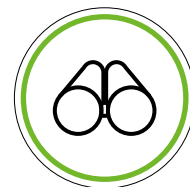


ISOLED®

CUSTOMISED LIGHT SOLUTIONS



INDUSTRY FOCUS

YOUR ASSISTANT FOR ACHIEVING JUST THE RIGHT APPEAL FOR YOUR BUSINESS

INDUSTRIAL LIGHTING





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PRODUCT RANGE



10 LED Linear Lighting



11 3 phases rail system



12 LED tubes and diffuser luminaires



13 LED emergency light / and escape route luminaires

15 LED highbay luminaires



16 LED floodlights

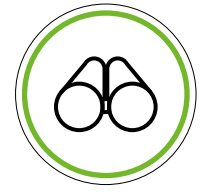


17 LED street / car park lighting



18 Led sports facility lighting





Industrial lighting

AN OPTIMAL LED INDUSTRIAL LIGHTING CONCEPT

- minimizes the risk of occupational accidents,
- promotes motivation and of course the efficiency of employees and
- increases productivity in the company.

Operational safety and productivity

The requirements for LED lighting solutions in the LED industrial lighting sector are very high. On the one hand, numerous standards and regulations must be complied with in order to ensure safety in operation. On the other hand, it is important to provide employees with an optimally illuminated workplace where they can perform their tasks productively and motivated by the appropriate light.



Profitability and increased competitiveness

Rising energy prices, increasingly scarce resources and increasingly stringent environmental laws require, apart from the ecological aspect, massive measures to save energy and thus reduce ongoing operating costs. The decision to switch to intelligent LED industrial lighting concepts is a big step towards sustainable cost-effectiveness and increased competitiveness.

Economic efficiency

It goes without saying that specific advice, lighting planning and calculation by professional lighting planners and an amortization calculation are essential. Our sales staff are happy to calculate the ecological and economic efficiency for every project offer with the help of all measurement data, technical parameters and commercial factors. With the help of an amortization calculation, the investment costs can be shown transparently and thus facilitate the business decision-making process.

YOUR ADDED VALUE WITH ISOLED®!



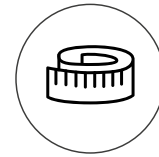
Standardised Product range

- More than 3,050 products
- High-end LED components
- High product availability



Intelligent project lighting solutions

- Scalable LED control technology
- Holistic LED lighting systems
- Personal project support



Customer-specific Manufacture

- Manufactured light elements
- Precise custom production
- Delivery ready for installation

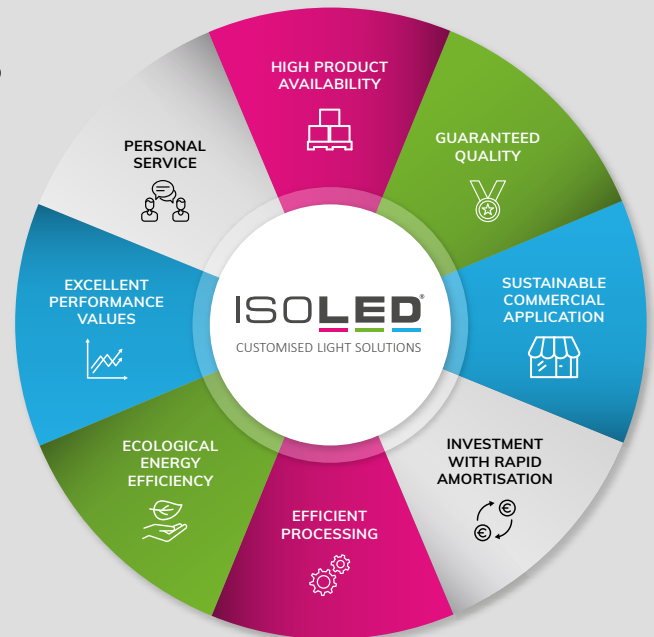
CUSTOMISED LIGHT SOLUTIONS

SUSTAINABLE EFFICIENCY IMPROVEMENT WITH SMART LED LIGHTING CONCEPTS

We are a full-range LED supplier for individual lighting concepts and orient ourselves in the design of our wide product range to both the

- Requirements of our customers as well as on the
- technical progress of LED technology.

Excellent quality, high consulting competence of our employees as well as sustainable growth of our company ensure a reliable and long-term demand coverage with innovative LED lighting solutions for our partners.



99,3 %

OF OUR CUSTOMERS RECOMMEND ISOLED® TO OTHERS!

#1 SUCCESS FACTORS
COMPETENT CUSTOMER SERVICE
PERSONAL SERVICE

We advise you!

We develop and plan your individual solution together with you.

We realize your project!

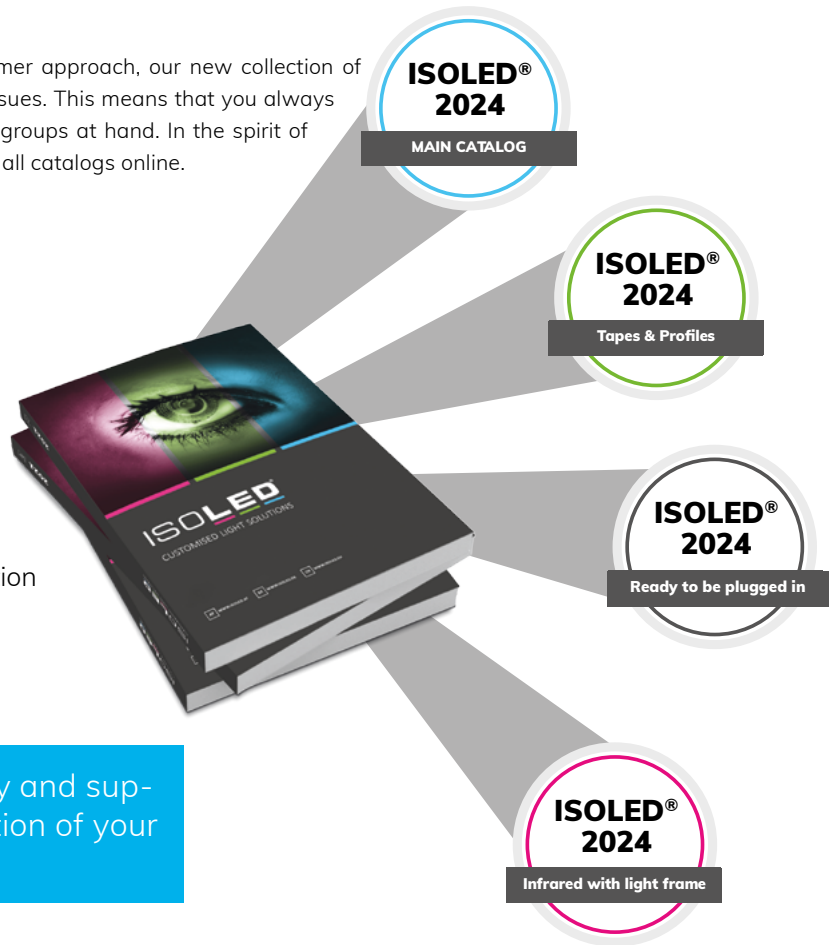


THE NEW PRODUCT CATALOGUE COLLECTION ISOLED® 2024

All good things come in fours! For a targeted customer approach, our new collection of ISOLED®2024 product catalogs is divided into four issues. This means that you always have the right catalog with the appropriate product groups at hand. In the spirit of sustainability, you can of course also browse through all catalogs online.

Four topic-specific Catalogs

- » 1200 pages full of highlights
- » Available in: DE, EN, FR, IT & HU
- » Online flip catalog and up valuable print version
- » Prefabricated lighting components
- » Individual lighting concepts
- » Sustainable, intelligent lighting solutions
- » Custom-made products and OEM production



We advise you personally and support you with the realisation of your projects!

DISCOVER ISOLED® ON YOUTUBE

Want to know what the United Glare Rating is all about? Or how to professionally install a drywall profile?

On our new YouTube channel you will find a constantly growing collection of videos on assembly instructions, product worlds, practical applications and knowledge topics.



You Tube VIDEOS ON ALL LED TOPICS



Up to 80 % cost reduction

Fast amortization of investments made and strong cost reduction (with LED illuminants from ISOLED® up to 80 % cost saving compared to traditional illuminants) immediately relieve the running operating costs.

Transparency of your investment costs with a payback calculation from ISOLED® is possible at any time.

We are looking forward to your inquiry!

Why LED?

ALL ADVANTAGES AT A GLANCE



LED ARE ENERGY AND COST EFFICIENT



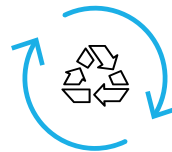
WATERPROOF LEDS



LEDS PRODUCE LIGHT IMMEDIATELY



LED INVESTMENT WITH FAST AMORTIZATION!



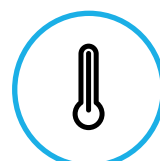
LEDS ARE NOT HAZARDOUS WASTE



LED ARE ROBUST AND INSENSITIVE



CONTINUOUSLY ADJUSTABLE



LOW HEAT EMISSION

PRODUCT RANGE

CUSTOMISED LIGHT SOLUTIONS

ECONOMICALLY VALUABLE | ECOLOGICALLY SENSIBLE



3-Phase rail system



LED linear lighting



LED tubes and diffuser luminaires



LED emergency light/
escape route
luminaires



LED highbay luminaires



LED floodlights



LED street / car park lighting

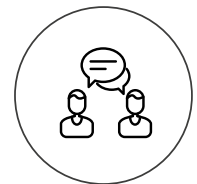


Led sports facility lighting

#1



**COMPETENT
CUSTOMER SERVICE**



**PERSONAL
SERVICE**



3.050
LED items

439 NEW
Quality products

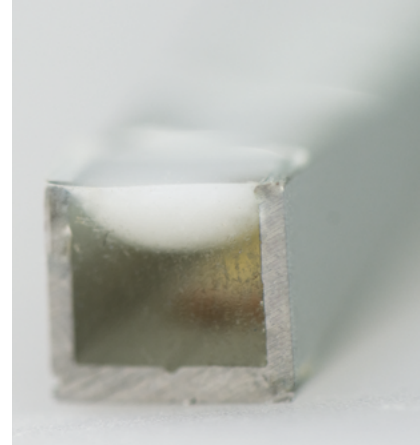
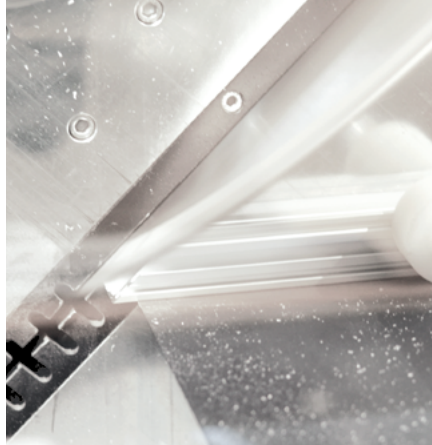
1.200 Pages
full of highlights!



ISOLED® Catalog
exclusively for our partners online
and as a high quality print version

Annual catalog with
1200 pages in 5 languages
(35,000 pcs./circulation)





CUSTOMISED ASSEMBLY

Focus your efforts on your core competences.

WE TAKE OVER THE PROFESSIONAL MANUFACTURING!

We are a customer-oriented company and, in addition to our extensive product range, offer services with sustainable added value. This includes, among other things, the professional assembly of light building elements with LED flex stripes, LED aluminum profiles and their additional components, which we are happy to take over for you.

Competent and reliable according to custom requirements!

You save valuable working time!

You can immediately start with the installation!

You have the certainty that your LED lighting will work reliably!

We advise you.



Assembly of LED flex stripes



Assembly of LED profiles



Merging LED flex stripes and aluminum profiles



Wiring with LED technology

Manufactured light elements
Precise manufacturing
Delivery ready for installation

PRECISE - FAST - RELIABLE



Innovative sustainability for business and industry

LED LINEAR LIGHTING



LED linear system
FastFix R UniversalFit



LED linear system
FastFix S



LED linear system
FastFix IP54



LED linear luminaires



LED linear diffuser and
special luminaires



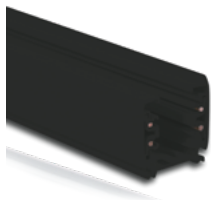


Product presentation that is gentle on the object for your sustainable business success

3-PHASE RAIL SYSTEM



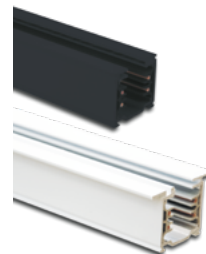
3-PH track lights



3-PHASE rails
Accessories S1 series
Surface-mounting



3-PHASE rails
Accessories S1 series
Recess-mounting



3-PHASE rails
Classic accessory
Surface-mounting

3-PHASE rails
Classic accessory
Recess-mounting





**Innovative sustainability for business
and industry**

LED TUBES AND DIFFUSER LUMINAIRES

Homogenous light quality | Structure-friendly mounting



LED tubes KVG compatible



LED tubes with cable



Diffuser luminaires





A large range full of design diversity and sophisticated functionality

LED EMERGENCY / ESCAPE LIGHTS



LED emergency light/escape route luminaires



**EMERGENCY LIGHT OPERATION
3 HOURS**

Safety in case of emergency

In the event of a power outage or failure of the general power supply or lighting system, enough lighting (emergency lighting) must be ensured to safely exit the building or to avoid panic.

European standard for labelling

The legal requirements regarding lighting requirements and marking of escape and rescue routes are regulated in the European standards EN 50172:2005 and EN 1838:2019.

Recommendation for planning

To plan an emergency lighting system in your building, we recommend that you consult an expert in the field. We would be happy to put you in touch with a partner in your area.

LED panels and Linear-Diffuser luminaires with Battery Pack

ISOLED® Luminaires with integrated rechargeable battery pack (see page 85 Battery module for LED panels and page 109 Pro-fessional Linear-Diffuser luminaire) ensure basic lighting in of-fices, workshops, basements and underground car parks in the event of a power failure, even without an emergency power supply unit or central battery system.

New in the range UNI4 and UNI7 emergency light/escape route luminaires conforming to standards

With our two emergency light/escape route luminaires UNI4 and UNI7, which have a recognition range of 20 and 18 meters respectively and four adhesive escape signs (up/down/left/right arrows), you can implement the marking and signage of escape and rescue routes safely and in accordance to standards.

Integrated battery for 3 hours emergency operation

The UNI4 LED light is equipped with a 1.500 mAh Ni-cd battery and the UNI7 with a 1.900 mAh battery, which allows a battery operation for more than 3 hours in case of power failure (charging time approx. 24h).

If the power supply is maintained, a switched continuous operation is optionally possible.

Automated self-tests replace manual function checks

After the initial installation, the luminaires carry out a self-test, a function test once a week and a long-term test 36 hours after the initial installation and once a year. The periodically prescribed and time-consuming manual function checks are therefore no longer necessary.

Note on the operation display

Manual tests can be initialized at any time by pressing the integrated test button. Correct operation is indicated by a green signal LED, errors by a red signal LED.

Guidelines for emergency light/escape route luminaires

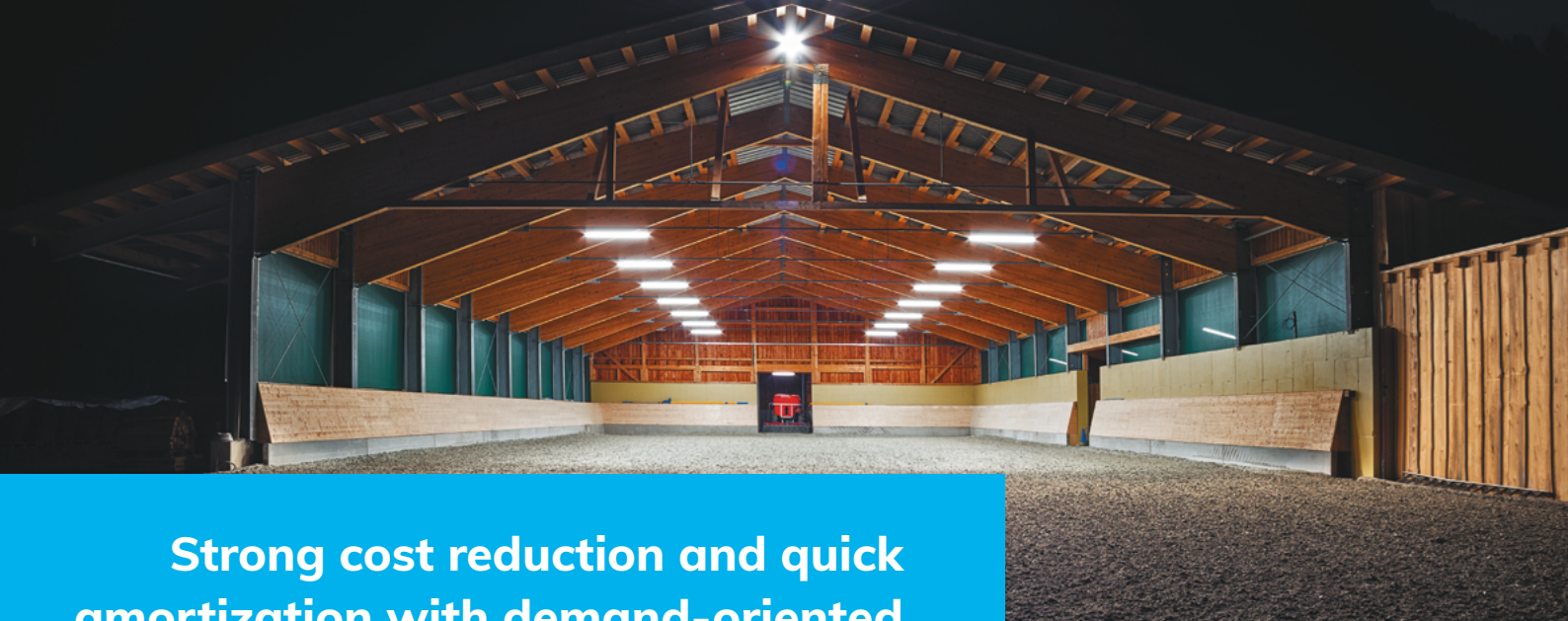
Basically, the following applies to emergency lights and escape route luminaires etc:

- ✓ **Placement at least 2m above the ground** (visible from both sides)
- ✓ **Distance <2m for each exit door to be used in an emergency**
- ✓ **Distance <2m for every stair, height or direction change**
- ✓ **Escape signs must be illuminated in the event of a power failure**
- ✓ **Distance <2m at any first aid kit or fire alarm point**
- ✓ **The minimum lighting intensity on escape and rescue routes is 1 lux on the ground,**
- ✓ **where the ratio of maximum to minimum lighting intensity must be <40:1.**
- ✓ **(At machines or places with special hazards 15lx at light median <10:1**

Note on planning emergency lighting systems

When planning an emergency lighting system, we recommend consulting an expert in this field who can guarantee compliance with all European standards.





**Strong cost reduction and quick
amortization with demand-oriented
light quality**

LED Highbay LUMINAIRES



LED highbay luminaire
TOQ 85 ° C



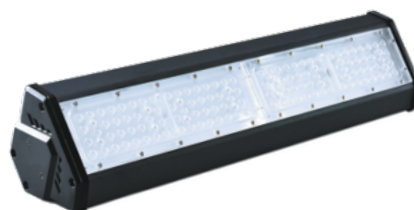
LED highbay luminaires
series FL



LED Highbay luminaires
series MS



LED highbay luminaires
series SK



LED highbay luminaires
series LN



Powerful with guaranteed long-term quality!

LED FLOODLIGHTS



LED floodlights 2 year guarantee



LED floodlights 5 year guarantee



LED CCT floodlight



LED RGB floodlights



LED floodlights with motion sensor





For optimum visibility on roads,
carparks, parking areas and pedestrian
areas

LED STREET / CAR PARK LIGHTING





Top LED lighting quality for sport and leisure | Project Support from planning to commissioning

LED SPORTS FACILITY LIGHTING



Construction industry and trade

LED floodlighting systems also provide perfect illumination on construction sites, logistical handling areas such as ports and train stations, and many other industrial areas.



SAFETY

Good lighting is an important prerequisite for safety in the workplace. Especially when working at night and in bad weather, it reduces accidents and elevates productivity.



ENERGY EFFICIENCY

In contrast to conventional lighting, LED floodlighting has the advantage of being very energy-efficient and long-lasting.



QUALITY

The floodlights have a high protection class and are therefore perfect for construction sites and various other industrial applications with their low dust and water sensitivity.



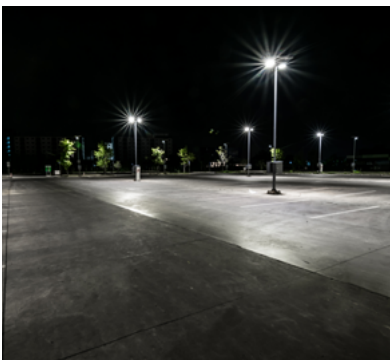
Power plants



Construction crane



**Building yard/
recycling yard**



Car parks



Train stations



Port/Wharf

ISOLED[®] TECHNOLOGY

On the pulse of progress

Driven forward by the innovative power of our specialist team as well as the increasing demands for our customers and the market, taking into account the latest technologies, we develop and design much improved and completely new LED components, products and lighting systems.

Unique through customised

In close cooperation and intensive exchange of our product management team with the production side research & development team, trendsetting, solution oriented and custom lighting concepts with the highest economic and environmental energy efficiency arise.



QUALITY IS NO
COINCIDENCE

Our customers and partners benefit consistently from quality, functionality and efficiency.

Sustainable Performance Values and Stable Light Quality

- High energy-efficient light output
- Exact binning
- High-end LED chips, PCBs & Components
- Standardised electronics Excellent product grades
- Reliable thermal management
- Tested materials

Modern ISOLED[®] lighting laboratory

- Multistagequality control
- Batch-managed material flow
- Quality management & warranty services
- Internal & external Quality audits
- Customer-oriented return management
- CE certification

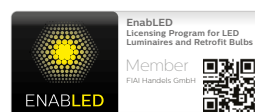
Visionary Innovation

- Product Development
- Intelligent Product Design
- Compact Construction
- Precision Manufacturing Processes
- Latest LED Technology
- Strict Quality Criteria

YOUR PARTNER

ISOLED[®] SINCE 2008

Licensed partnerships



SIGNIFY = PHILIPS

PRODUCT QUALITY AND DESIGN

SUSTAINABLE QUALITY

Your quality requirements are our touchstone

For our customers and partners, we undertake to sustainably supply lights, lighting construction elements and systems, control equipment based on the latest LED technology, as well as all services in

- best and guaranteed quality,
- with the greatest possible ecological efficiency as well as
- economic stability of value sustainably.



ISOLED® Data sheets

Real performance data measured under real conditions are published in a data sheet for each item. Every customer has direct online download access.



Sustainable quality and operational safety

The complete LED ISOLED® product range is CE-marked and therefore complies with the requirements for product conformity according to the latest EU guidelines.

A tested and certified CE product coordinator from ISOLED® takes on the implementation of all ongoing internal standards and cross-checks of the EU regulations. Supplier audits ensure compliance with the CE requirements by the manufacturer.

The heart of our light laboratory are the two ulbricht spheres (diameter 0.5 m and 1.7 m), which are used to measure photometric data.

Trust through data transparency

REAL PERFORMANCE DATA

The satisfaction of our customers and partners is achieved through data transparency. As part of a regimented multi-stage quality control programme, we test and measure all photometric parameters and in addition to numerous additional details, include these within our product datasheets. Our specified performance data are NOT the result of physical or theoretical calculations, but they correspond to the photometric values of the final overall product actually measured in our in-house light laboratory. (I.e. including reflectors, optics, housing - measured under real ambient conditions, etc.)

On request, we can of course also provide specific reports from our photometric test laboratory.



Whether it is a new acquisition or a conversion to LEDs, both cases are long-term investments. Against this background, it is of particular importance to consider the following quality features in the decision-making process:

- Materials of the individual components (e.g. aluminium housing)
- Glasses and covers
- High-quality workmanship (pay attention to seams and connecting pieces - small proportion of load-bearing plastic elements)
- High quality lacquers
- TÜV certification
- Protection class IP (dust and water protection)
- D-marking acc. EN 60598-24 (LED lights suitable for use in fire-endangered locations)
- Glare factor (UGR acc. EN 12464)
- Timeless and architecturally integrating aesthetics

Your quality standard is our touchstone!

The matching LED illuminants are of tested quality and designed for commercial use. LED branded products from ISOLED® consist exclusively of high-quality components, which are manufactured in selected materials in modern and innovative production processes. Only tested LED chips and standardised components (excellent quality classes) are used.

They convince with their performance values:

- service life
- Light quality
- Luminous flux
- Light intensity
- Color rendering
- Color temperature
- Connected load
- Heat generation (cooling) etc.

LED chips and components of the highest quality classes

LED branded products from ISOLED® consist exclusively of high-quality components, which are manufactured in selected materials in modern and innovative production processes.

Only tested LED chips and standardised components (excellent quality) are used. Our LED products must meet the prescribed performance values in accordance with the strictest quality and test criteria without any complaints in order to be finally released for sale.



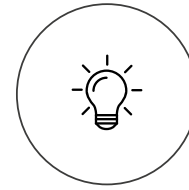
ADVANTAGE THROUGH KNOW-HOW



Improving consultancy skills

We combine many years of experience in technical application areas with LED know-how and pass both on to our employees.

With a deep understanding of the economic and environmental efficiency of LED light solutions, as well as enthusiasm for this sustainable and environmentally friendly type of lighting, they support our customers and partners through each LED project.



Specific customer training

We have a major interest, in training you and your employees in the topics of

- ISOLED® Product knowledge,
- ISOLED® application technology,
- LED basic knowledge and
- LED sales

for basic training and further development.

„Confidence comes with knowledge, this is why we share our expertise!“

ISOLED® Team

ISOLED® ACADEMY

TAKE ADVANTAGE OF OUR OFFER

We offer **onsite and offsite training**. Whether in-house, by phone or webinar - you and your employees will receive all information and documents from us.

- » LED know-how
 - LED technology basics
 - ISOLED® product training
 - ISOLED® workshops for LED application technology
 - ISOLED® Workshop “Lighting design with DIALux”
 - Customer-specific LED workshops

- » ISOLED® sales support for customers, partners and their staff
 - LED starter support for trade and crafts
 - Target group definition/market approach - How to reach your target customers (ISOLED® industry focus)!
 - 100% LED - targeted argumentation with facts. With knowledge you score points with customers!
 - 100 % ISOLED® - this is how you and your customers benefit from the ISOLED® range of services!
 - Customer-specific ISOLED® workshops

We would be happy to create your personal training program tailored to your team!

Please contact us and book your individual workshop!

ACADEMY





MORE THAN "JUST A WEB-SHOP"

In our extensive online portal you will find everything your "LED heart" desires. Whether knowledge, training or video instructions - we provide you with all the materials and services that you or your customers need.

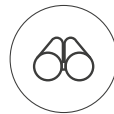
KNOWLEDGE



ADVANTAGE THROUGH KNOW-HOW. WE SHARE OUR KNOWLEDGE!

Bundled knowledge on important topics from LED technology as well as application-specific assistance and instructions.

INDUSTRY FOCUS



YOUR ASSISTANT FOR ACHIEVING JUST THE RIGHT APPEAL FOR YOUR BUSINESS!

We support you in your target group-oriented market approach with our ISOLED® sector focus.

PRODUCT WORLD



ALWAYS THE RIGHT LIGHT FOR YOUR APPLICATION!

Over 3,050 high-quality LED branded items and numerous new products.















ISOLED® download area

- » Product documentation
- » Instructions
- » Product specifications in digital form
- » Light calculation files
- » CE declarations of conformity
- » Print version of our product catalog
- » ISOLED® Product knowledge
- » ISOLED® application technology
- » LED basic knowledge
- » LED initial assistance for sales



ISOLED® ONLINE PORTAL

ALL BENEFITS AT A GLANCE

-  Discount classification and terms and conditions agreement with our sales staff
-  complete product documentation for free download approved
-  Offer submission for project inquiries through our Inside / outside sales
-  Contact person at ISOLED® (Inside / outside sales)
-  free, easy and unbureaucratic registration
-  unrestricted access to Light calculation files
-  ordered by 11 a.m., usually dispatched the same day
-  continuously secure connection to the ISOLED® online portal high security standards
-  Current product availability can be called up in real time High product availability
-  free online and offline version of the ISOLED® catalog
-  direct order entry Order history can be called up at any time
-  Status overview and online Tracking of completed orders

ISOLED® INFOMAIL

SUBSCRIBE WITHOUT OBLIGATION AND CANCEL AT ANY TIME

With the ISOLED® Infomail and you will benefit immediately from our special offers, LED product news and many interesting facts from the world of LED technology.



INFOMAIL

Become a partner today and register NOW!





Product catalog ISOLED®

- » 1200 pages full of highlights
- » 35.000 pieces Circulation
- » Available in: DE, EN, FR, IT & HU
- » Online flip catalog and high-quality print version

Choose from over 3.050 items!

- » Innovative LED brand products
- » Over 100 product categories
- » Sustainable, intelligent lighting solutions
- » Individual lighting concepts
- » Manufactured light elements
- » Special designs and OEM production

We advise you personally and support you in the realisation of your projects!

AT WWW.ISOLED.AT
DE WWW.ISOLED.DE
CH WWW.ISOLED.CH

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Imprint This catalog is produced and published by ISOLED® FIAI Handels GmbH in Egerbach 48, A-6334 Schwoich, AUSTRIA |.

Company register number FN304126w | UID number: ATU63995500

Please note that we use all products and services exclusively **according to our terms and conditions and warranty conditions** to offer. You can download it from our homepage.

Datasheets and other technical information can be found on our homepage at www.isoled.at / www.isoled.de / www.isoled.ch / www.isoled.hu / www.isoled.it / www.isoled.fr.

Please note: The technical information in this catalog is correct at the time of printing and has been determined to the best of our knowledge. Nevertheless we reserve the right to errors and misprints. The information is used to provide a more detailed description of the item, but are not guaranteed properties if they are not expressly designated as such. / The items in this catalog can be removed from the ISOLED® product range at any time without replacement. / We reserve the right to make changes in favor of technical progress or to adapt to changed standards or regulations. / Photos and drawings in this catalog are exemplary embodiments and are not binding for the execution of the delivery. / ISOLED® FIAI Handels GmbH is not liable for any unavailability of the catalogue products. / ISOLED® FIAI Handels GmbH is also not liable for any direct, indirect, incidental or other damages (including, but not limited to, lost profits, lost revenues or similar economic damages) arising out of the use of information contained in this catalog. / A violation of property rights or the use of text and layout design (including photos) without our approval are not permitted and will be prosecuted. / The presentation of our products is made possible by the courtesy and consent of the owners of the surroundings that can be seen superficially in the pictures. We want to express our thanks for this.

Version 2202/2024

ISOLED® AUSTRIA Technology and Logistics Center

ISOLED® FIAI Handels GmbH | Egerbach 48 | A-6334 Schwoich | Tel: +43 5372 219999 | E-Mail: office@isolated.at

ISOLED® AUSTRIA
www.isoled.at

ISOLED® GERMANY
www.isoled.de

ISOLED® SWITZERLAND
www.isoled.ch

ISOLED® FRANCE
www.isoled.fr

ISOLED® ITALIA
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ISOLED® HUNGARIA
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ISOLED® AUSTRIA
ISOLED® FIAI Handels GmbH
Egerbach 48
A-6334 SCHWOICH
AUSTRIA

Tel: +43 5372 219 999
E-Mail: office@isoled.at
www.isoled.at



ISOLED® GERMANY
FIAI Trading GmbH
Hollerweg 3
D-85649 BRUNNTHAL
GERMANY

Tel: +49 810 48 999 200
E-Mail: office@isoled.de
www.isoled.de



ISOLED® SWITZERLAND
Allegra Swiss GmbH
Einsiedlerstraße 15a
CH-8834 SCHINDELLEGI
SWITZERLAND

Tel: +41 44 787 04 75
E-Mail: info@isoled.ch
www.isoled.ch

99,3 %

**of our customers and partners
recommend ISOLED® !**

YOUR DEMAND IS OUR MOTIVATION!