



ISOLED REFERENCES



thyssenkrupp

WWW.THYSENKRUPP.COM

Thyssenkrupp Aufzüge GmbH

OUR CUSTOMER = OUR PARTNER

ISOLED[®]

CUSTOMISED LIGHT SOLUTIONS



REFERENCES

ISOLED®

CUSTOMISED LIGHT SOLUTIONS

10 YEARS OF PROFESSIONAL LED SOLUTIONS

Our company consists of professionally competent lateral thinkers and motivated movers and shakers who drive the technical progress in LED technology and work with innovative ideas and solutions set new accents and trends.

For 10 years we have been offering our customers and partners a standardized LED product range with well over 1,000 articles, intelligent LED project lighting solutions as well as a customer-specific production of sustainable LED lighting solutions according to individual specifications.

In the design of our wide range of products and services range of services we orientate ourselves both to the

- » requirements of our customers as well as the
- » technical progress of LED technology.

Excellent quality, high advisory skills of our employees and sustainable growth of our company. Our partners are assured of reliable coverage of their requirements with the latest LED lighting components and systems.



YOUR COMPLETE LED SUPPLIER - WE OFFER YOU:

- » 10 years of experience, specialization in LED and a wide range of products
- » Personal, competent consulting service with high availability (also on site)
- » Professional, fast and reliable
- » Order processing
- » Customized packaging
- » Extended warranty (min. 24 months warranty)
- » High and sustainable product availability
- » Guarantee of a fast spare parts supply
- » Rapidly acting after-sales service and unbureaucratic returns management
- » Appropriate company size and sustainable company development for a long-term cooperation based on partnership
- » Short delivery times





REFERENCES

ISOLED®

CUSTOMISED LIGHT SOLUTIONS

THYSSENKRUPP AUFZÜGE GMBH

Thyssenkrupp Aufzüge is a company of thyssenkrupp Elevator AG and belongs to the globally operating thyssenkrupp Group. thyssenkrupp Elevator AG is one of the world's biggest producers of passenger transportation systems. With sales of 7.2 billion euros in 2014/2015 and customers in 150 countries, the company develops innovative and energy-efficient products for the individual requirements of the customers.

Thyssenkrupp Aufzüge GmbH is a German company with six new installations regions and 31 service branches, two production sites (Neuhausen for elevators and components, Hamburg for escalators and moving walks) and the new elevator test tower in Rottweil. More than 4,000 qualified employees ensure optimal proximity to the customer with a dense sales and service network.

The innovative product portfolio includes passenger and freight elevators, escalators and moving walks, passenger boarding bridges, stair and platform lifts, automatic doors and customized service solutions for the entire product range.

WWW.THYSENKRUPP-AUFZUEGE.DE



SOURCE: thyssenkrupp Aufzüge GmbH





GROUP MISSION STATEMENT

We solve the challenges of the future together with our customers.

The requirements of the customers determine our thinking and acting. We break new ground and develop innovative products and services for sustainable infrastructure and resource efficiency.

We are thyssenkrupp - a technology group with high materials capabilities.

Competence and diversity, global networking and tradition are the basis of our performance and make us a leader in our markets. We create added value for customers, employees and owners.

We all set ourselves the highest Claims.

We act entrepreneurially, with confidence, courageously and performance-oriented - with the aim of being the best. The commitment and skills of each individual are the basis for this. The development of our employees is particularly important to us. Health and safety in the workplace are our highest priority.

We live common values.

We act in the overall interest of the Group. Openness and mutual appreciation characterize our cooperation. We build on strong values: reliability and honesty, credibility and integrity. Compliance is a matter of course for us. We take responsibility for society.





ARCHITECTURAL INTEGRATION AND SAFE DRIVING EXPERIENCE

INNOVATIVE LED LIGHTING SOLUTIONS installed as effective decorative lighting set the stage for each escalator and integrate it into the overall interior design concept. LED flexible strips (from cold white to neutral white to warm white as well as in RGB) are installed according to customer-specific requirements in balustrades, under the handrail and in plinth strips installed.

An integrated LED lighting solution also meets the safety aspect for passengers. According to EN 115, step and pallet strips must be illuminated with an illuminance of at least 50 lux. This means that only high-performance LED flexible strips with constant illuminance and homogeneous light quality are used.



EN 115 for sufficient safety:

Illuminance min. 50 lux



Linchpin

Means of transport for thousands of travellers daily and central architectural element at Stuttgart airport.

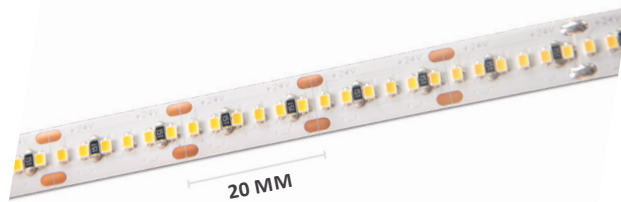
Escalators from thyssenkrupp Aufzüge GmbH with state-of-the-art LED lighting from ISOLED® for a safe and relaxed ride experience for tired arrivals and euphoric departures. (Picture Stuttgart Airport)





HIGH STANDARDS AND REQUIREMENTS FOR LED LIGHTING SOLUTIONS FROM ISOLED®

- » Meeting all photometric, architectural and commercial parameters with integrated LED lighting solutions.
- » Best constant light quality at the best price.
- » Homogeneous illumination thanks to a high number of high-performance LED chips per separation point.
- » High, constant performance values.
- » LED flexible strips with protection classes from IP20 to IP68
- » LED flex tapes with UV stability and chlorine resistance
- » Easy to process and install LED flex strips for long light lines.
- » Increase of ecological and economical energy efficiency.
- » Rapid amortisation of investment costs for end customers.
- » Strong reduction of the current power consumption.
- » Simple service and reduction of maintenance work and costs to a minimum.
- » Excellent product quality with long service life.



Constant light quality for continuous operation

Homogeneous LED light lines with constant colour temperature and high luminous efficacy due to dense assembly with LED high-performance chips per separation section. For up to 50,000 operating hours (L70/B5) - subject to proper installation on heat-dissipating material. (Picture Leo-Center Leonberg)





REFERENCES

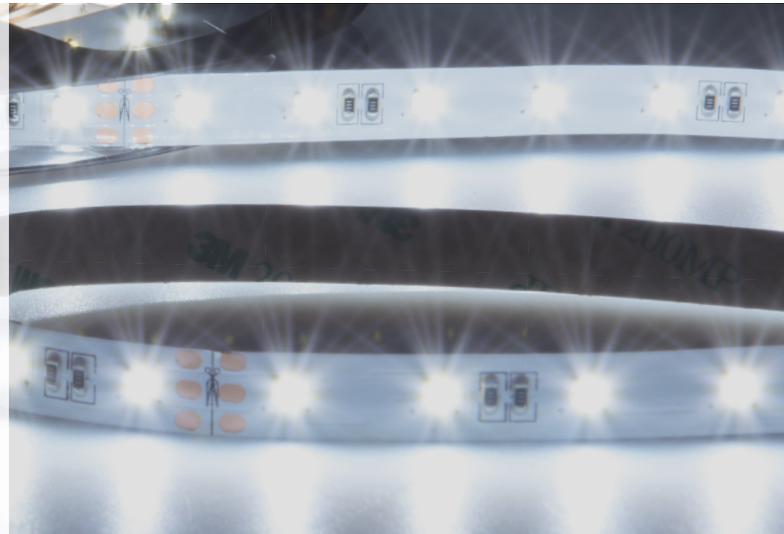
ISOLED®

CUSTOMISED LIGHT SOLUTIONS

ISOLED®

**YOUR COMPLETE LED
SUPPLIER FOR INDIVIDUAL
CUSTOMER SOLUTIONS**

www.isoled.at



- » Many years of experience, specialization in LED and a wide range of products.
- » Corresponding company size and sustainable company development for a long-term cooperation based on partnership.
- » Personal, competent consulting service with high availability (also on site).
- » Professional, fast and reliable order processing.
- » Customer-specific packaging.
- » Short delivery times.
- » High and sustainable product availability.
- » Extended warranty (min. 24 months warranty)
- » Guarantee of a fast spare parts supply.
- » Rapidly acting after-sales service and unbureaucratic returns management.



Innovative branded products from ISOLED®

High-quality LED flexstrips from ISOLED® for long light lines in different colour temperatures- from cold white, neutral white, warm white and RGB- with high colour rendering index up to $CRI \geq 93$. New in the range: dimmable LED flexstrips with 20 W/m in WHITE TYNAMIC- with the appropriate controller and sequencer, dynamic selection of a colour temperature in the range from 3,000 to 6,000 Kelvin is possible. (Picture SI Centre Stuttgart)





QUALITY, PERSONAL ADVICE AND UNBUREAUCRATIC PROCESSING

„WITH ISOLED WE HAVE HAD A RELIABLE PARTNER FOR YEARS“



„It is important for us to meet the high expectations and demands of our customers in the long term. With ISOLED® we have found a supplier who can work with us to implement the energetic lighting requirements for our customers.

The high quality, easy installation, short predictable delivery times and the unbureaucratic professional support are convincing.

With ISOLED® we have had a reliable partner for many years on whom we can always rely“.

JÖRG BUNTE, RESPONSIBLE FOR SALES,
SERVICE & MODERNIZATION/SALES SPARE PARTS AND REPAIRS AT THYSSENKRUPP SERVICE
BRANCH IN STUTTGART

LED technology for perfect lighting management

LED flex tapes from ISOLED® are used for the integration into intelligent lighting concepts with central lighting management systems. This is a solution for the economic and ecological energy efficiency. The main control option is the automatic daylight control. It automatically regulates the brightness of the LED flexstrips depending on the daylight. LED light lines can also be controlled via DALI and the DMX bus system (central integrated lighting management systems) and with ISOLED® time controllers (daytime-dependent RGB colour control). The ISOLED® product range naturally also includes radio remote controls and radar motion detectors that control the operation of the lighting solution according to passenger frequency or escalator frequency adapt use.





HOMOGENEOUS LIGHTING SOLUTION WITH LED FLEXBANDS FROM ISOLED®

Ecologically sensible- economically valuable!

LED FLEX STRIPES FROM ISOLED® - YOUR ADVANTAGES AT A GLANCE!



Wide range of cold, neutral, warm white and dynamic white LED flex stripes



LED high-end products with up to 12 high-performance LED chips per separation point



High color rendering up to CRI > 93



RGB LED flex stripes



Energy- and cost-saving - highly efficient with up to 28 watts per meter



High quality and durable dimmable LED flex stripes in the range



LED flex stripes in different protection classes (up to IP 68)



Universal and highly flexible applicable!



Very powerful - up to 130 lumen/-watt



Powerful quality transformers for long LED light lines



Large selection of LED lighting technology and compatible LED control components, such as wireless sensors and controllers



Professional connection systems and accessories (connectors, cable connectors and adapters, cable extensions and much more)

Installation note for long light lines with LED flexible strips

By intelligently setting current feed points at the beginning and end and additionally at regular intervals via a parallel cable along the entire light path, the current supply for the flexstrip is kept below 3 amperes per feed contact. This prevents excessive voltage loss and protects against overheating of the LED chips and the circuit board, which in turn benefits the maintenance and service life of the entire lighting solution.

Everything you need to know about power supply, avoiding and calculating voltage drops as well as installation tips can be obtained from the LED professionals at ISOLED® in the office and in the field and at www.isoled.at (www.isoled.de). (Picture Leo-Center Leonberg)

