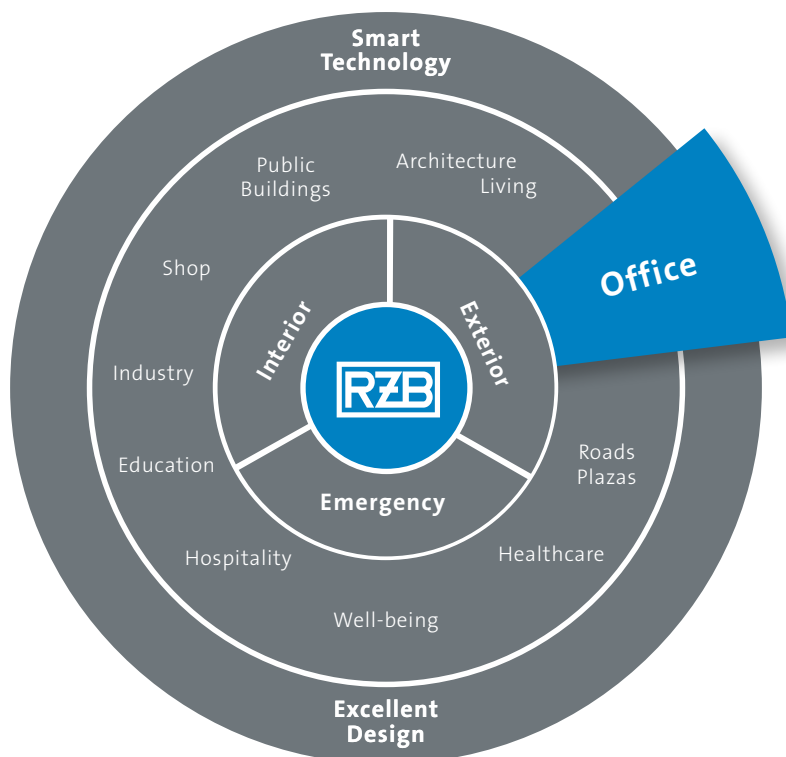


360° LIGHT  
**OFFICE**



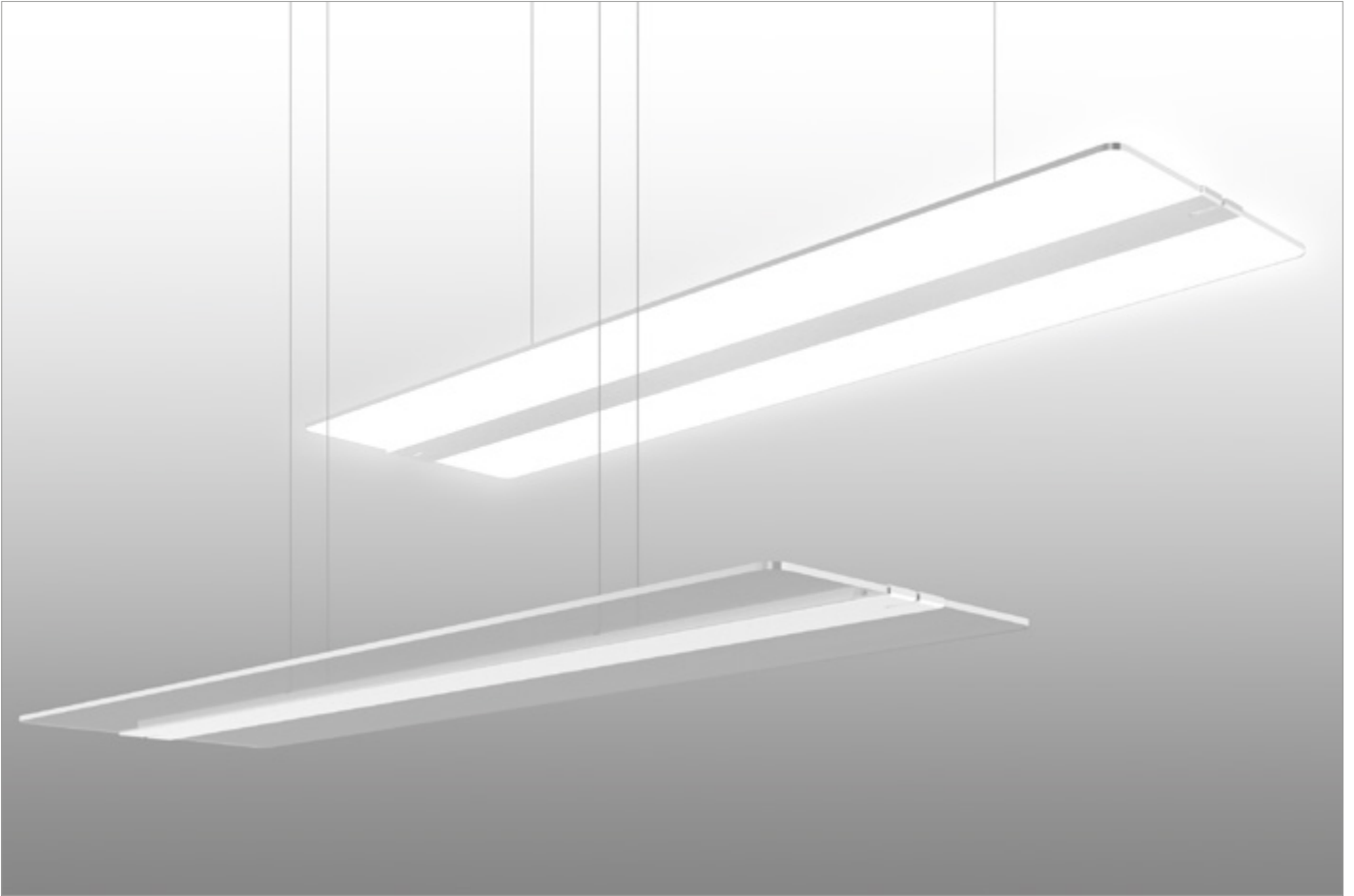
# 360° LIGHT COMPETENCE

RZB - YOUR PARTNER  
WITH AN ALL-ROUND VIEW



As an all-rounder for lights and luminaires, we provide highly efficient products, progressive LED technology and excellent light quality "Made in Germany". As a family business, we offer continuity, sustainability and long-term partnership. Our broad portfolio consisting of indoor and outdoor lighting, emergency luminaires and systems comprises more than 20,000 products today.

We guarantee the uncompromising quality of these products with in-house development, production and certified quality assurance. With lighting solutions that are precisely tailored to our customers' and partners' requirements, they demonstrably benefit from significant energy savings, lower operating costs, long term planning security and short payback periods.



# OFFICE LIGHTING 4.0

## Welcome to the office of the future!

How are we going to be working in the future? Where will office work and the transfer of knowledge take place and how do these environments need to be designed to sustainably foster performance, motivation and innovation?

In spite of the trend towards home offices and the possibilities offered by digital communications, studies show that talking face-to-face at work is one of the drivers that nurtures creativity and innovation. So the conditions need to be the best they possibly can.

Cognitive factors – such as lighting, acoustics, ambient temperature and interior design – influence employees well-being and performance. Yoshio Taniguchi, for example, is a scientist whose team realised that relatively low light intensity of between 250 and 500 lux can help to stimulate creativity.

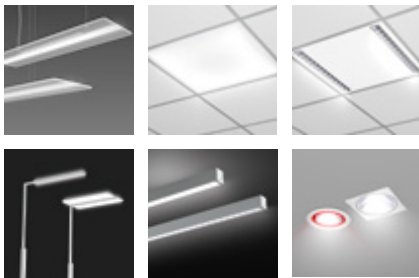
Dynamic lighting (HCL) at work encourages the evolution of ideas, creativity, the ability to concentrate, regeneration and stress reduction.

Work environments turn into a crucial competitive advantage.

# 360° LIGHT COMPETENCE

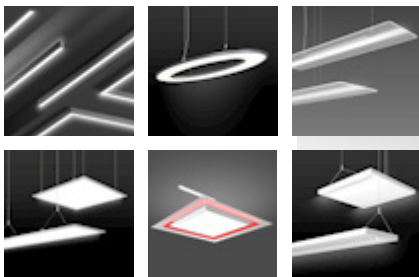
OPTIMAL LIGHTING SOLUTIONS  
FOR EVERY APPLICATION

## INDIVIDUAL AND OPEN PLAN OFFICES



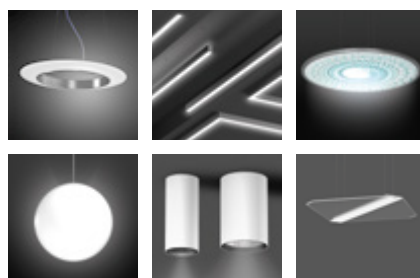
TWINDOT  
SIDELITE ECO  
SONIS EVO  
FREE STANDING LUMINAIRES  
LESS IS MORE  
PASCALA

## MEETING AND CONFERENCE ROOMS



LESS IS MORE  
SIDELITE ELLYPSOID  
TWINDOT  
SIDELITE  
ECONE  
SONIS EVO

## RECEPTION AND FOYER



RING OF FIRE  
LESS IS MORE  
SIDELITE ROUND  
BASIC BALL  
HELEDON  
TWINDOT



## LIGHT MANAGEMENT



SMART+FREE  
LIGHT CONTROL+<sup>3</sup>

## EMERGENCY LIGHTING



GSUN S  
CENTRYXX D  
HALYXX  
SIDELITE ECO  
TOLEDO FLAT  
CENTRYXX

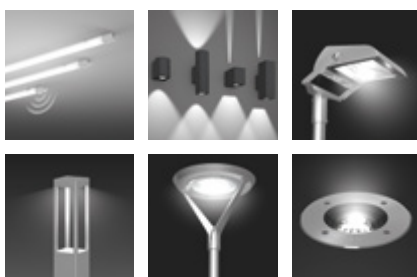
## RECREATION ROOMS AND CORRIDORS



FLATLINER SLIM  
INDUSTRIAL HALL  
TOLEDO FLATLINER  
TOLEDO FLAT  
LEDONA  
LESS IS MORE



## CAR PARKS AND OUTDOOR FACILITIES



PLANOX ECO  
WALLSCAPING  
LIGHTSTREAM  
BOCARO  
LARUTA  
TERRA EDELSTAHL

# HIGHEST PRODUCT AND CONSULTING QUALITY

**For a tangible added value.**

## ⊕ EFFICIENCY

Handling scarce resources economically and carefully is a responsibility and challenge for companies. When upgrading the energy efficiency of an existing office complex or erecting a new building, office lighting made by RZB is smart, digital and efficient. Control modules integrated right into the luminaires or professional light management systems enable further savings potential to be leveraged.

- ✓ Lower energy costs
- ✓ Less CO<sub>2</sub> emissions
- ✓ Falling maintenance costs

## ⊕ MOTIVATION

The quality of light is a key factor that influences staff well-being and creates a work environment that is both stimulating and motivating. Biodynamic lighting made by RZB focuses on people and enables individual design of the work atmosphere or the simulation of natural daylight progression. Standard-compliant office luminaires reduce glare at computer workstations and encourage work effectiveness.

- ✓ Employees are more satisfied
- ✓ Individual choice of colour temperature and light intensity
- ✓ Foster creativity and performance

## ⊕ FLEXIBILITY

Constantly changing work environments and flexible organisational structures in offices necessitate modern lighting systems that can be adapted to accommodate changing and individual needs. With its cost-efficient light planning, comprehensive product portfolio and use of smart light management systems, RZB can facilitate these changes for its customers and thus ensure flexibility in the long run.

- ✓ Easy extension of lighting systems
- ✓ Comprehensive design scope
- ✓ Reassurance for the future

## ⊕ SAFETY

We are your dependable partner. We help you realise your project from initial idea to implementation and far beyond. Personally, passionately and individually. With our excellent professional skills, outstanding product quality and services that include light planning, cost-benefit analysis and commissioning, we can meet the stringent requirements of all stakeholders in the planning process.

- ✓ Provision of BIM files
- ✓ Simple and quick installation
- ✓ Quality and long warranties



## THIS MEANS?

For us, quality means not to make any compromises: Our products are developed and produced with the greatest care, our consulting quality is deemed above average. We work accurately, responsibly and solution oriented and always compliant with our SMART TECHNOLOGY and EXCELLENT DESIGN guidelines. Each process step is strictly controlled and continuously optimised along the entire value chain up to the after sales service.

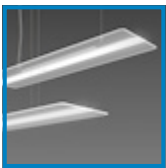
This is the only way for us to be sure to provide our customers and partners with the highest degree of efficiency, productivity, flexibility and reliability, and thus a tangible added value in every regard.

- ⊕ Qualified advice
- ⊕ Professional lighting design service
- ⊕ High energy saving
- ⊕ First class product quality
- ⊕ Project specific solutions
- ⊕ Digital services
- ⊕ 5 years warranty
- ⊕ Financing



© Imageflow/Shutterstock

## INDIVIDUAL OFFICES



TWINDOT



Sidelite



Less is more  
Kristall



Less is more 50



Triona



### Task + Challenge

Individual offices at management level need to exude a representative air and a certain „personal touch“. A flexible lighting solution is required that allows the light intensity to be adjusted to match the function and occasion.

- Sophisticated, individual design
- Lighting for desks and meeting areas
- Individually controllable, standard-compliant lighting

### Lighting solution

RZB offers award-winning luminaire designs that provide gentle, glare-free light and guarantee standard-compliant (500 lx) lighting at computer workstations. Smart light management systems create an atmospheric ambiance and make it easier to opt for the right decision when the evening is wearing on again.

- Large portfolio of representative luminaires
- Outstanding product and light quality
- Individual control, e.g. via smart+free

### Added value for users

The innovative capabilities of a company are visible to customers, employees and suppliers through the use of next-generation technologies, which include energy-efficient, controllable lighting - for example with the **TWINDOT** – that satisfies the most sophisticated design requirements.

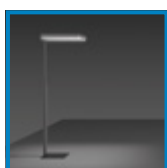
- Represent a company's competence
- High-performance LED technology
- Enhance well-being





© Fotostudio Lippmann

## FLEXIBLE WORKSTATIONS



Sidelite free-standing



Less is more free-standing



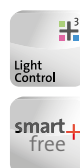
Sidelite ECO free-standing



Sidelite ECO



Less is more 27



### Task + Challenge

Open plan offices do not offer much scope for individual workstation design. The work environment needs to be optimised to increase staff motivation, performance and well-being. The right choice of luminaires is key in this respect.

- Tenant and staff flexibility and mobility
- Glare-free, individual lighting for each workstation

### Lighting solution

Frequent changes require a flexible interior design concept. Mobile, controllable **free-standing luminaires** enable individual workstation design and assign the employee their space within the architectural environment. Other types of luminaire are used to distinguish traffic zones.

- Choice of colour temperature and light intensity
- High proportion of indirect lighting creates a pleasant ambience in the space

### Added value for users

The use of mobile free-standing luminaires enables adjustment of workplace situations to changing needs. Expanding the systems is easy. The energy-saving potential in large spaces is enormous.

- Increase productivity and well-being
- Flexible tenant solution
- Planning scope that is fit for the future



© Fotostudio Lippmann

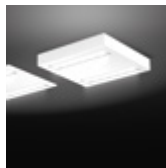
## OPEN PLAN OFFICE



Sonis EVO  
recessed



Sonis EVO  
pendant



Sonis EVO  
surface mounted



Less is more 50



Pascala



### Task + Challenge

Rooms planned for flexible usage over the long term require a lighting solution that meets to all requirements. The luminaires need to be attractively integrated into the ceiling design and not be overly conspicuous – both inside and out.

- Lighting for multi-functional areas
- Rooms with good daylight incidence
- Luminaires integrated into the ceiling design

### Lighting solution

Luminaires with the [Alea Optical System](#) made by RZB create what is known as the darklight effect, i.e. observers are not aware of where the light is coming from. The ceiling appears calm and inconspicuous. Such lighting solutions guarantee glare-free and even workstation lighting with standard-compliant 500 lx.

- Predestined for bright ambient spaces
- Comprehensive product portfolio featuring the Alea Optical System

### Added value for users

Lighting that belongs to the inventory and is not workstation-specific enhances flexibility when selecting tenants. Reducing the visible illuminated areas focuses perception on the modern architecture with good daylight incidence.

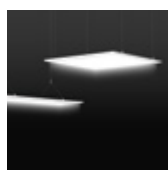
- Enhance employees well-being
- Flexible solution for landlords
- Huge scope for design



## GROUP OFFICE



Sidelite ECO recessed



Sidelite ECO pendant



Sidelite ECO surface mounted



Econe



Sidelite



### Task + Challenge

Lighting areas that are deep or have poor daylight incidence are particularly challenging. For structural reasons, suspended grid ceilings are usually chosen, which are suitable for flexible utilisation concepts. The lit areas become an integral part of the design and furnishing concept.

- Rooms with poor daylight incidence
- Luminaires enhance the ceiling design

### Lighting solution

Perceptible light sources, such as **Sidelite ECO** area lighting enhance the impression made by a room with poor daylight incidence. Usability in grid ceilings, cut-out ceiling openings or surface mounted guarantees maximum flexibility with regard to room utilisation.

- Glare-free and standard-compliant lighting for computer workstations
- Huge choice of products, controllable variants

### Added value for users

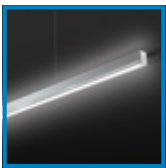
Using daylight-dependent control minimises energy consumption – creating circadian daylight progression (HCL) enhances the well-being of staff in offices with poor natural daylight.

- Flexible room utilisation
- Take advantage of the benefits of light management systems
- Enhance well-being



© Linus Lintner

## MEETING ROOMS



Less is more  
27/50



Sidelite ECO



Sidelite  
Ellypsoid



TWINDOT



Deecos



### Task + Challenge

Nowadays, meeting rooms are much more than just somewhere to meet informally. In non-territorial office concepts, particularly, they also serve as places for retreat, work or presentation.

- Lighting for desks and meeting areas
- Blackout for presentation areas
- Flexible lighting concept

### Lighting solution

The slimline **Less is more** linear system is particularly versatile. Various sizes/lengths, optical systems and types of installation enable the elegant and precise distribution of light in a room.

- Rooms can be separated into several lighting zones
- Light management systems can create various lighting scenes
- Standard-compliant (500 lx) lighting for computer workstations

### Added value for users

The luminaires can be controlled by smartphone app. Users can load pre-programmed scenes or can adjust the lighting individually to suit their needs.

- Adapt to the relevant utilisation
- Simple Bluetooth control by smartphone
- Configurable linear luminaire systems offer scope for design



## CONFERENCE ROOMS



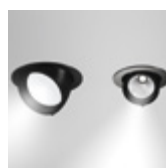
Less is more  
27/50



Econe



Sonis EVO



Golas



Pascala



Light  
Control



smart+  
free

### Task + Challenge

External visitors, training sessions, presentations or work groups: a conference room must meet different utilisation requirements. A controllable lighting system is therefore required that does not glare even if the table arrangement changes.

- Suitable for computer workstations
- Controllable and dimmable lighting
- Integration into the media and functional concepts of the room

### Lighting solution

The **Less is more** linear system is integrated flexibly into the ceiling. The professional light control+<sup>3</sup> controller is used to load programmed lighting scenarios ranging from evenly bright for video conferences to blackout for presentations.

- Perfect illumination of multimedia and multi-functional conference rooms
- Optional on-site support from RZB light management experts

### Added value for users

Lighting scenes ranging from office lighting that is suitable for computer workstations to cinemas allow the widest range of uses and turn a conference room into a genuine multi-functional room. Slimline Less is more luminaires guarantee outstanding light quality despite their minimalist design.

- Integration in acoustic ceilings
- Flexible room utilisation
- Representative design



© Sascha Kletzsch, München

# LIGHT MANAGEMENT | HUMAN CENTRIC LIGHTING



light control +<sup>3</sup>



light control +<sup>3</sup>



light control +<sup>3</sup>



smart+free

### Task + Challenge

When planning contemporary office concepts, focus is increasingly shifting to the occupants. Satisfied employees are becoming a key competitive advantage. The use of light management systems not only allows individual requirements to be met; it can also save considerable energy.

- Individual lighting adjustment
- Human centric lighting (HCL) solution

### Lighting solution

By dimming or adjusting the light colour, employees can create their own personal lighting. Fixed sequences (light scenes) based on HCL principles can be just as easily pre-programmed. The smart **light control +<sup>3</sup>** light management system guides users through the process of capturing daylight incidence and/or presence to ensure the best possible energy efficiency.

- RZB light planning + efficiency calculation as per ENEC / DIN 18599

### Added value for users

Using daylight-dependent control helps to reduce energy consumption – creating circadian daylight progression enhances the well-being of staff in offices with poor natural daylight.

- Minimised energy consumption
- Flexible light management solution that is fit for the future
- Staff well-being + performance capability



© Jürg Knuchel

## LIGHT MANAGEMENT | BLUETOOTH



smart+free

- Light management system for wireless lighting control via Bluetooth.
- 3-core wiring is sufficient
- Wireless networking with Bluetooth Low Energy
- Operation using standard pushbuttons, smartphones and tablet PCs
- Control from Android / iOS devices
- Free app available for download
- Light and movement sensors can be integrated

- HCL (tunable white) and RGB applications can be incorporated
- smart+free suitable luminaires have order numbers ending in **.730**

**The Casambi app is easy to get up and running. Simply follow these steps:**

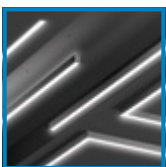
1. Download the app from the Apple app store or Google Play
2. Switch on all the smart+free operated luminaires
3. Open the app
4. The app will automatically find all the smart+free operated luminaires that are switched on
5. Tap on "Add all luminaires to..." my network
6. The app links all the luminaires to a network and automatically opens the "Luminaires" menu





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## RECEPTION



Less is more  
27/50



TWINDOT



Douala  
Kristall



Sidelite ECO  
round



Heledon



### Task + Challenge

There is no second chance to make a first impression. Reception is the gateway to a company and must be representative and inviting. As a permanent workstation, however, its lighting must be DIN-compliant.

- Representative impression of quality
- Pleasant, inviting atmosphere
- Workstation lighting compliant with DIN EN 12464-1

### Lighting solution

The [Less is more 27/50](#) LED linear system offers countless possibilities: With flush-, surface- or pendant-mounted luminaires in a choice of widths, lengths, optics and performance levels, the opportunities for creative light design are virtually endless.

- Extremely versatile linear system
- Sophisticated and high quality design
- “Endless line“ installations and connections without light slits are possible

### Added value for users

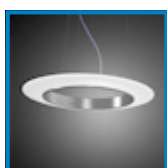
In this case, light is used to graphically design the ceiling and wall to represent the company as a brand, together with the architecture. Additionally, it fulfils the required level of lighting at the reception desk and functions as a guide system for the traffic routes.

- Visual experience for visitors
- Corporate identity presentation
- Illumination with guide function





## FOYER



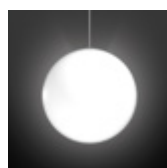
Ring of Fire



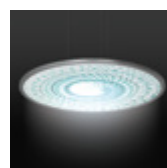
Ledona



Scapha



Basic Ball



Sidelite Round  
FerroMurano



### Task + Challenge

Foyers in office buildings are areas designed with more architectural sophistication to demonstrate a company's importance and culture to visitors. The lighting must provide good illumination to create an open and pleasant atmosphere.

- Even, glare-free light distribution
- High quality design
- Open and inviting

### Lighting solution

Pendant luminaires can be used in high entrance halls to vary the mounting heights of the light sources in order to achieve good illumination of the full height of the area. The marked indirect effect of **Ring of Fire** glass luminaires is beneficial. **Ledona** recessed downlights brighten the peripheral areas.

- Pendant luminaires ensure even light distribution over the full height of the area
- Elegant opal glass luminaires with perfect direct and indirect illumination

### Added value for users

However, the luminaires with their award-winning design become a sculptural object. They enhance the open architecture by using different pendant lengths to reflect the levels of the free-standing staircases.

- Prestigious installation with excellent recognition
- Striking design reflects the corporate culture
- Strong lighting creates an impression of openness



© Eibe Sönneckten

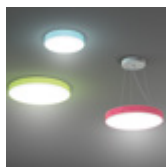
## RECREATION ROOMS



Mondana E



Toledo Flatliner



Flatliner Slim



Sidelite Round



Industrial Hall



### Task + Challenge

Nowadays, recreation rooms are more than just conventional kitchens. They are places to communicate and relax. The task of the lighting is to create a good atmosphere while at the same time fulfilling the functional requirements.

- 200 lx required by DIN EN 12464-1
- Technical light for functional areas
- Illumination of well-being zones

### Lighting solution

The diffusive basic lighting provided by the **Mondana** range is supplemented by directional light from spots and downlights that are used to specifically illuminate functional and peripheral areas. The fabric lampshades on the **Toledo Flatliner** pendant luminaires create a homely atmosphere.

- Combination of diffusive and directional light
- Even illumination
- Decorative luminaires in the seating area

### Added value for users

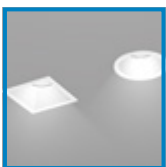
Vibrant in-house communication is a huge bonus for any company. The outstanding light quality and pleasant surroundings in the recreation area encourage people to come together during their break. The colour scheme reflecting the corporate design fosters identification with the company.

- Employee satisfaction
- Room exudes an impression of quality



© Linus Lintner

## CORRIDORS



Levido



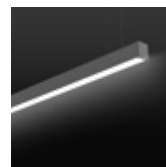
Ledona



Toledo Flat



Flatliner Slim

Less is more  
27/50

### Task + Challenge

Although traffic routes are designed to ensure safe movement throughout a building, they are also used for informal chats. Friendly and even illumination is crucial. If a corridor borders on a workstation with no privacy afforded, limiting the glare at the workstation is a key factor when lighting the corridor.

- Avoidance of tunnel effects
- 100 lx minimum light intensity
- Safety must be assured

### Lighting solution

Compact **Levido** recessed downlights are particularly suitable for low ceilings. They ensure broad yet glare-free illumination of the traffic routes and thus enable design of the transition from office area to corridor.

- Even horizontal and vertical illumination
- Recessed LEDs ensure very good glare suppression
- Guide function

### Added value for users

The transparency of the architecture continues into the lighting concept. Glare limitation is assured and the visual transition from corridor to office is clearly stated.

- Attractive transition from open plan office area to corridor
- Easy orientation
- Durable LEDs keep energy and maintenance costs low



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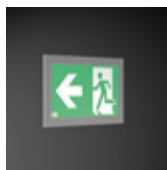
## ESCAPE ROUTE IDENTIFICATION



GSUN S



Halyxx



Tenuo



Signcube



Centryxx



### Task + Challenge

If the general lighting fails, safe guidance of staff and visitors to the marked escape routes and emergency areas must be assured. This includes signage at each change of direction.

- Escape route signage as per DIN EN 1838
- Emergency electricity supplied by self-contained luminaires or central emergency power supply
- Compliance with required recognition ranges

### Lighting solution

The **GSUN S** self-contained emergency LED luminaire is the all-rounder among display luminaires. Designed for variable ceiling and wall installation and standard equipped with four motifs, it is suitable for 90% of all possible applications – and looks really good, too.

- GSUN S - for universal use
- Standard automatic self-test
- Housing made of top quality aluminium

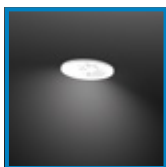
### Added value for users

In smaller buildings, especially, escape route luminaires with integrated battery are the perfect choice as they eliminate the need for a central power unit. Emergency luminaires made by RZB blend well into modern architectural surroundings and guarantee even illumination and fast installation.

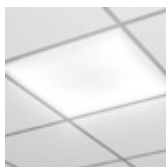
- For maintained and non-maintained power modes
- For 1h/3h/8h operation
- Special adapter for fast installation



## ESCAPE ROUTE ILLUMINATION



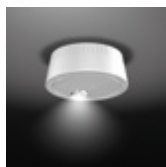
Turia L



Sidelite ECO



Centryxx



Lucio



Toledo Flat



### Task + Challenge

In the event of a power outage, the escape routes and emergency areas must be lit to ensure people can leave the room or building safely. Firefighting and safety equipment must be easy to find and quick to put into operation.

- Installation as per DIN EN 1838
- Safe and low-maintenance installation
- Inconspicuous design

### Lighting solution

If the general lighting does not have an emergency lighting function, supplementary special luminaires are required. **Turia L** is a minimalist small luminaire that is nevertheless ideally suited for illuminating escape routes or emergency areas thanks to its lenses.

- Self-contained luminaire or for use with central emergency power supply
- RZB luminaires with integrated escape route lighting

### Added value for users

Special lenses enable wide spacing of the luminaires used to illuminate escape routes and thus keep installation and maintenance costs low. High-performance LED technology and easy-to-use monitoring systems ensure trouble-free operation.

- LED rated life of 50,000 hours
- Specially calculated heat management
- For different monitoring systems



© Linus Lintner

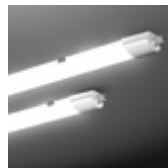
## CAR PARKS



Planox LED



Planox ECO



Planox PRO



Planox Tube



Planos IP 54

### Task + Challenge

Care must be taken in underground garages to ensure sufficiently bright lighting and even illumination so that users feel safe and can find their way around easily. Light management systems enable the energy-saving potential of such sporadically frequented areas to be leveraged.

- Demand-driven lighting systems
- Even illumination enhances safety

### Lighting solution

The Planox range is economical – not only because it is easy to install and requires little maintenance but also because of its efficient LED modules in their stable housing with low surface temperature. Thus ensuring durability and outstanding light quality.

- Can be controlled by light management system
- **Planox LED**: also suitable as escape route luminaires, self-contained or for use with central emergency power supply

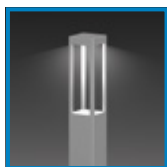
### Added value for users

Simple installation and easy maintenance, replaceable LED units or modules, durability and reliability of the installed materials and components. Installation clips that can be moved to simplify installation when replacing 1:1

- Cost-efficient procurement and maintenance
- IP 66 ensures excellent protection against moisture and dust
- Time-saving installation (1:1 replacement)



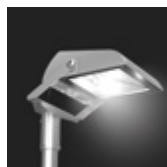
# OUTDOOR FACILITIES



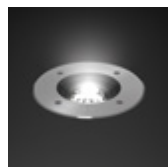
Bocaro



Laruta



Lightstream  
LED



Terra Edelstahl



Wallscaping

**Task + Challenge**

Exterior lighting on commercial buildings not only reflects a firm’s corporate identity; it also and above all enhances the feeling of safety when it is dark outside.

- Illumination of traffic areas
- Lighting as a façade design feature
- Regulation-compliant (EN12464-2 / EN13201) depending on the requirements for the area

**Lighting solution**

**Bocaro** bollards are a work of art in two respects: Firstly, the light emission area alone is a sculpture, and secondly the light distribution creates a graphic interplay of light and shadow.

- High-performance LED technology
- Six sizes to choose from
- Extremely sturdy design with stainless steel base

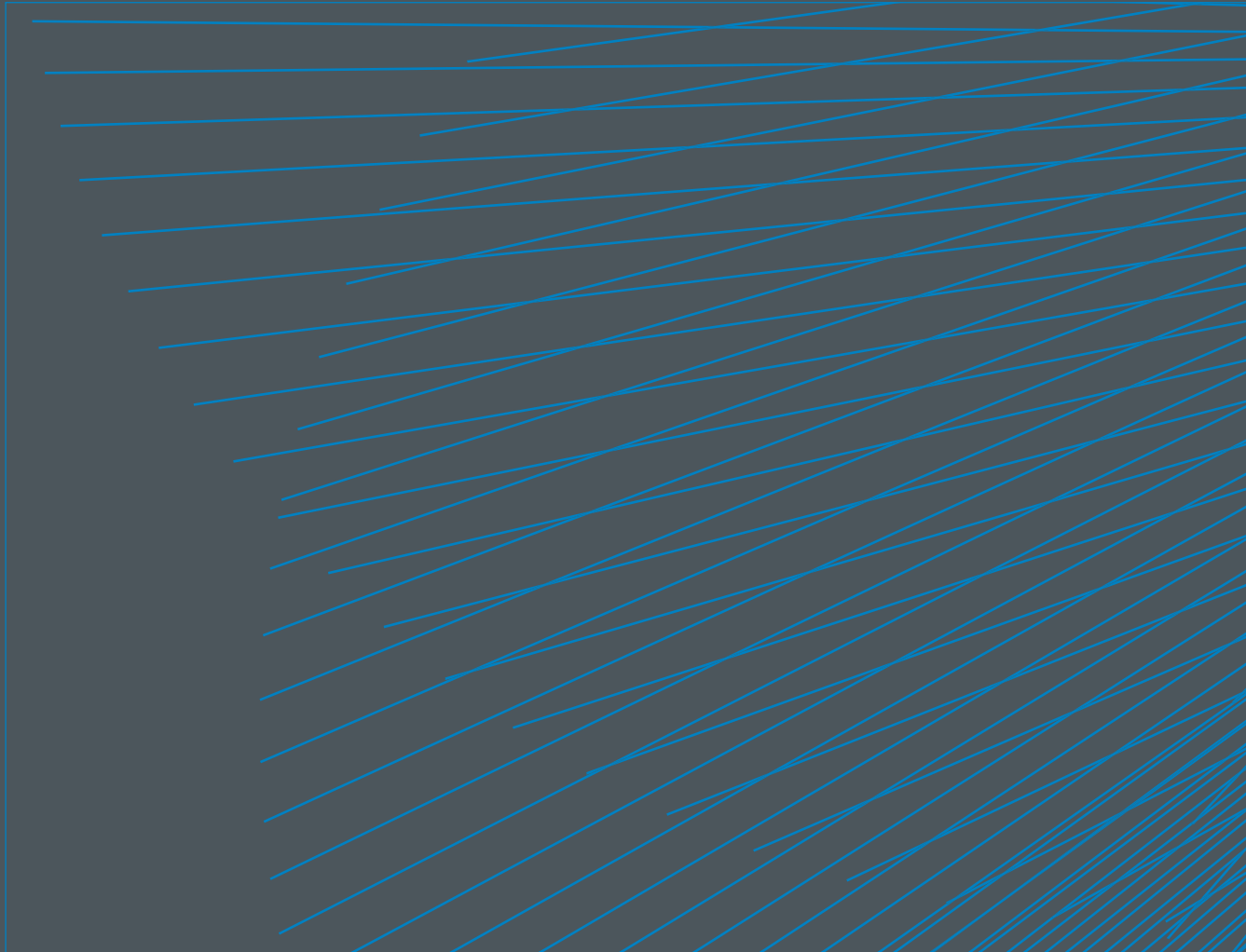
**Added value for users**

Combining light with architecture is an excellent means of communicating a corporate image that is both extremely appealing and memorable. High-quality exterior luminaires are durable and resistant to climate influences and vandalism.

- Light and luminaires used to represent a brand
- Representative and safe guidance
- Good recognition value



10.2018



**RZB**  
**Rudolf Zimmermann,**  
**Bamberg GmbH**

Rheinstraße 16  
96052 Bamberg  
Deutschland

(D, A, CH)  
Telefon +49 951/79 09-0  
Telefax +49 951/79 09-198

[www.rzb.de](http://www.rzb.de)  
[info@rzb-leuchten.de](mailto:info@rzb-leuchten.de)



(other countries)  
Telefon +49 951/79 09-374  
Telefax +49 951/79 09-212

[www.rzb-lighting.com](http://www.rzb-lighting.com)  
[export@rzb.eu](mailto:export@rzb.eu)



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