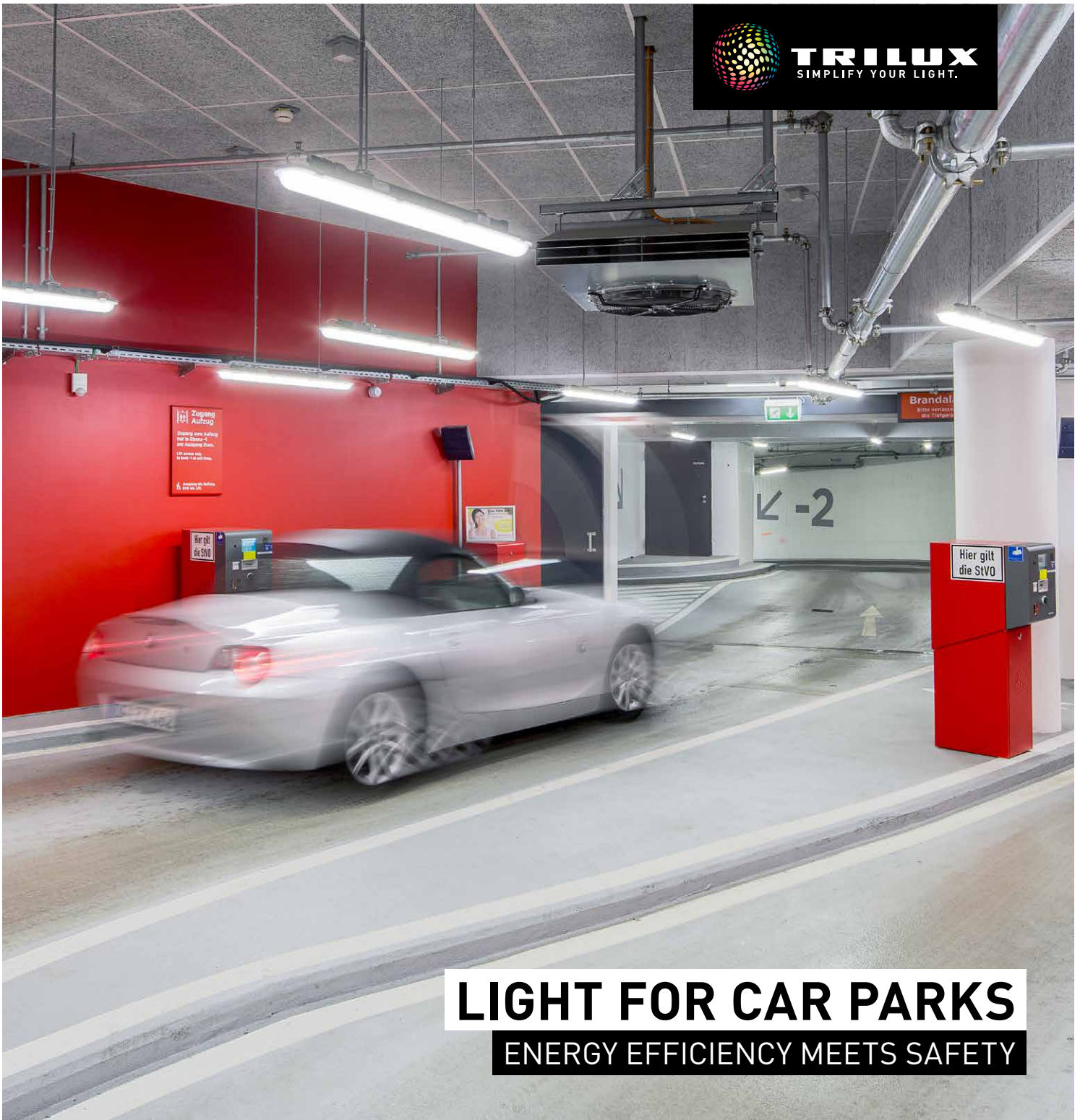


TRILUX
SIMPLIFY YOUR LIGHT.



LIGHT FOR CAR PARKS

ENERGY EFFICIENCY MEETS SAFETY

Nowadays, modern multi-storey car parks have to meet strict sustainability criteria and safety standards, and simultaneously be energy and cost efficient. One effective solution to meet these increased expectations is to refurbish the lighting systems.

With innovative TRILUX car park lighting, which can be optionally combined with the intelligent LiveLink light management system, energy costs can be significantly reduced and safety increased at the same time. The value of the property is also increased thanks to modern lighting technology.

- Energy-efficient operation via innovative technology – for savings of up to 85%
- Improved sense of safety thanks to optimum illumination
- Future fit refurbishments for more sustainability
- Complete LED solutions instead of fluorescent lamps and retrofits

REFURBISHING CAR PARKS – A WORTHWHILE ENDEAVOUR

Modernising the lighting in multi-storey car parks makes sense both economically and ecologically. In the specifying, planning and installation of future-proof lighting solutions, TRILUX offers customised support and modern solutions.

With TRILUX car park lighting, even complex structural building situations can be perfectly illuminated – including ancillary areas such as stairwells and technical rooms. From disassembly and planning to installation and commissioning of the new system: TRILUX lighting refurbishments certainly pay off.

Advantages of a sustainable lighting refurbishment:

Slash energy costs – savings of up to 85%



Energy savings of up to 85% can be achieved thanks to efficient LED systems and intelligent control – particularly if light management systems are used. This means your investment pays back in just a few years. Conventional fluorescent lamps have also been banned under the Energy-Related Products (ErP) Directive – so now is the right time to intelligently upgrade car park lighting.

Future-fit refurbishments – clear the way for more sustainability



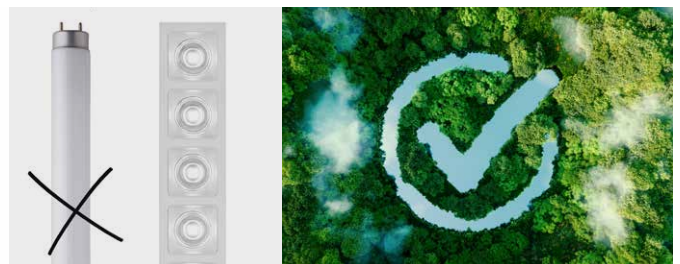
A modern lighting installation helps towards the achievement of sustainability goals. It helps to reduce carbon emissions and lowers energy consumption and energy costs. Its sustainability is underlined by a long service life of up to 100,000 hours and the interchangeability of components. This fulfils the requirements of the Ecodesign and ROHS directives.

Safety and orientation – optimally illuminated parking lots



Optimally illuminated car park zones reduce the risk of accidents and create a feeling of personal safety by eliminating dark zones. With intelligent LED technology TRILUX ensures that every user approaches and leaves their parking area safely, and with no uneasy feelings.

Fluorescent lamps and retrofits are things of the past



Now is the time to act. The ban on fluorescent lamps and the inadequacies of LED retrofit solutions are good arguments in favour of refurbishing car park lighting with a complete LED solution.

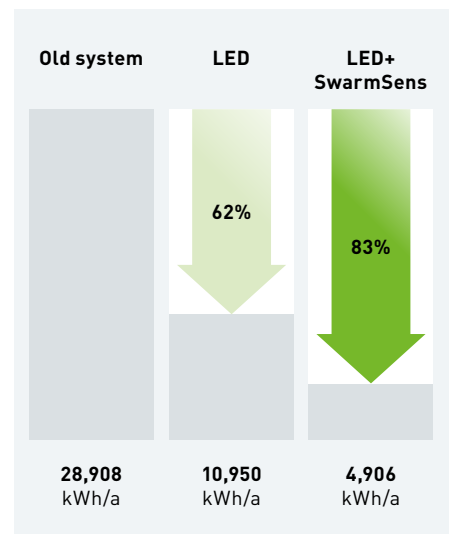


To the refurbishment checklist
www.trilux.com/en/blog/retrofit-checklist/



Energy efficiency example

Multi-storey car park, 100 parking bays	Old system	New system TRILUX LED	New system TRILUX LED + LiveLink SwarmSens
Luminaire	Old weather-proof luminaire 1 x 58W, LLCG	AragFHE 12 PXW 40-840 ET PC	AragF 12 PXW 40-840 ETDD+DMM PC
Power consumption per luminaire	66 W	25 W	28 W
Number of luminaires in building	50 pcs.	50 pcs.	50 pcs.
Total power consumption	3,300W	1,250W	1,400W
Energy consumption p. a.**	28,908 kWh	10,950 kWh	4,906 kWh
Energy costs Ø p.a.*	€ 11,635	€ 4,407	€ 1,975
Energy saving potential		62%	83%
Saved energy p. a.		17,958 kWh	24,002 kWh
CO2 savings p.a.		7.54 t	10.08 t
Energy cost savings p.a.*		€ 7,205	€ 9,661



*Basis is a nominal work price per kWh of 0.35 € in year 2023 and a yearly inflation rate of 3%/annum. A lifespan of 10 years with 8760 operating hours (365 days x 24 h) is assumed.

** Light management with presence detection. If no presence is detected the lighting dims to a basic lighting level of 20%. In the detection range (100 parking spaces), a relative absence of persons of 80% is assumed. This results in a further savings potential of 60%.

Product recommendations



TRILUX – SIMPLIFY YOUR LIGHT



TRILUX SIMPLIFY YOUR LIGHT represents the most simple and reliable path to customised, energy-efficient and sustainable lighting solutions. In the dynamic and ever more complex lighting market, customers are provided with optimal advice, ideal orientation and perfect light. To ensure this, TRILUX offers a wide portfolio of technologies as well as high-performance partners within the TRILUX Group, and unites single components to create custom-designed complete solutions – always perfectly matched to customer requirements and specific applications.

PARK YOUR CARES WITH US

Access streets, covered and uncovered parking areas, stairwells and facades – parking areas make many different, often very challenging demands on a lighting solution.

Our commitment:

- We always take a holistic view of light for parking areas
- With SIMPLIFY YOUR LIGHT we offer you the simplest and safest way to your lighting solution
- Tailor-made, technically mature and future-proof

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