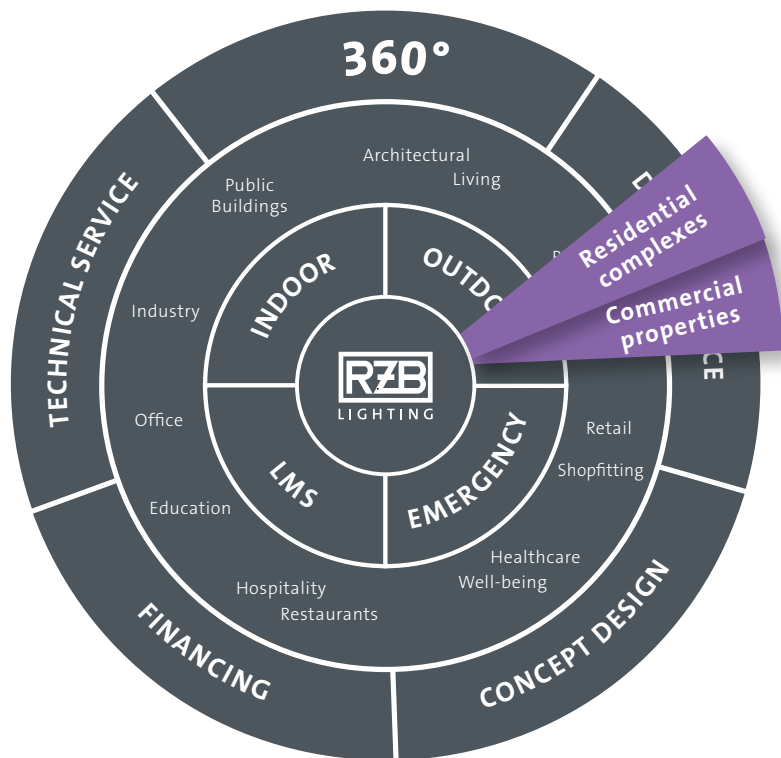


360° LIGHT
REAL ESTATE INDUSTRY



360° LIGHT COMPETENCE

RZB - YOUR PARTNER
WITH AN ALL-ROUND VIEW



As a multi-specialist, RZB has stood for intelligent lighting solutions “Made in Germany” for more than 85 years. We offer you continuity, sustainability and long-term partnerships. As a diversified group of companies, our manufacturing operations in Bamberg are highly vertically integrated.

Our design and innovation prizes, DIN-ISO 9001 certification and awards for

sustainability activities underline the mindset of our family-run business. We focus on the development and production of indoor and outdoor luminaires, emergency luminaires and light management systems.

We have also recently launched our new brand RZB ENERGY – a modular concept of luminaires with an integrated charging function.



REAL ESTATE INDUSTRY

CHALLENGES AND OPPORTUNITIES

The real estate industry is one of Germany's largest economic sectors and is currently facing enormous challenges, such as digitalisation, climate protection, a shortage of skilled workers, rising construction costs, high demand for building modernisation and refurbishment and the need for sustainable and flexible residential, office and commercial real estate solutions.

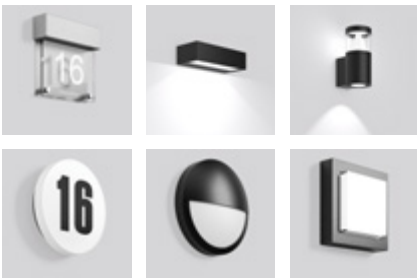
How will our home and working lives evolve? How can we leverage the state-of-the-art to shape the construction, extension, modernisation and maintenance of buildings in a way that meets our needs sustainably but cost-effectively?

Along with acoustics, room temperature and design, the cognitive aspect of light has a major influence on the wellbeing of tenants, homeowners and employees. Energy-efficient, innovative and digital lighting solutions by RZB provide safety, orientation and ambiance both indoors and outdoors – in new builds and refurbishment projects.

360° LIGHT COMPETENCE

OPTIMUM LIGHTING SOLUTIONS FOR
EVERY APPLICATION

ON THE BUILDING



HOUSE NUMBER LUMINAIRE
DESMONDO
MEGA CONE

FLAT SLIM STEP
ROUNDED
CADERO

IN THE BUILDING

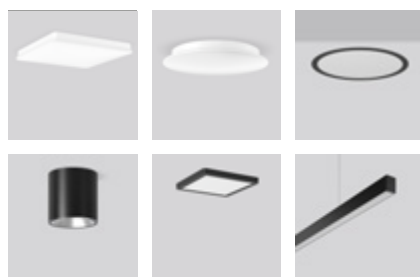


PLANADO
PLANOX ECO
STANDARD

AVIATO
LEVIDO
DEECOS



STAIRWAYS AND CORRIDORS



MONDANA
FLAT SLIM DISC
TOLEDO FLAT+

ANDHO
TRIXY
LESS IS MORE 27

LIGHT AND BUILDING MANAGEMENT



CASAMBI SMART+FREE
LIGHT CONTROL+3
MULTIDIGIT AIR

EMERGENCY LIGHTING



GSUN S
FLAT SLIM ROUND
CENTRYXX D

FLAT POLYMERO
TOLEDO FLAT+
MEGA CONE



PATHWAYS AND PIAZZAS



GONIA
MINGATA
LIGHTSTREAM

LUPALO
BOCARO
LUPALO SCANDIA

PARKING AND RECHARGING



LUPALO
LINEDO
MURALO

BOCARO CHARGE
LUPALO LIGHT COLUMN
WALL CHANNEL

HIGHEST PRODUCT AND CONSULTING QUALITY

FOR A TANGIBLE ADDED VALUE.

⊕ EFFICIENCY

Using scarce resources wisely and sparingly is a challenging responsibility for the real estate industry. Whether you are optimising energy use in existing buildings or new builds, RZB lighting solutions are smart, digital and efficient. And with control modules integrated into the luminaires or by using professional light management systems, you can achieve additional potential savings.

- + Lower energy costs
- + Lower CO₂ emissions
- + Lower maintenance costs

⊕ ORIENTATION

The right lighting ensures that people can find their way safely to and around the building. It also provides ambiance and emotional wellbeing. Well-placed luminaires and varied lighting design help to structure outdoor areas and corridors, accentuate staircases and provide emergency and safety lighting to illuminate escape routes in accordance with standards.

- + Clear routing
- + Standards-compliant lighting
- + Custom control

⊕ FLEXIBILITY

Future oriented living and working environments demand flexible organisational structures and a modern lighting system that can be adapted to changing and individual needs. Thanks to economical light planning, an extensive product portfolio and the use of intelligent light management systems, RZB enables its customers to make the necessary changes and so ensures long-term flexibility.

- + Lighting systems that easily can be expanded
- + Freedom of design
- + Future-proof systems

⊕ RELIABILITY

We are the partner you can rely on. We support your project from the initial idea to its implementation and far beyond. Personally, passionately and individually. Thanks to excellent professional expertise and top-quality products along with services such as light planning, profitability analysis and commissioning, we meet the high requirements of all parties involved in the planning process.

- + Provision of BIM files
- + Quick and easy installation
- + Quality and long warranty periods



© Linus Lintner

WHAT DOES THIS MEAN?

We believe in uncompromising quality. Our products are developed and manufactured with the greatest care, and our consultation is extraordinary.

We are solution-oriented and work accurately and responsibly, and always in accordance with our SMART TECHNOLOGY and EXCELLENT DESIGN guidelines.

Each process step is strictly controlled and continuously optimised throughout the value chain, right through to our after-sales service.

We go the extra mile to provide our customers and partners with superior efficiency, motivation, flexibility and reliability, adding tangible value in every way.

- ⊕ Qualified consultation
- ⊕ Proficient planning
- ⊕ High energy savings
- ⊕ First-class product quality
- ⊕ Property-specific custom solutions
- ⊕ Digital services
- ⊕ 5 year warranty
- ⊕ Financing



©Gerhard Hagen Fotografie, Bamberg

ACCESS BALCONIES



Flat Polymero



Andho



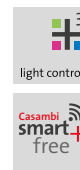
Desmondo



Zono



Flat Quadrat



Task + challenge

Utilisation units with recreation rooms, such as apartments or doctor's surgeries, must have escape and rescue routes that lead directly to the outside. These are often the access balconies on the outside of the façade.

- Standards-compliant illumination
- Energy costs
- Architectural design

Lighting solution

Flexibly mountable wall and ceiling luminaires such as Flat Polymero or Mondana are ideal for access balconies thanks to their multifunctionality, including preset luminous intensities, colour temperatures and integrated emergency lighting.

- Sensor-controlled luminaires
- Safety and emergency lighting
- Luminaires with a high protection type

Added value for the user

Future-proof lighting solutions contribute to a building's commercial success. Minimalist product design blends seamlessly into the architectural theme.

- Vandal and theft proof
- On-site service provided by RZB light management experts
- Minimised energy and maintenance costs



FAÇADES



Cadero



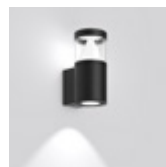
House number luminaire



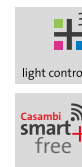
Flat Slim square



Rounded



Mega Cone



Task + challenge

In compliance with environmental compatibility, façade lighting should emphasise the structure of the building, ensure orientation and safety, and meet regional requirements where applicable by providing a house number luminaire.

- Reduction of light pollution
- Long-term trouble-free operation
- Energy efficiency

Lighting solution

House number luminaires with daylight and motion sensors, dark-sky-compliant façade spotlights and dynamically controllable lighting solutions from RZB meet legal standards and design requirements.

- Top-quality products for extreme weather conditions
- Orientation and safety
- Accentuate the architecture of the building

Added value for the user

Designing façades with glare-free light defines their architectural long-distance impact on the cityscape and is kinder to people, animals and plants.

- Minimises energy and maintenance costs
- Increased recognition value
- Environmental protection



© Linus Lintner

PATHWAYS AND STREETS



Bocaro



Gonia



Mingata



Lightstream



Lupalo



Mains DIM



Step DIM



City Touch ready



CLO
Constant Light Output



E-Charging



Astro DIM



eSAVE



ULR = 0%



E-Charging



E-Charging

Task + challenge

The energy-efficient lighting of pathways, parking areas and green spaces plays an important role, also with regard to the external appearance of the building and user safety. The environmental requirements concerning correct light distribution and colours must be met.

- Weather conditions
- Environmental protection and species conservation
- Standards-compliant design

Lighting solution

Weather-resistant spotlights, pole-mounted and bollard luminaires, designed by RZB in accordance with standards, ensure safety and orientation. A wide range of light distributions and design approaches provides a solution for every urban setting.

- Extensive product portfolio
- CityTouch-ready
- Precision design to reduce light emissions

Added value for the user

Sufficiently powerful luminaires protect parking areas against theft and vandalism. The transition to electromobility means that outdoor areas are also being equipped with charging infrastructure. Bollards and light columns of the range RZB ENERGY combine lighting technology with charging technology.

- Guaranteed insurance cover
- Quality made in Germany
- Retrofit as charging station



PARKING AND CHARGING INFRASTRUCTURE



Lupalo
light+charge



Bocaro
light+charge



Muralo
Wallbox



Wall channel



Bocaro
charge



Task + challenge

E-mobility is also changing real estate requirements. The German Building Electromobility Infrastructure Act (GEIG), which came into force on 24 March 2021, requires planners to incorporate a charging infrastructure in new builds and in larger existing buildings.

- Higher costs
- Lack of specialist expertise
- Many providers, varying quality

Lighting and charging solutions

RZB ENERGY supplies modular, architecturally superior bollards and light columns with an integrated charging function for private, semi-public and public areas. The portfolio comes complete with customisable, retrofittable wall trunking for underground car parks, wall boxes, and sustainable charging columns made from natural stone.

- Configurable to project requirements
- Integration into urban planning

Added value for the user

RZB ENERGY's hybrid solution saves investors' time and money by allowing them to install lighting and charging functions in one step. From an urban planning and design perspective, the solutions blend seamlessly into outdoor areas.

- Retrofit as charging column
- Lower installation costs
- Made in Germany



© Caroline Feraud Photographie, Marseille

UNDERGROUND AND MULTI-STOREY CAR PARKS



Planox ECO



Linedo



GSUN S



Planox PRO



Planado



Task + challenge

The challenge in underground and multi-storey car parks is to provide sufficient light levels and uniformly lit surfaces so that users feel safer as well as find their way around easily. Light management offers great energy-saving potential in car parks, because people come and go rather than being there all the time.

- On-demand lighting systems
- Uniformly lit surface

Lighting solution

Continuous lines, moisture-proof and diffuser luminaires by RZB are economical – not only thanks to extremely simple, ultra-fast installation and ease of maintenance, but also to efficient LED modules in sturdy housings with low surface temperatures. As such, they provide high-quality light and are very durable.

- Control via light management system
- Escape route luminaires, either self-contained or for a central emergency power supply

Added value for the user

Simple installation and easy maintenance, replaceable LED modules, durable and reliable installed materials and components. Sliding mounting clips ensure easy installation for a 1 to 1 replacement.

- Economical in price and maintenance
- IP 66 for high protection against moisture and dust
- Quick installation (1 to 1 replacement)



CORRIDORS AND STAIRWAYS



Flat Slim square



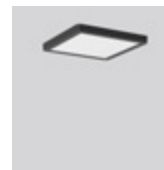
Mondana disc



Toledo Flat+



Andho



Trixy



Task + challenge

Traffic routes are used for moving safely around a building, especially in an emergency. Easy maintenance, uniformly lit surfaces and, of course, energy efficiency are a must.

- No tunnel effects
- Minimum luminance 100 lx
- Safety guaranteed

Lighting solution

Ceiling and wall luminaires that can be controlled and connected, with movement sensors, corridor and emergency lighting functions, provide uniform, cost-effective light distribution. Wirelessly networked self-contained emergency luminaires allow you to monitor and control the whole system.

- Uniformly lit surface
- Excellent glare suppression
- Safety and routing function

Added value for the user

Using economical, standards-compliant lighting in both regularly and occasionally frequented areas reduces maintenance costs and ensures user safety.

- Replaceable components
- Long-lasting and highly impact-resistant luminaires
- Minimised energy and maintenance costs



© Sascha Kletzsch, München

LIGHT AND BUILDING MANAGEMENT



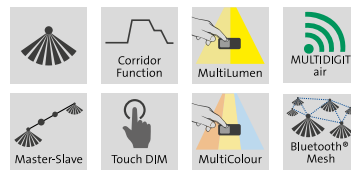
light control +³



light control +³



Casambi smart+ free



Task + challenge

One of the construction tasks in the real estate industry is digitalisation. Integrating intelligent, resource-friendly light and building management systems in new builds and refurbishment projects requires professional planning.

- Increase in energy efficiency
- Construction challenges
- Budget

Lighting solution

When converting to LED, only three-core wiring is usually available in existing buildings. Intelligent LED luminaires with the Casambi smart+free module are easy to install and can be wirelessly controlled via Bluetooth®.

- Bluetooth® control for existing buildings
- Consultation, planning, efficiency analysis and commissioning by RZB

Added value for the user

Adjusting the luminous intensity and colour creates a variety of spatial impressions. You can store lighting scenarios and call them up with a push-button, tablet or smartphone. Daylight-dependent control reduces energy consumption.

- Expandable, future-oriented lighting system
- Minimised energy costs

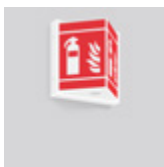


© Linus Lintner

EMERGENCY LIGHTING



GSUN 3



Centryxx D



Flat Polymero



Toledo Flat+



Mega Cone



Task + challenge

If general lighting fails, people must be guided safely to the designated escape routes and emergency areas. This includes lighting and routing at every changing direction.

- Escape route illumination and signage in accordance with DIN EN 1838
- Safe, low-maintenance installation
- Integrated product design

Lighting solution

Anything is possible: RZB integrate the emergency lighting function into the general lighting and provide minimalist special luminaires for indoor and outdoor areas down to -20°C as well as wirelessly connected systems.

- Professional planning by RZB
- Self-contained or central emergency power supply
- Requirements-based custom solutions

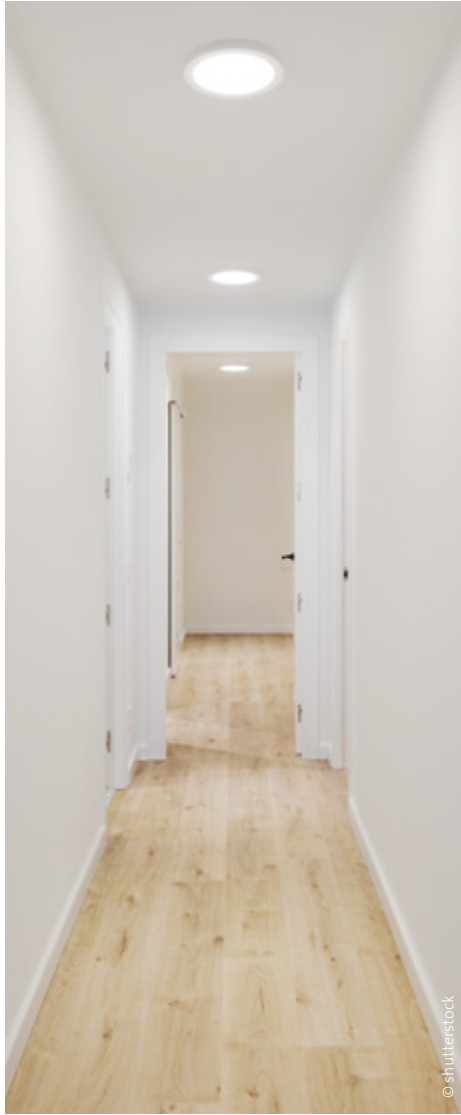
Added value for the user

Special lenses for wide luminaire spacing along escape routes, and therefore lower installation and maintenance costs. Convenient monitoring systems ensure that everything stays up and running.

- Easy, maintenance-free installation
- Consistent lighting design thanks to all-in-one solution
- Reliable monitoring



© Tom Bauer AD Photography



© shutterstock



© Linus Lintner

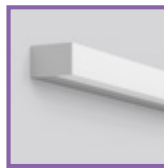
LIVING SPACES AND SANITARY FACILITIES



Less is more 50



Trixy



Aviato



Levido square



Sarina



Task + challenge

When fitting out rental accommodation and business premises, you need robust, budget-friendly luminaires that are easy to install, have a long service life, and can be replaced 1 to 1 in refurbishment projects.

- Procurement and installation costs
- Maintenance costs/vandalism
- Existing structural conditions

Lighting solution

Flexible, multifunction luminaires, glare-free downlights and shadow-free mirror luminaires provide uniform, energy-efficient lighting that keeps landlords and tenants happy.

- MultiColour, MultiLumen, MultiCutOut functions
- Quick and easy installation
- A choice of special refurbishment luminaires

Added value for the user

Energy-efficient illumination of large areas adds value to the property. The comprehensive portfolio covers everything from low-budget lighting to high-end architectural design.

- Replaceable components
- Lasting quality and long warranties



ANCILLARY ROOMS



Standard



Mondana disc



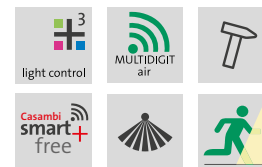
Planox ECO



Planox



Planado



Task + challenge

Whether in residential or commercial properties, lighting in basements and storage areas is essential. As such, property investors appreciate low procurement costs, while landlords and tenants value low maintenance and repair costs.

- Robust, effective and affordable
- Vandalism
- Cost-effective

Lighting solution

Virtually indestructible oval luminaires, multifunctional moisture-proof luminaires and diffuser luminaires especially suitable for 1 to 1 replacement in refurbishments are ideal for long-lasting use in ancillary rooms.

- Flexible wall or ceiling installation
- Through wiring
- Integrated sensors

Added value for the user

Whether a new build or a refurbishment, professional consultation and planning by RZB's expert teams will optimise your property's ROI. The timeless product designs blend into any type of space or architecture.

- Low installation and maintenance costs
- Integrated emergency lighting function
- Light planning by RZB for optimised efficiency



© Linus Lintner

RETAIL PREMISES



Deecos



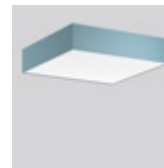
Linedo



Rondos



TX-Move



Flatliner



light control



HACCP



Food



Casambi smart+ free



CRI >90



MultiColour

Task + challenge

Whether a bakery, bank or boutique, basic illumination for commercial premises requires flexible systems that quite literally put products in the best light. Depending on requirements, it must be possible to vary the position, beam angle and light colour of luminaires without the use tools.

- Individual product ranges
- No vacancies
- Brand staging

Lighting solution

Flexibly positionable track spotlights with lamps and lenses that can be changed without tools help to showcase the goods and bring customers flocking through the doors. And if at some point a bakery becomes a boutique, these interchangeable components can be adapted to new requirements at low cost.

- Choice of the right light colour
- Professional light planning by RZB

Added value for the user

Nowadays, thriving neighbourhood developments are places to live, work and shop. Combining all these elements benefits investors, landlords, tenants and customers as well as preserving property values.

- Cost-effective adaptation to individual needs
- A more vibrant neighbourhood
- User wellbeing



© Linus Lintner

COMMERCIAL PRACTICES



Toledo Flat+



Beamline Slim



Twindot



Less is more 27



Sidelite Round



light control



COI compliant



MultiColour



HCL ready



Casambi smart+ free



MultiLumen



RUG ≤ 19

Task + challenge

Whether a yoga or beauty studio, therapy clinic or GP practice, facilities within easy reach improve a neighbourhood's quality of life for young and old alike. And the lighting quality must be tailored to each purpose.

- Glare-free lighting
- Compliance with workplace regulations
- Professional planning

Lighting solution

Based on what a space is used for, lighting must be professionally designed to facilitate the correct diagnosis or therapeutic treatment and to meet hygiene requirements.

- As much light as necessary or as little as possible
- Determination of the best light colour
- Custom lighting moods with light management systems (HCL)

Added value for the user

Lighting these types of commercial spaces requires professional lighting design. RZB also offers programming and commissioning services for lighting systems – guaranteed for up to ten years depending on the requirements.

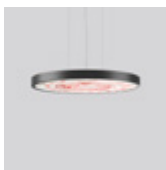
- 360° customer care by RZB experts
- Refurbishment luminaires for 1 to 1 replacement



MEETING PLACES



Levido



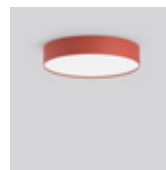
Triona



Flatliner



Sidelite ECO round



Flatliner slim



Task + challenge

Social care crisis. Shortage of skilled labour. Youth crime. Migration issues. For the construction industry, integrative living is high on the agenda. Cafés for seniors, youth centres, educational and meeting places are more and more common not only in new-build projects, but also in existing neighbourhoods. Lighting can make a significant contribution to these spaces.

- User wellbeing
- Inviting appearance

Lighting solution

Depending on the age of the users and the range of events on offer, light colour and intensity need to be managed flexibly. Casambi app-controlled systems by RZB are suitable for existing buildings, while professional RZB light management systems can be integrated in new builds.

- Programming and commissioning by RZB
- Consideration of different visual tasks

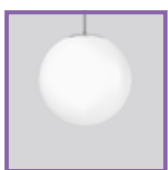
Added value for the user

Successfully converting a meeting space or venue involves providing multifunctional areas where the lighting is tailored to the users. This is sure to encourage high footfall all day long.

- Appeal of the neighbourhood
- Integration and wellbeing of all residents
- Prevention of loneliness and crime



MUNICIPAL PRESCHOOLS



Basic Ball



Flatliner



Mondana disc



Flat Polymero
Kreis



Toledo Flat



light control



Casambi
smart+
free



MULTIDIGIT
air



Task + challenge

The proximity of preschools, crèches and child daycare centres is now a key factor in where people choose to live and work. The lighting integrated into the interior design should set defined, colourful accents and meet high safety requirements.

- Recognition of the group rooms
- Robust luminaires
- A pleasant atmosphere

Lighting solution

Customisable, colour-accented fabric lampshade luminaires by RZB can be adapted to any room concept. Ball-proof luminaires ensure safety in gyms, if required. Efficient, lighting solutions eligible for BEG subsidies are ideal for sustainable new-build and refurbishment projects.

- Use of fabric lampshade luminaires
- Eligible for BEG subsidies
- Long service life

Added value for the user

Children's wellbeing and safety is paramount, as is their ability to identify strongly with their environment. The range of attractive local preschools also boosts the residential appeal of the neighbourhood.

- Cost-effective refurbishment
- Outdoor, indoor and emergency lighting all from a single source
- Happy, long-term tenants



REFURBISHMENT



Plania



Trixy



Less is more
Vario



Toledo Flat+



Refurbishment
frames



Task + challenge

Rising energy prices, climate change and new legislation have drastically increased the need for modernisation in the real estate sector. The cost of this on top of rising inflation is putting both landlords and tenants under pressure.

- Resource-friendly, energy efficient refurbishment
- Change of use
- Cost-effective

Lighting solution

RZB develops concepts for efficient energy management and supports on every step of the way from phase analysis to design, implementation and optimisation of the lighting system. Installation-friendly refurbishment luminaires and frames simplify 1 to 1 replacement.

- Custom, variable special luminaires
- Multifunction luminaires
- Use of light management systems

Added value for the user

The comprehensive approach helps you improve your energy efficiency and take a positive step towards a sustainable future. Subsidy-eligible refurbishment luminaires increase cost-effectiveness.

- Cost control
- Increase of the property's appeal



NEW BUILD PROJECTS



Mondana quadra



Triona



Linedo



Less is more 50



Beamline slim



light control



MULTIDIGIT air



IoT



Casambi smart+ free



IoT



IoT

Task + challenge

New builds are subject to stringent requirements in terms of sustainability, design quality and flexibility. A future-proof, durable and aesthetically timeless lighting system fit for the entire life cycle of the property requires professional consultation.

- Outstanding energy efficiency
- Quality and design
- Guaranteed flexibility

Lighting solution

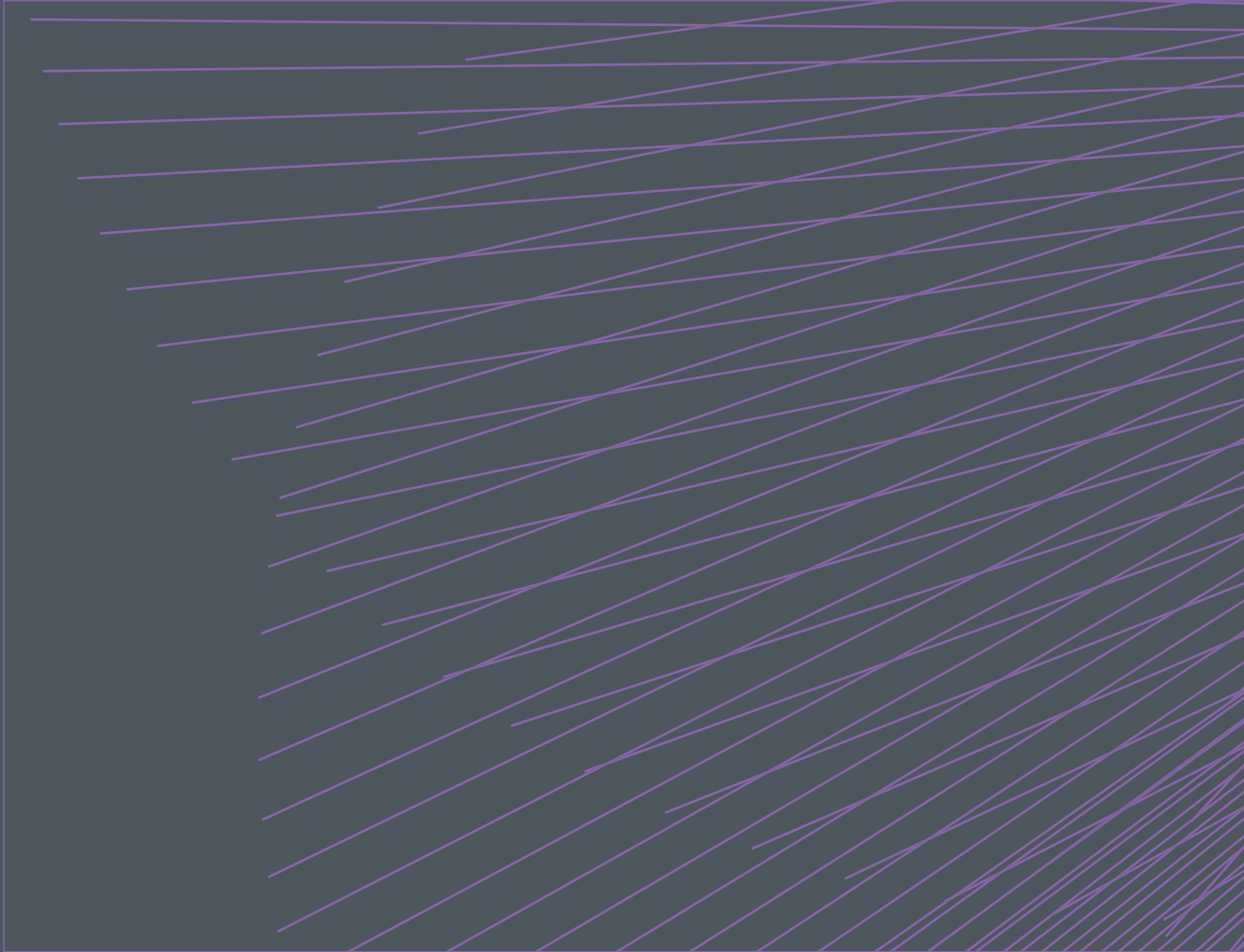
Whether you are working to a tight budget or have custom requirements, RZB's specialists provide professional consultation and design planning to find the most efficient lighting solution for any construction project. And we don't stop there: as your long-term partner, we continue supporting you after your project is complete.

- Project-specific special luminaires
- Custom-programmable light management systems
- Digitally connected lighting systems

Added value for the user

RZB's product range covers the whole spectrum of future-proof indoor, outdoor and emergency lighting, along with hybrid lighting and charging solutions as well as comprehensive services and warranties – "Made in Germany".

- Everything from a single source
- Long-term partnership
- ROI guaranteed



RZB
Rudolf Zimmermann,
Bamberg GmbH

Rheinstr. 16
96052 Bamberg
Germany

Phone +49 951 79 09-374

www.rzb-lighting.com
export@rzb.eu

