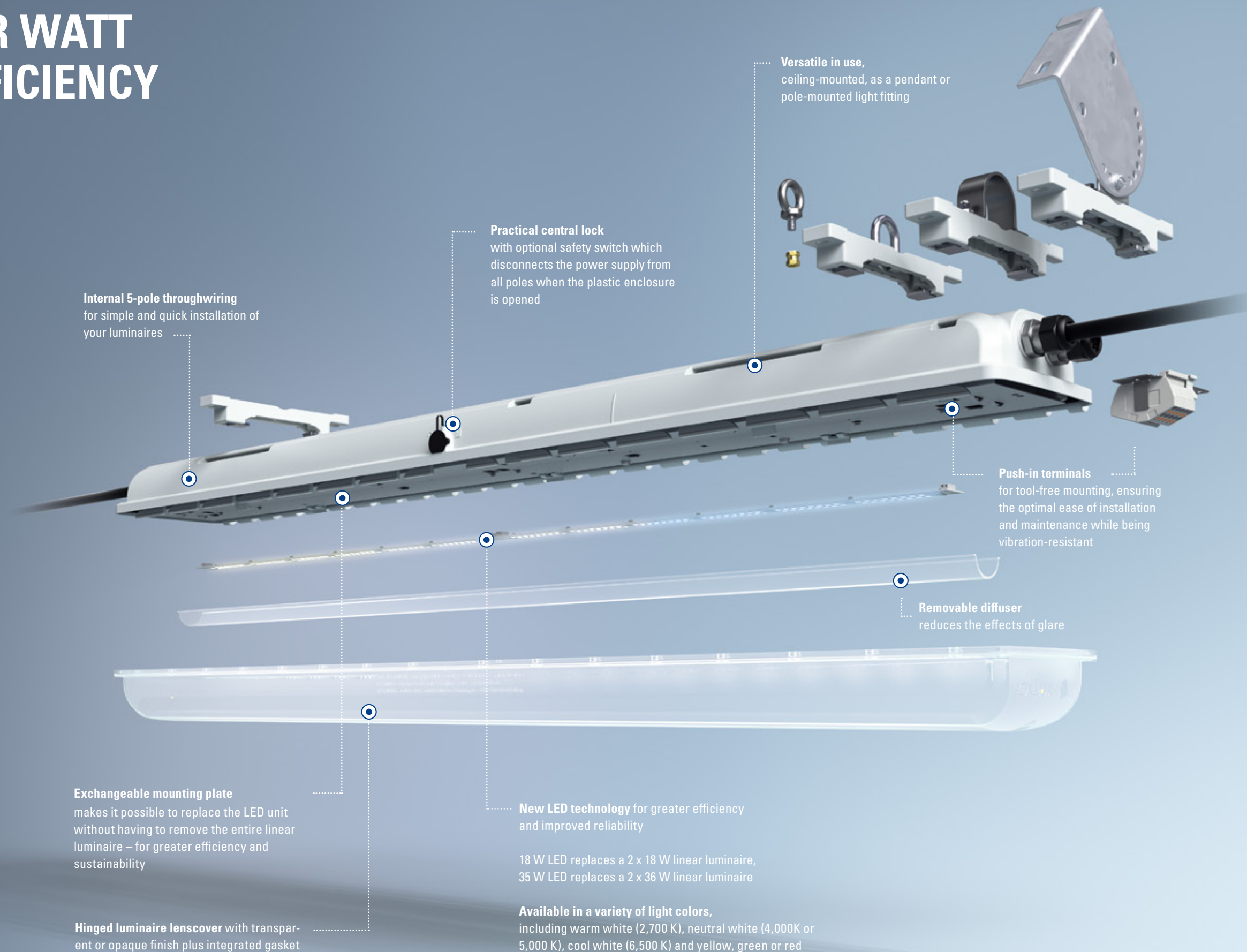
MORE LUMENS PER WATT FOR MAXIMUM EFFICIENCY

You spoke, we listened: introducing the new EXLUX *PRO* Series 6002 – designed to meet your needs with extra efficiency! You make considerable savings on energy costs thanks to the hugely reduced energy consumption! Important to know: you are eligible for funding when installing the new EXLUX *PRO* Series 6002 LED linear luminaires or retrofitting existing luminaires. In this way, alongside the reduced operating costs, you also benefit from a government investment grant.

- **Enhanced efficiency:** energy consumption will be significantly reduced from 42 W to 35 W, while boosting efficiency from 138 lm/W to 168 lm/W – maintaining the same high luminous flux.

- **Extended lifespan:** enjoy up to 100,000 operating hours – thanks to optimised electronics that minimise power usage and thermal energy output

Of course, our upgraded LED linear luminaires continue to deliver the trusted benefits you rely on, now with superior efficiency:

- Digitally linked via DALI2 for seamless integration.

- Optional address module for communication between a luminaire and the R. STAHL central battery system.

- 100% backwards compatible, ensuring older installations can be easily upgraded.

- Robust and durable, designed for minimal maintenance requirements.

- Versatile in application, suitable for a range of industries both indoors and outdoors, and adaptable to both on land and offshore/maritime facilities.

Let's connect! Together, we can develop the perfect solution tailored to your specific requirements!

Versatile in use, ceiling-mounted, as a pendant or pole-mounted light fitting

Practical central lock with optional safety switch which disconnects the power supply from all poles when the plastic enclosure is opened

Internal 5-pole throughwiring for simple and quick installation of your luminaires

Push-in terminals for tool-free mounting, ensuring the optimal ease of installation and maintenance while being vibration-resistant

Removable diffuser reduces the effects of glare

Exchangeable mounting plate makes it possible to replace the LED unit without having to remove the entire linear luminaire – for greater efficiency and sustainability

New LED technology for greater efficiency and improved reliability

18 W LED replaces a 2 x 18 W linear luminaire, 35 W LED replaces a 2 x 36 W linear luminaire

Available in a variety of light colors, including warm white (2,700 K), neutral white (4,000K or 5,000 K), cool white (6,500 K) and yellow, green or red

Hinged luminaire lenscover with transparent or opaque finish plus integrated gasket

+60 °C / -40 °C

h 100.000

168 lm/W

THE 5 GOLDEN RULES FOR GOOD LIGHTING

1. SUFFICIENT ILLUMINATION

Provide sufficient light to create a safe work environment. The illuminance should be tailored to the specific application and visual task.

What is a good guideline value?

- 100 lx for general visual tasks, for a short period of time (orientation within a room)
- 300 lx for general visual tasks, continuously or for a longer period of time (searching for and finding objects, rarely involving reading)
- 500 lx for specific visual tasks where noticing small details is important (reading, identifying, finding and installing small parts on a task-specific basis)

2. UNIFORMITY

Avoid extreme differences in brightness in a room. Uniform illumination reduces fatigue and ensures a pleasant atmosphere.

Which parameters need to be harmonised and considered to achieve uniformity?

- Light distribution
- Installation height
- Positioning of luminaires

3. CORRECT LIGHT COLOUR

The light colour impacts concentration and well-being. Warm white light is ideal for relaxed environments, while neutral white and cool white are conducive to concentration and productivity.

What colour temperature (CCT) is suitable for what purpose?

- 2,700 K for outdoor lighting, also for protection of wildlife
- 4,000 K - 5,000 K for indoor lighting
- 6,500 K at the inspection area

4. MINIMAL GLARE

Glare-free light ensures a safe environment and makes it more likely that a visual task will be completed successfully. Glare-free lighting can be achieved by choosing the right luminaire and integrating it correctly into the room's lighting system.

How can I avoid glare?

By installing and positioning the right luminaire in the right place.

5. MINIMAL SHADOW EFFECT

Harsh shadows can hinder perception and cause uncertainty. Indirect lighting or lighting from multiple angles ensures even light distribution.

How can I prevent shadows?

By installing as many luminaires as possible, considering any objects that might create shadows. If the luminaires are fitted at a low height or in a small room, they should have a large light-emitting surface to avoid shadows.

We'd be happy to help you put these rules into practice for your illumination concept!

R. STAHL
Am Bahnhof 30
74638 Waldenburg, Germany
T +49 7942 943-0
F +49 7942 943-4333
r-stahl.com

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