

LIGHT SELLS

TRUE SWISS RETAIL



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DISPLAY YOUR GOODS IN THE BEST POSSIBLE LIGHT. IN DOUBLE SWISS QUALITY.

Gain new clientele by transforming their shopping spree into a sensual experience. The most important tool for achieving this is creating the perfect lighting scheme. This applies as much to a department store as it does to a small boutique, a high-quality grocery store or an exclusive delicatessen. It is the light sources and their qualities, such as colour temperature and colour rendering, together with contrast and light distribution, that determine how your customers respond to the atmosphere in the space.

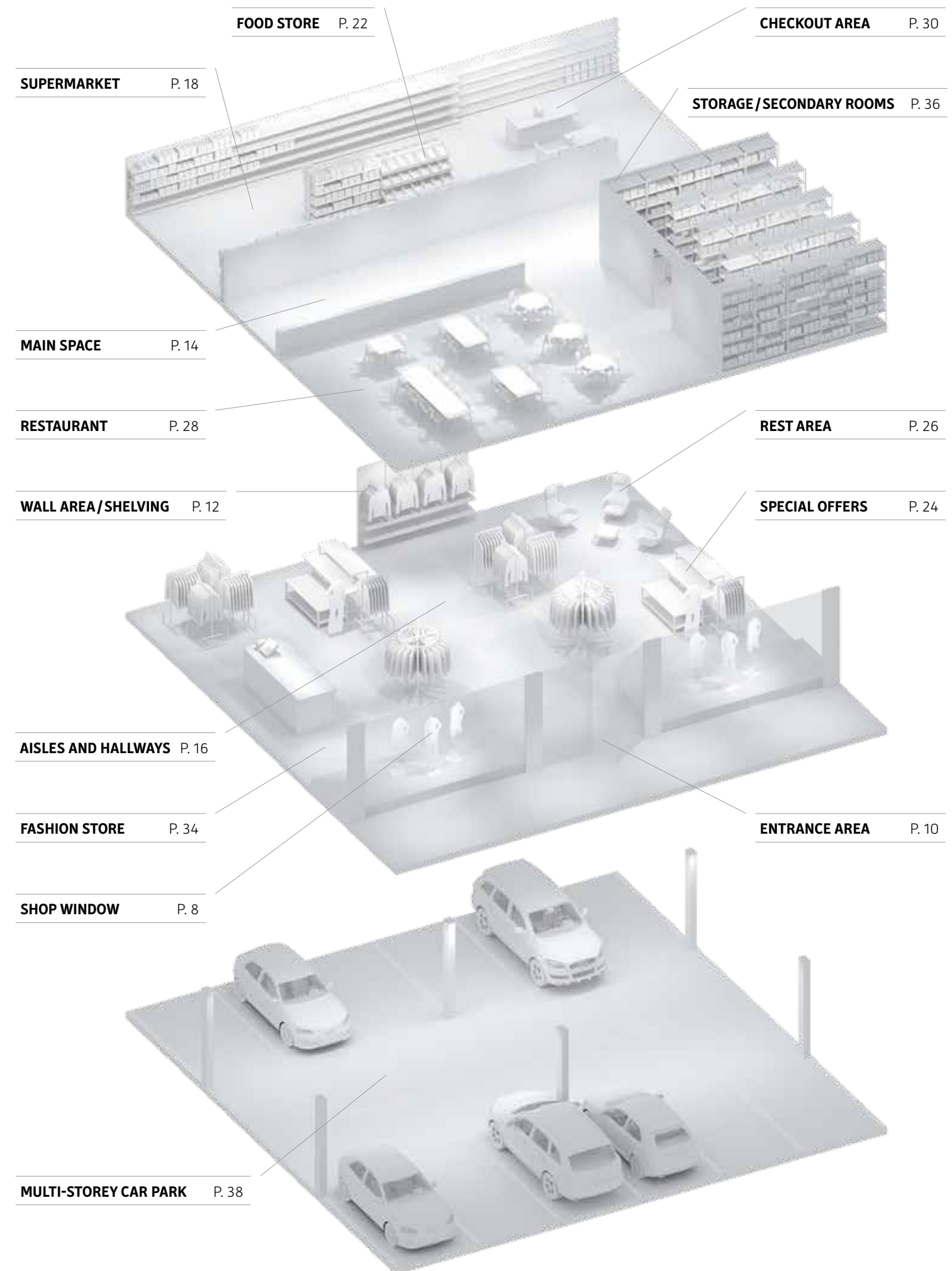
Only the perfect combination of technical know-how, years of project experience and high-quality products can guarantee the optimum lighting solution. Which is why two Swiss lighting companies – market leader Regent Lighting and leading shop and retail specialist RD Leuchten – have joined forces to ensure your project is achieved using first-class, future-oriented technologies. So you can count on reliable, innovative products – and you can count on competent specialists with a wealth of experience. Underlined by the quality we are known for.



SHOPPING BECOMES AN EXPERIENCE THAT ADDRESSES ALL YOUR SENSES. **THE TRUE VALUE OF LIGHT.**

From orientation to accentuation to creating a memorable scene – light can fulfil a number of tasks. It can help attract potential customers, encourage shoppers to stay on the premises longer, and stimulate consumer behaviour. Light thus also plays a key role in shop windows, fitting rooms and in checkout areas. In fact, wherever your customers go beyond browsing and embark on enjoying the shopping experience in your store.

Besides the emotional aspects of a lighting concept, there are also a number of «rational» aspects that need to be taken into account – energy efficiency and maintainability, in particular, given that operating costs are of key importance when it comes to the economic outturn.



CAR SHOWROOM P. 32

SHOP WINDOWS

REPRESENTING WHAT YOUR STORE IS ALL ABOUT.

THE CHALLENGES

The shop window is the first point of communication with the potential customer, serving as a stage for your products around the clock. It is designed to attract, inspire, animate and encourage people to enter the store. The products are the stars of the show, and are displayed to attract attention from a distance. Glare resulting from reflected sunlight, or street lights after dark, should not prevent passers-by from viewing the shop window content.

THE SOLUTIONS

- high-contrast lighting, dynamic effects, light from different directions, sparkle
- high luminances on the product displays
- carefully balanced front and background lighting
- coloured light for effect
- special filters to counteract glare
- intelligent interplay of light and shadow to enhance the impact from a distance
- clarify if there are any reflections caused by other buildings and incident daylight
- no glare for passers-by outside the store

WHAT MAY ALSO BE OF INTEREST TO YOU

Supermarkets P. 18, Food stores P. 22, Car showrooms P. 32, Fashion stores P. 34



LIGHTING CHECKLIST
Vertical illuminance: 1000 lx – 3000 lx
Colour rendering: CRI ≥ 80
Beam angle: narrow for products, flood for rear wall
Colour temperature: 3000 K, fashion, 4000 K
Lifespan: L80 50'000 h
Glare control: UGR ≤ 19
Luminous efficacy: ≥ 120 lm/W
Control: static or dynamic



SUITABLE PRODUCTS

Page numbers refer to the enclosed technical product overview

TRACK SPOTLIGHT

MOTORISED TRACK SPOTLIGHT



Beam 9



Frisk 12



Globo Mini 10



Matrix 4-6



Vario 7-8



Tablet Mini 14

RECESSED DIRECTIONAL SPOTLIGHT

GIMBAL RECESSED SPOTLIGHT



Frisk 20



Polar Universal 20



Carda 22



Prestige Carda 23

ENTRANCE AREAS

WELCOME EVERYONE
PERSONALLY.

THE CHALLENGES

The entrance area is where expectations can be raised and the shopping experience can begin. Make customers feel welcome by creating the right atmosphere and arouse their curiosity to want to know more. It is in the entrance area that the customer decides whether to embark on a shopping experience in that very store. Make a move to offer potential customers orientation. Your customers need to know what awaits them and be able to literally see which path to take. Provide some subtle accent lighting for the first product highlights.

THE SOLUTIONS

- generate a higher illuminance level
- carpet of light as a sign of welcome
- create interest in the background using wall-mounted luminaires
- avoid creating too soft or too harsh shadows on the faces of mannequins
- ensure paths and steps are adequately illuminated using step lights
- provide orientation by increasing the level of light towards the interior

WHAT MAY ALSO BE OF INTEREST TO YOU

Supermarkets P. 18, Food stores P. 22, Restaurants P. 28,
Car showrooms P. 32, Fashion stores P. 34



LIGHTING CHECKLIST
Vertical illuminance: 1000 lx – 2000 lx
Horizontal illuminance: 300 lx min.
Colour rendering: CRI ≥ 80
Beam angle: narrow, medium, flood
Colour temperature: 3000 K, fashion, 4000 K
Lifespan: L80 50'000 h
Luminous efficacy: ≥ 110 lm/W
Glare control: UGR ≤ 22



SUITABLE PRODUCTS

Page numbers refer to the enclosed technical product overview

RECESSED DOWNLIGHT

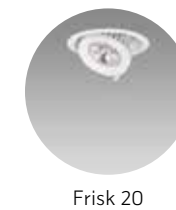


Carda Fix 17

Echo 15

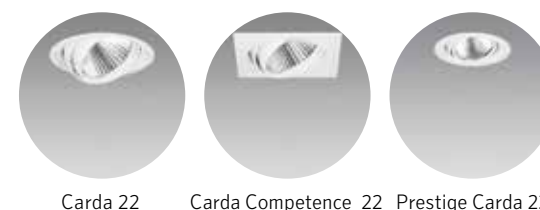
Prestige Fix 18

RECESSED DIRECTIONAL SPOTLIGHT



Frisk 20

GIMBAL RECESSED SPOTLIGHT



Carda 22

Carda Competence 22

Prestige Carda 23

RECESSED CEILING LUMINAIRE



Purelite 30

PENDANT LUMINAIRE



Solo Slim 24

WALL AREAS AND SHELVING

THE PRODUCT IS THE STAR OF THE SHOW.

THE CHALLENGES

Never allow your products to fade into the background – they need to be emphasised and attract attention. Create a variety of product worlds to inspire your customers and encourage them to purchase what appeals to them. At the same time, ensure the shopper has an overview of the retail space. This will help him/her to decide spontaneously to buy a specific product or garment. When developing the lighting concept it is important to incorporate a certain degree of flexibility in order to be able to respond to changes in the displays, the products themselves, or advertising materials.

THE SOLUTIONS

- attractive staging of the products using high-contrast effects and high luminances on the product displays
- sparkle and accent lighting to enhance the products and the display stands
- an even spread of light guarantees a low-contrast rear wall effect
- high vertical illuminance
- accent lighting that can be adjusted quickly and easily

WHAT MAY ALSO BE OF INTEREST TO YOU

Supermarkets P. 18, Food stores P. 22, Car showrooms P. 32, Fashion stores P. 34



LIGHTING CHECKLIST
Vertical illuminance: 1000 lx – 3000 lx
Colour rendering: CRI ≥ 80; CRI ≥ 90
Beam angle: narrow for products, flood for rear wall
Colour temperature: 3000 K, fashion
Lifespan: L80 50'000 h
Luminous efficacy: ≥ 120 lm/W



SUITABLE PRODUCTS

Page numbers refer to the enclosed technical product overview

TRACK SPOTLIGHT



Beam 9

Frisk 12

Globo Mini 10

Matrix 4-6

Vario 7-8

RECESSED DIRECTIONAL SPOTLIGHT

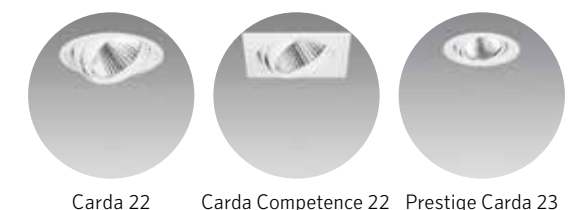


Frisk 20

Polar Mini 19

Polar Universal 19

GIMBAL RECESSED SPOTLIGHT



Carda 22

Carda Competence 22

Prestige Carda 23

THE MAIN SPACE

DON'T MISS THE MOST ATTRACTIVE OFFERS.

THE CHALLENGES

The main space in a store is where the most significant shopping experience action takes place. This is where the double-sided shelving units and display stands are placed, on which the goods and items for sale can be clearly presented for optimum effect. The display racks and systems with their attractive offers are designed to make the customer stop in his/her tracks to view the products on show. Labels and price tags must also be clearly visible. Once the shopper has opted to view a specific display or area of the retail space, s/he can enjoy browsing in a relaxing atmosphere and choosing what to walk out of the store owning.

THE SOLUTIONS

- high luminance levels on the product displays
- planar lighting, sparkle and accent lighting
- flexibly adjustable luminaires/light sources
- light from different directions
- customers should not be subjected to glare

WHAT MAY ALSO BE OF INTEREST TO YOU

Supermarkets P. 18, Food stores P. 22, Fashion stores P. 34



LIGHTING CHECKLIST
Vertical illuminance: 500 lx – 1000 lx
Colour rendering: CRI ≥ 80; CRI ≥ 90
Beam angle: spot, medium
Colour temperature: 3000 K, fashion, 4000 K
Lifespan: L80 50'000 h
Luminous efficacy: ≥ 100 lm/W



SUITABLE PRODUCTS

Page numbers refer to the enclosed technical product overview

TRACK SPOTLIGHT



RECESSED DIRECTIONAL SPOTLIGHT



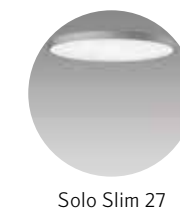
GIMBAL RECESSED SPOTLIGHT



RECESSED CEILING LUMINAIRE



CEILING MOUNTED LUMINAIRE



CEILING AND WALL MOUNTED LUMINAIRE



AISLES AND HALLWAYS

THE MEANINGFUL INTERLINKING OF YOUR PRODUCT WORLDS.

THE CHALLENGES

Aisles are first and foremost a wayfinding system, guiding shoppers effectively through the store or supermarket. On closer inspection these zones actually fulfil a number of purposes. They help structure the merchandise displays, separating areas dedicated to very different types of merchandise, such as food and fashion, and helping customers orient to themselves and find their way efficiently through the wide variety of shopping experiences to be enjoyed.

THE SOLUTIONS

- low-contrast light to link different retail zones
- uniform, even spread of light
- no accentuation
- wide-beam light distribution for enhanced safety
- evenly lit aisles and hallways facilitate orientation

WHAT MAY ALSO BE OF INTEREST TO YOU

Supermarkets P. 18, Food stores P. 22, Car showrooms P. 32, Fashion stores P. 34



LIGHTING CHECKLIST

- Horizontal illuminance: ≥ 300 lx
- Colour rendering: CRI ≥ 80
- Beam angle: medium, flood
- Colour temperature: 3000 K
- Lifespan: L80 50'000 h
- Luminous efficacy: ≥ 100 lm/W
- Glare control: UGR ≤ 25



SUITABLE PRODUCTS

Page numbers refer to the enclosed technical product overview

RECESSED DOWNLIGHT



Carda Fix 17

Echo 15

Prestige Fix 18

RECESSED CEILING LUMINAIRE



Purelite 30

CEILING MOUNTED LUMINAIRE



Solo Slim 27

CEILING AND WALL MOUNTED LUMINAIRE



Torino 29

ROW LIGHTING SYSTEM



Traq 32

SUPERMARKET SHELVED AREAS

EVERYTHING WITHIN REACH.

THE CHALLENGES

Supermarkets contain a wide variety of different kinds of products for everyday use. Customers need a clear overview of the space so they can find their way around easily. The overall atmosphere should be pleasant and inviting. Product prices need to be clearly marked, and the contents of shelving units and product sections within the supermarket recognisable from a distance. And always with due regard to the optimum use of energy and resources without compromising on quality when illuminating the product displays.

THE SOLUTIONS

- linear lighting featuring special light distribution (double asymmetric)
- lengthwise along the shelves
- extremely efficient when aligned centrally
- uniform illumination of shelving
- accents on the points of sale

WHAT MAY ALSO BE OF INTEREST TO YOU

Shop windows P. 8, Entrance areas P. 10, Wall areas / shelving P. 12, The main space P. 14, Aisles and hallways P. 16, Checkout areas P. 20, Storage / secondary rooms S. 36



LIGHTING CHECKLIST

Vertical illuminance: 300 lx – 600 lx min.,
accent lighting ≥ 1000 lx

Horizontal illuminance: ≥ 300 lx

Colour rendering: CRI ≥ 80

Beam angle: double asymmetric, narrow, flood

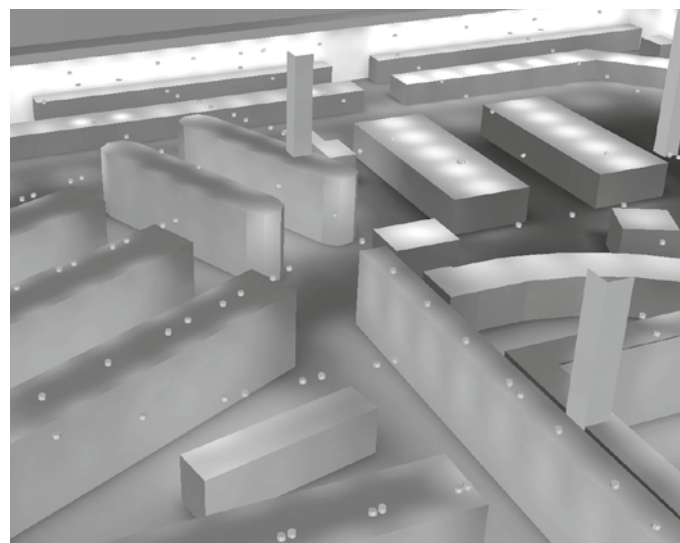
Colour temperature: 3000 K, 4000 K

Lifespan: L80 50'000 h

Glare control: UGR ≤ 22

Connected load: ≤ 12 W/m

Uniformity: Uo 0.5



SUITABLE PRODUCTS

Page numbers refer to the enclosed technical product overview

TRACK SPOTLIGHT



Matrix 4-6

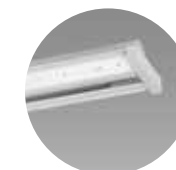


Vario 7-8

SHELF LUMINAIRE

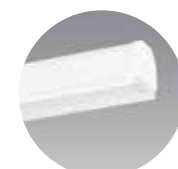


Shelf 13



Butterfly

ROW LIGHTING SYSTEM



Traq 32

GLOBUS



W
WEDGWOOD

EMMER



FOOD, FISH, CHEESE, SPECIALS

IT'S UP TO YOU TO WHET PEOPLE'S APPETITE.T

THE CHALLENGES

Given their special geometry, food stores are in a league of their own when it comes to challenges. From rear wall shelving to refrigerated display counters and cabinets to self-service sections: all these different requirements need special attention. The focus is always on freshness. Foodstuffs displayed to an optimum are instantly appealing, and can inspire shoppers to start looking forward to preparing meals even before they get to the checkout. Food products must look fresh and attractive for as long as possible. And in the case of refrigerated products, care must be taken to avoid reflections undermining the shopping experience.

THE SOLUTIONS

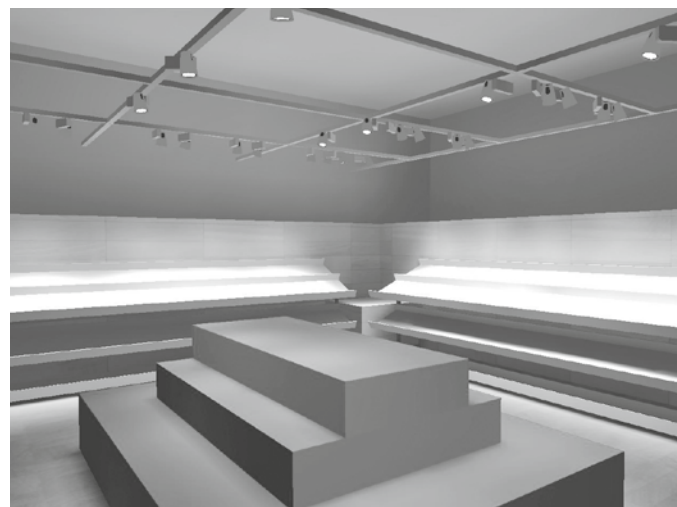
- divide into individual product groups: bread, cheese, meat, fish
- special colour for different foodstuffs
- optimum positioning and focussing of light sources
- no reflections

WHAT MAY ALSO BE OF INTEREST TO YOU

Supermarkets P. 18, Restaurants P. 28



LIGHTING CHECKLIST
Vertical illuminance: E_v 500 lx min.
Horizontal illuminance: E_h 500 lx min.
Colour rendering: CRI \geq 80
Beam angle: narrow, spot, flood
Colour temperature: breads and cakes, fish, meat
Lifespan: L80 50'000 h
Glare control: UGR \leq 22
Luminous efficacy: 120 lm/W with the exception of special colour temperatures
Uniformity: $U_o \geq$ 0.5



SUITABLE PRODUCTS

Page numbers refer to the enclosed technical product overview

TRACK SPOTLIGHT



Matrix 4-6



Vario 7-8

RECESSED DIRECTIONAL SPOTLIGHT



Polar Universal 19

GIMBAL RECESSED SPOTLIGHT



Carda 22

SPECIAL OFFERS

WELL-PRICED DOES NOT NECESSARILY MEAN CHEAP.

THE CHALLENGES

The right lighting for an optimum product display is part of the recipe for encouraging shoppers to linger. Signs indicating special offers can only take real effect if they are appropriately lit. Attention must be paid to avoiding any form of glare to customers. Glare is not only disturbing; it can also deter a shopper from remaining in the store. Special offers need to stand out from their surroundings – even if the items on offer are part of a comprehensive store concept.

THE SOLUTIONS

- high luminances on the product displays
- strongly focussed beams of light
- sparkle
- flexibly adjustable luminaires / light sources
- light from different directions
- customers should not be subjected to glare

WHAT MAY ALSO BE OF INTEREST TO YOU

Supermarkets P. 18, Food stores P. 22, Fashion stores P. 34



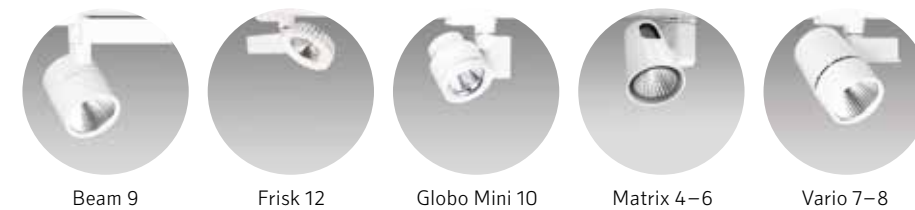
LIGHTING CHECKLIST
Vertical illuminance: 1000 lx – 3000 lx
Colour rendering: CRI ≥ 80; CRI ≥ 90
Beam angle: narrow, medium
Colour temperature: 3000 K, fashion, 4000 K
Lifespan: L80 50'000 h
Luminous efficacy: ≥ 120 lm/W



SUITABLE PRODUCTS

Page numbers refer to the enclosed technical product overview

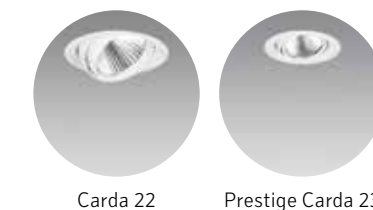
TRACK SPOTLIGHT



RECESSED DIRECTIONAL SPOTLIGHT



GIMBAL RECESSED SPOTLIGHT



COMFORT ZONES REST AREAS

GRANT YOUR CUSTOMERS
A LITTLE RELAXATION.

THE CHALLENGES

Shopping can be pretty tiring. Most people are glad of a break from time to time. Offer your customers areas where they can switch off for a bit and relax. Create some cosy corners where shoppers can escape from the hustle and bustle and recharge their batteries. Places where they can telephone in peace, read, wait, and take in what is going on around them. Quietly and discreetly, without needlessly attracting attention.

THE SOLUTIONS

- dimmed uniform warm light
- low glare to allow people to read
- no accent lighting on individuals
- coloured light to create atmosphere and a feeling of well-being
- design products

WHAT MAY ALSO BE OF INTEREST TO YOU

Supermarkets P. 18, Food stores P. 22, Restaurants P. 28,
Car showrooms P. 32, Fashion stores P. 34



LIGHTING CHECKLIST

Horizontal illuminance: ≥ 300 lx

Colour rendering: CRI ≥ 80

Beam angle: spot, medium, flood

Colour temperature: 2700 K, 3000 K

Lifespan: L80 50'000 h

Glare control: UGR ≤ 19

Luminous efficacy: ≥ 100 lm/W



SUITABLE PRODUCTS

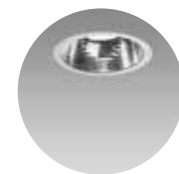
Page numbers refer to the enclosed technical product overview

RECESSED DOWNLIGHT

CEILING MOUNTED LUMINAIRE



Carda Fix 17



Echo 15



Echo Square 16



Prestige Fix 18



Solo Slim 27

CEILING AND WALL MOUNTED LUMINAIRE

PENDANT LUMINAIRE



Torino 29



Solo Slim 27



Tea 26



Torino 29

RESTAURANT

INVITE YOUR CUSTOMER TO BE YOUR GUEST.

THE CHALLENGES

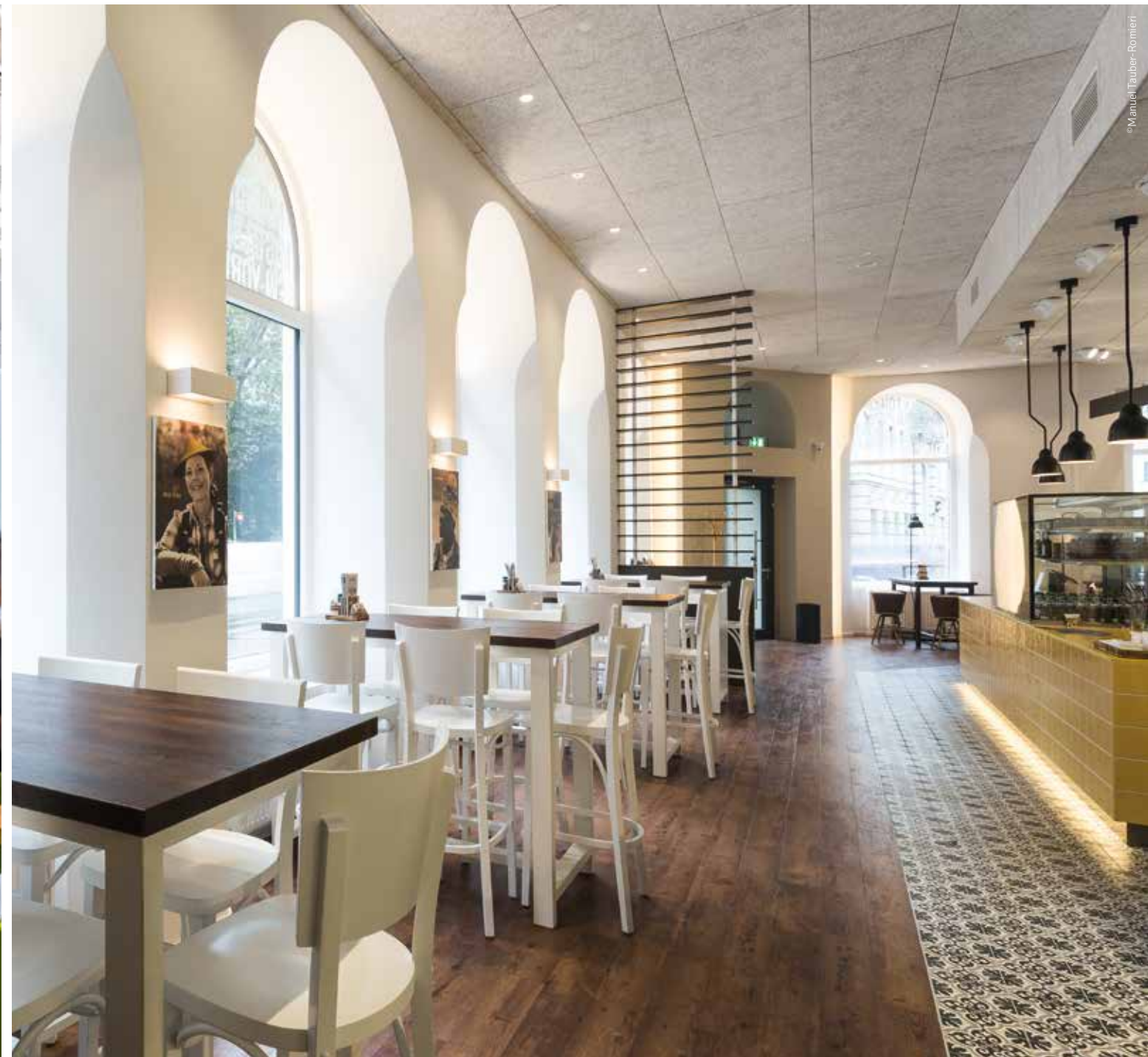
Every restaurant is geared towards making guests feel comfortable and welcome. Only then can they relax and enjoy their time there. The lighting requirements can vary considerably. Strong contrasts and sharply defined shadows tend to underline the elegance, or even splendour, of the interior design and furnishings. It is essential to create a pleasant, overall atmosphere. Food needs to look fresh and appealing. Smooth workflow at every hour of the day is a must. And last but not least, nothing must distract guests from enjoying the food and drink, and feeling good in their surroundings.

THE SOLUTIONS

- higher lighting levels at the self-service counters
- uniform illumination of the tables
- create some accents on the walls
- provide adequate lighting for pictures
- glare control

WHAT MAY ALSO BE OF INTEREST TO YOU

Entrance areas P. 10, Wall areas / shelving P. 12, Aisles and hallways P. 16, Rest areas P. 26, Checkout areas P. 30, Storage / secondary rooms S. 36



LIGHTING CHECKLIST
Horizontal illuminance: 200 lx – 400 lx
Colour rendering: CRI ≥ 80
Beam angle: medium, flood
Colour temperature: 2700 K fashion, 3000 K
Lifespan: L80 50'000 h
Glare control: UGR ≤ 22
Luminous efficacy: ≥ 100 lm / W



SUITABLE PRODUCTS

Page numbers refer to the enclosed technical product overview

TRACK SPOTLIGHT



Beam 9

Frisk 12

Globo Mini 10

Prestige 11

RECESSED DIRECTIONAL SPOTLIGHT



Frisk 12

Polar Mini 19

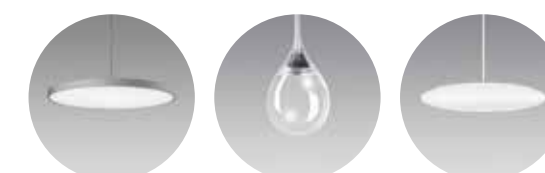
Zena 21

GIMBAL RECESSED SPOTLIGHT



Prestige Carda 23

PENDANT LUMINAIRE



Solo Slim 27

Tea 26

Torino 29

CHECKOUT AREAS

THE CONCLUSION TO A NEW SHOPPING EXPERIENCE

THE CHALLENGES

An unforgettably positive experience when concluding a purchase is sure to leave a lasting impression on the customer. Well-designed checkout areas that feature a balanced combination of shapes and sizes radiate harmony and a feeling of well-being. That said, the money and items being purchased must be clearly visible. The check-out display and price display must be legible for the customer as well as for the checkout staff and not be subject to reflections that give rise to glare.

THE SOLUTIONS

- uniform, shadow-free and glare-free light relieves stress
- standard-compliant lighting to enable staff to work reliably at monitors
- design-oriented luminaires enhance the feeling of well-being
- ideal for the application of pendant luminaires

WHAT MAY ALSO BE OF INTEREST TO YOU

Supermarkets P. 18, Food stores P. 22, Restaurants P. 28, Car showrooms P. 32, Fashion stores P. 34



LIGHTING CHECKLIST

Vertical illuminance: 500 lx – 750 lx

Colour rendering: CRI ≥ 80

Beam angle: narrow for products, flood for rear wall

Colour temperature: 3000 K, fashion

Lifespan: L80 50'000 h

Glare control: at workstation (UGR ≤ 19)

Luminous efficacy: ≥ 100 lm/W



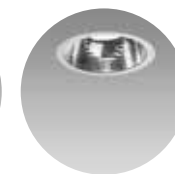
SUITABLE PRODUCTS

Page numbers refer to the enclosed technical product overview

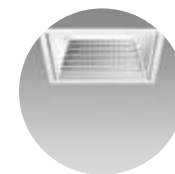
RECESSED DOWNLIGHT



Carda Fix 17



Echo 15



Echo Square 16



Carda 22

PENDANT LUMINAIRE



Solo Slim 27

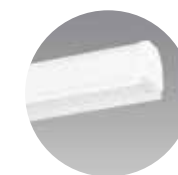


Tea 26



Torino 29

ROW LIGHTING SYSTEM



Traq 32

CAR SHOWROOMS

GIVING YOUR BUSINESS MORE DRIVE.

THE CHALLENGES

Whether you are talking about limousines, estate cars or SUVs – car showrooms incorporate whole worlds of experience and must be presented in accordance with the respective brand portfolios of the automobile manufacturers. The cars on show require high-quality lighting that can also pinpoint details in order to reveal their various qualities to potential customers. The car showroom usually also serves as the shop window and must therefore come across as being open and inviting, also encouraging passers-by to “stop and stare” after dark. Given that cars are frequently repositioned, and different events are staged within the generally high-ceilinged space, the solution lies in remote-controlled lighting installations that underscore forms and colours and do not cause glare.

THE SOLUTIONS

- directional spotlights that can be adjusted and positioned easily via an app, if necessary
- individual lighting control possible (dimming, tilting, focussing)
- narrow-beam spotlights for optimum presentation of the automobiles' advantages
- professional lighting design, incl. daylight calculations and optimisation

WHAT MAY ALSO BE OF INTEREST TO YOU

Shop windows P. 8, Entrance areas P. 10, Wall areas / shelving P. 12, The main space P. 14, Aisles and hallways P. 16, Rest areas P. 26, Checkout areas P. 30, Storage / secondary rooms S. 36



LIGHTING CHECKLIST

Vertical illuminance: 1000 lx on car – 3000 lx

Horizontal illuminance: ≥ 300 lx

Colour rendering: CRI ≥ 80 ; CRI ≥ 90

Beam angle: narrow, spot

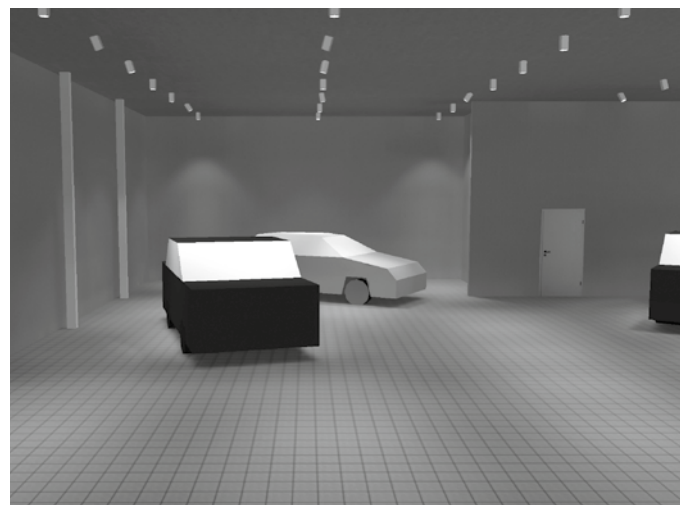
Colour temperature: 3000 K, 4000 K

Lifespan: L80 50'000 h

Glare control: UGR ≤ 22

Luminous efficacy: ≥ 100 lm/W

Control: remote control



SUITABLE PRODUCTS

Page numbers refer to the enclosed technical product overview

TRACK SPOTLIGHT



Beam 9



Matrix 4-6



Vario 7-8



Polar Universal 19

GIMBAL RECESSED SPOTLIGHT



Carda 22

MOTORISED TRACK SPOTLIGHT



Tablet 14



Tablet Mini 14

FASHION STORE FITTING ROOMS

BETTER TO TRY IT BEFORE YOU BUY IT.

THE CHALLENGES

There is hardly any other area of the retail business where the perfect interplay of store concept, lighting and interior architecture play such an important role as in the fashion business. The spatial design creates atmosphere and underlines the individual quality and style of the establishment. When it comes to fashion displays – clothing, shoes or other accessories – the focus is on bringing out the colours, the materials and the quality of workmanship. The role of the lighting is to present the garments and textiles to their best advantage.

The fitting rooms require a special solution. The customer needs to feel good and be able to make an objective assessment as to whether the garments or accessories s/he is trying on suit him/her, or are suitable to be worn on a specific occasion.

THE SOLUTIONS

- diffuse lighting for the fitting rooms
- same light for the concepts and brands
- plan the lighting to determine optimum positioning of the luminaires

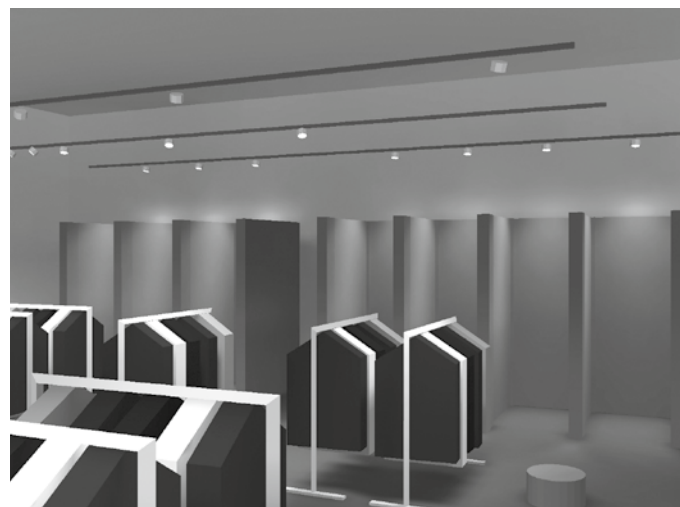
WHAT MAY ALSO BE OF INTEREST TO YOU

Supermarkets P. 18



LIGHTING CHECKLIST

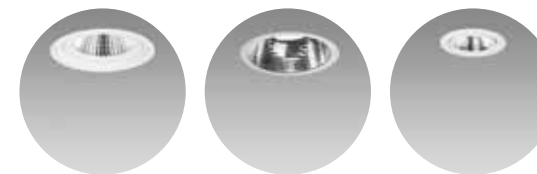
- Horizontal illuminance: 300 lx – 500 lx
- Colour rendering: CRI ≥ 80; CRI ≥ 90
- Beam angle: spot for the retail space, flood for diffuse lighting in the fitting rooms
- Colour temperature: 2700 K, 3000 K, fashion
- Lifespan: L80 50'000 h
- Glare control: UGR ≤ 22
- Luminous efficacy: ≥ 100 lm/W



SUITABLE PRODUCTS

Page numbers refer to the enclosed technical product overview

RECESSED DOWNLIGHT



Carda Fix 17

Echo 15

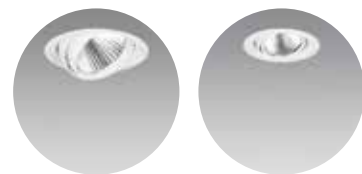
Prestige Fix 18

RECESSED DIRECTIONAL SPOTLIGHT



Polar Universal 19

GIMBAL RECESSED SPOTLIGHT



Carda 22

Prestige Carda 23

CEILING MOUNTED LUMINAIRE



Solo Slim 27

CEILING AND WALL MOUNTED LUMINAIRE



Torino 29

STORAGE AND SECONDARY ROOMS

NOT OF INTEREST TO CUSTOMERS, BUT DEFINITELY TO YOU.

THE CHALLENGES

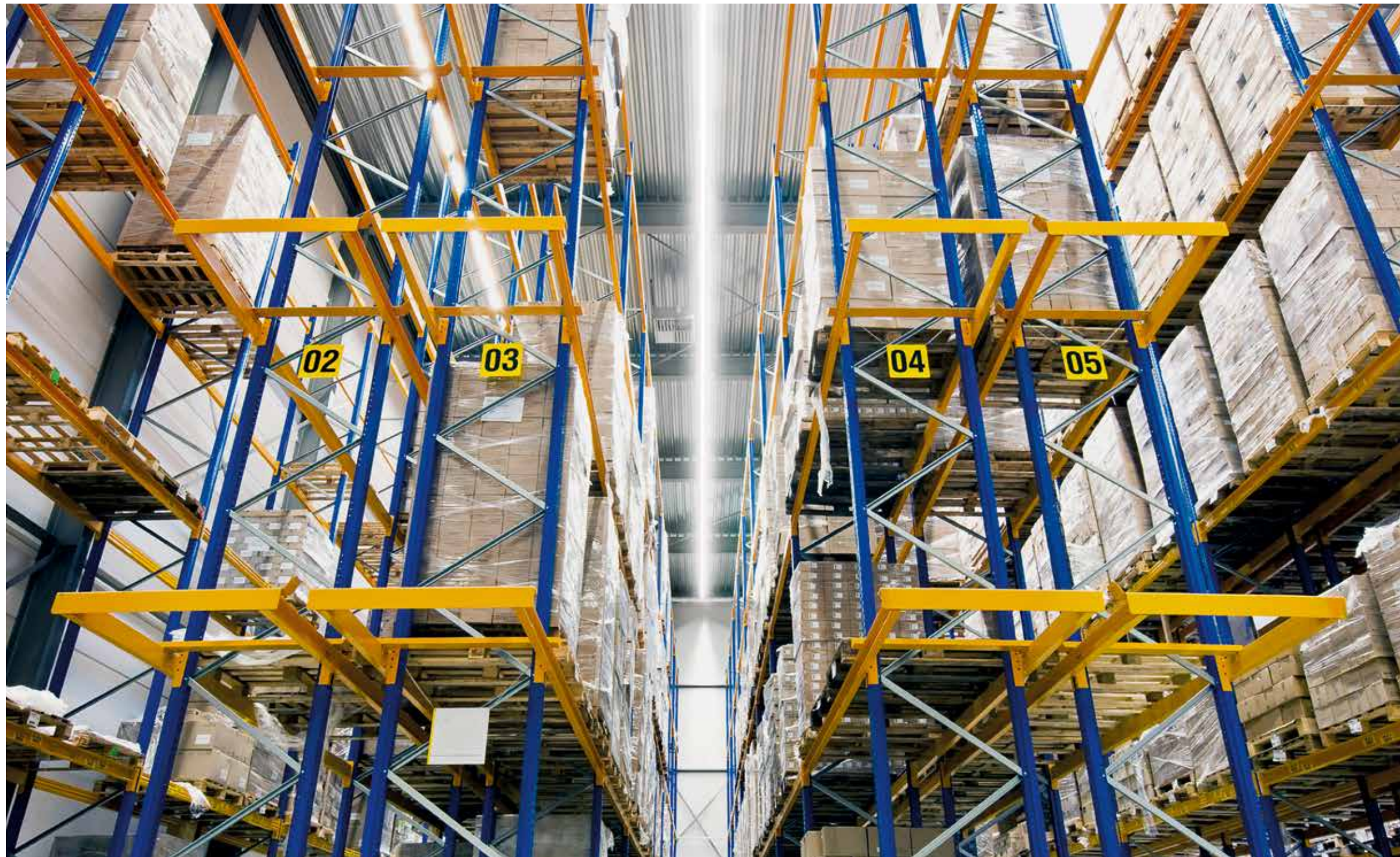
Behind the scenes it is not the customer who is king, but your staff. However cost-effective and efficiently utilised your storage facilities are, safety and easy handling are of prime importance. Even in extremely compact storage spaces which are designed to meet the most stringent of energy requirements, goods must be readily recognisable and barcodes clearly legible.

THE SOLUTIONS

- cost-effective linear lighting
- fast installation and easy maintenance
- presence detectors
- highly efficient luminaires
- special light distributions for optimum beam spread
- plan in luminaires for emergency lighting or safety-related parts of the storage space

WHAT MAY ALSO BE OF INTEREST TO YOU

Supermarkets P. 18, Food stores P. 22, Restaurants P. 28, Car showrooms P. 32, Fashion stores P. 34



LIGHTING CHECKLIST

Vertical illuminance: ≥ 200 lx

Horizontal illuminance: 100 lx – 300 lx

Colour rendering: CRI ≥ 80

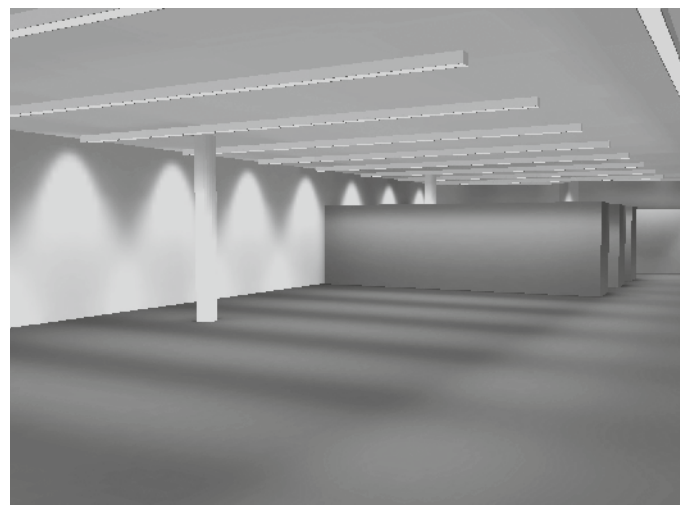
Beam angle: flood

Colour temperature: 4000 K

Lifespan: L80 50'000 h

Glare control: UGR ≤ 22

Luminous efficacy: ≥ 140 lm/W



SUITABLE PRODUCTS

Page numbers refer to the enclosed technical product overview

INDIVIDUAL BATTEN LUMINAIRE

ROW LIGHTING SYSTEM



Board



Traq 32

MULTI-STOREY CAR PARKS

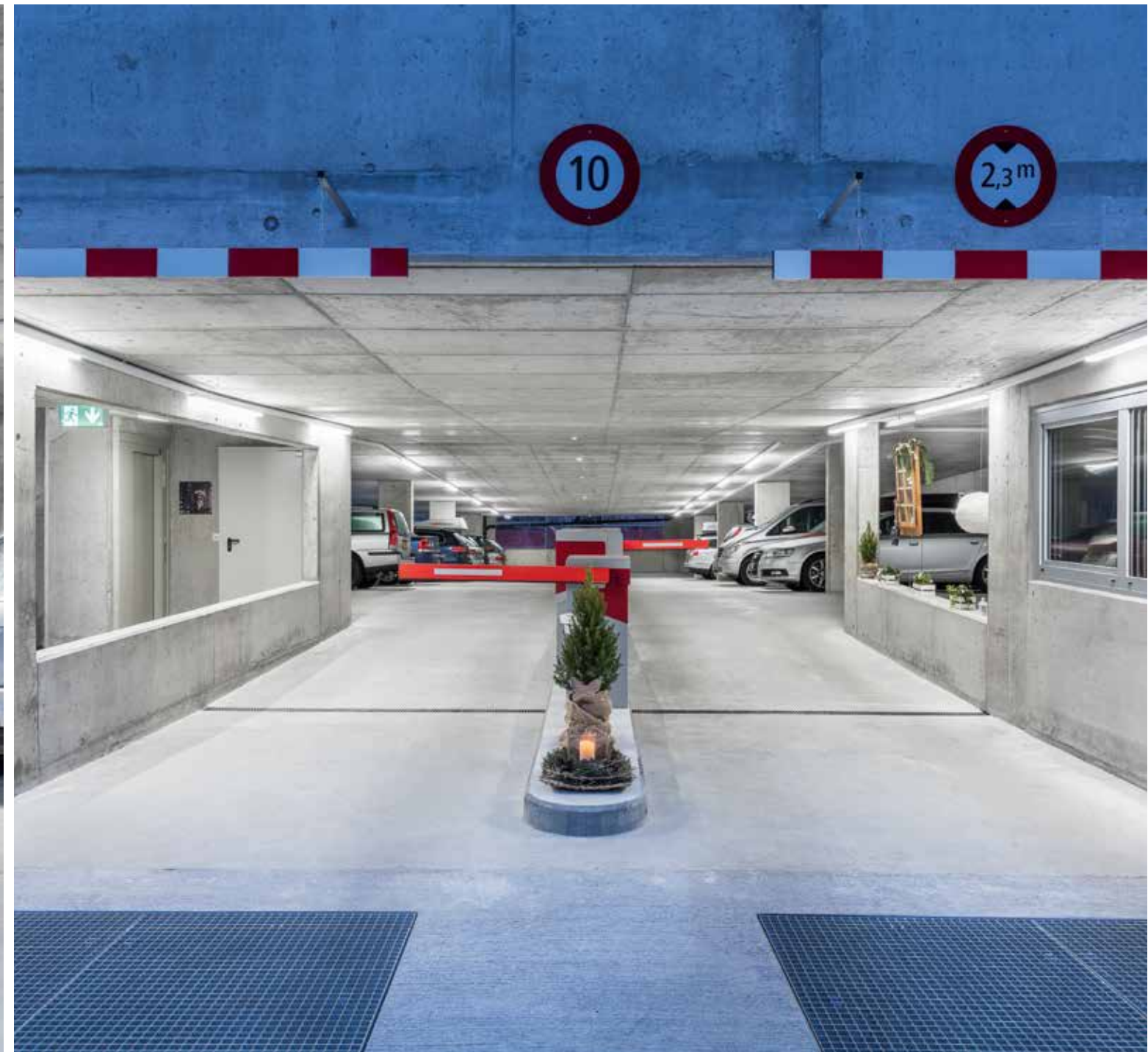
FOR EVERYONE WHO GOES SHOPPING IN A CAR.

THE CHALLENGES

Those who use a car to go shopping, gain a completely different first impression of the shop or store than all other shoppers. In contrast to the bright, exciting entrance area the pedestrian encounters, the car driver finds himself on arrival in a functional car park environment without daylight. Lighting around the clock enhances safety, enables users of the multi-storey car park to feel at ease, and welcomes shoppers to the store or mall. In order to guarantee the right atmosphere is maintained in the long term, every luminaire must be provided with optimum protection against ingress of exhaust fumes, soot particles and moisture. For reasons of efficiency, lighting should only be applied where it is really needed.

THE SOLUTIONS

- energy-efficient lighting in combination with occupancy sensors to control the lighting
- lighting for the circulation routes and peripheral areas
- luminaires with lateral light coupling to illuminate walls for enhanced orientation and improved ambience
- IP54 rating recommended; IP40 is sufficient for very clean parking garages
- efficient maintenance
- use row lighting solutions for enhanced flexibility
- to add further elements such as status signal lights to indicate parking space availability (green-red), integrate sensors or even surveillance cameras, for example, on the same support rail.



LIGHTING CHECKLIST
Vertical illuminance: to meet EN 12464 requirements
75 lx for parking areas, 300 lx for entrances and exits
Colour rendering: CRI ≥ 80
Beam angle: omni-directional or wide-beam
Colour temperature: 4000 K, in part 3000 K
Lifespan: L80 50'000 h
Glare control: according to norm UGR ≤ 25 (it is the perceived glare that is important)
Uniformity: according to norm 0.4 (new definition pending)
Luminous efficacy: as high as possible
Control: control via sensors or via facility management



SUITABLE PRODUCTS

Page numbers refer to the enclosed technical product overview

INDIVIDUAL BATTEN LUMINAIRE

ROW LIGHTING SYSTEM



Board



Traq 32

Contacts

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www.regent.ch



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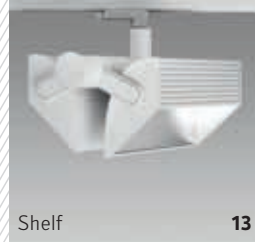
LIGHT SELLS

PRODUKTE / PRODUCTS

**STROMSCHIENEN-
STRAHLER**
TRACK
SPOTLIGHTS



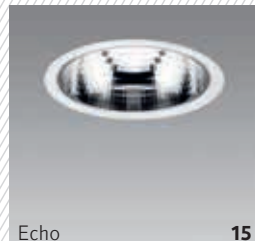
REGALLEUCHTEN
SHELF
LUMINAIRES



**MOTORISIERTER
STROMSCHIENEN-
STRAHLER**
MOTORISED TRACK
SPOTLIGHTS



**EINBAU-
DOWNLIGHTS**
RECESSED
DOWNLIGHTS



**EINBAU-
RICHTSTRAHLER**
RECESSED
DIRECTIONAL
SPOTLIGHTS



**EINBAU-KARDAN-
STRAHLER**
GIMBAL RECESSED
SPOTLIGHTS



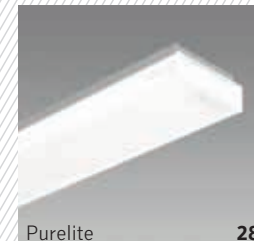
PENDELLEUCHTEN
PENDANT
LUMINAIRES



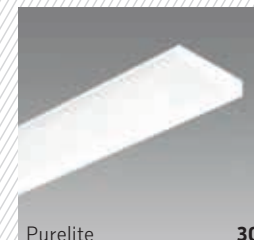
**DECKENANBAU-
LEUCHTEN**
CEILING MOUNTED
LUMINAIRES



**DECKEN- UND
WANDANBAU-
LEUCHTEN**
CEILING AND WALL
MOUNTED
LUMINAIRES



**DECKENEINBAU-
LEUCHTEN**
RECESSED CEILING
LUMINAIRES



**TRAGSCHIENE
FÜR LICHTBAND-
SYSTEM**
SUPPORT PROFILE
FOR CONTINUOUS
ROW SYSTEM



**SYSTEM-
LICHTLEISTEN**
SYSTEM BATTENS



ZUBEHÖR
ACCESSORIES



MATRIX



TECHNISCHE DATEN TECHNICAL DATA

Bis zu 140 lm/W Up to 140 lm/W
3000 K, 4000 K
CRI ≥ 83
Schutzklasse I Protection class I
IP20

AUSSTRAHLWINKEL BEAM ANGLE

20°, 30°, 40°

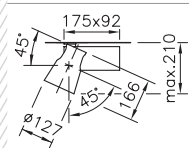
FARBEN COLOURS

Weiss, silber, schwarz White, silver, black

OPTIONEN OPTIONS

ON/OFF, DALI, mit Stromschienen-Adapter für 3-Phasen-Stromschiene oder für Stromschiene Global Trac Pulse bei DALI-Ausführungen, Blendschutzklappen-Set, Reflektoren-Set, Abdeckungs-Set

ON/OFF, DALI, with adapter for three-circuit track or for Global Trac Pulse track in the case of DALI versions, barn doors set, reflector set, cover set



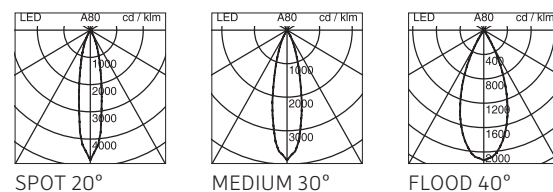
- Hohe Leuchteffizienz von bis zu 140 lm/W
- Hohe Farbwiedergabe für Allgemein- und Akzentbeleuchtung
- Flexible Ausrichtung: 360° drehbar und schwenkbar 45° über die Horizontale und 45° über die Vertikale nach hinten
- Passive Kühlung
- Blendfreies Licht dank hochpräzisen Reflektoren
- Hochwertiges Aluminiumdruckguss-Gehäuse

- High luminous efficacy of up to 140 lm/W
- Colour colour rendering for general and accent lighting
- Highly flexible: can be rotated 360°, and pivoted 45° horizontally and 45° vertically to the rear
- Passive cooling
- Glare-free light thanks to high-precision reflectors
- High-grade die-cast aluminium housing

MATRIX LED

22 W / 2750 lm
26 W / 3100 lm
32 W / 4500 lm

Beispielhafte LVK Exemplary light distribution curves



MINERGIE®

MATRIX FOOD



TECHNISCHE DATEN TECHNICAL DATA

Bakery, Meat
CRI ≥ 80
Schutzklasse I Protection class I
IP20

AUSSTRAHLWINKEL BEAM ANGLE

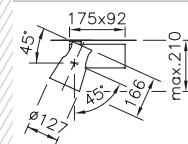
20°, 30°, 40°

FARBEN COLOURS

Weiss, silber White, silver

OPTIONEN OPTIONS

ON/OFF, DALI, mit Stromschienen-Adapter für 3-Phasen-Stromschiene oder für Stromschiene Global Trac Pulse bei DALI-Ausführungen, Reflektoren-Set, Abdeckungs-Set
ON/OFF, DALI, with adapter for three-circuit track or for Global Trac Pulse track in the case of DALI versions, reflector set, cover set



- Spezifische fixe Farborte zur optimalen Beleuchtung von Fleisch und Wurstwaren oder für die effektive Beleuchtung von Backwaren
- Flexible Ausrichtung: 360° drehbar und schwenkbar 45° über die Horizontale und 45° über die Vertikale nach hinten
- Passive Kühlung
- Blendfreies Licht dank hochpräzisen Reflektoren
- Hochwertiges Aluminiumdruckguss-Gehäuse

- Specific chromaticity settings for the optimum lighting of meat and cold meats or for the effective illumination of bread, cakes and pastries
- Highly flexible: can be rotated 360°, and pivoted 45° horizontally and 45° vertically to the rear
- Passive cooling
- Glare-free light thanks to high-precision reflectors
- High-grade die-cast aluminium housing

MATRIX FOOD

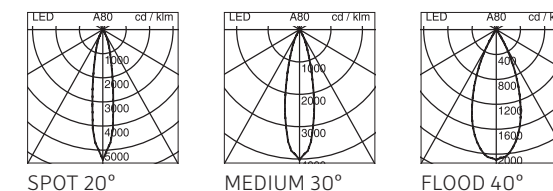
BAKERY

26 W / 2000 lm

MEAT

26 W / 2000 lm

Beispielhafte LVK Exemplary light distribution curves



MINERGIE®

MATRIX PAL+



- Naturgetreue Farbwiedergabe dank Echtweiss-LEDs
- CRI bis zu 94 von 2500 K – 6500 K und unabhängig vom Dimmwert
- Farbwiedergabe und Farbtemperatur im Dimmbereich konstant von 10 – 100%
- Flexible Ausrichtung: 360° drehbar und schwenkbar 45° über die Horizontale und 45° über die Vertikale nach hinten
- Passive Kühlung
- Blendfreies Licht dank hochpräzisen Reflektoren

- True white LEDs support the natural rendering of colours
- CRI of up to 94 from 2500 K to 6500 K and irrespective of dimming level
- Colour rendering and colour temperature remain constant within the dimming range of 10 – 100%
- Highly flexible: can be rotated 360°, and pivoted 45° horizontally and 45° vertically to the rear
- Passive cooling
- Glare-free light thanks to high-precision reflectors

TECHNISCHE DATEN TECHNICAL DATA

2500 – 6500 K
CRI ≥ 90
Schutzklasse I Protection class I
IP20

AUSSTRAHLWINKEL BEAM ANGLE

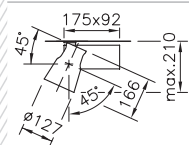
30°, 40°

FARBEN COLOURS

Weiss, silber White, silver

OPTIONEN OPTIONS

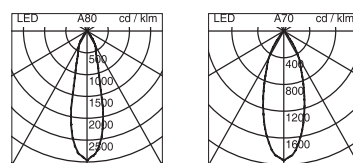
ON/OFF, Blendschutzklappen-Set, Reflektoren-Set,
Abdeckungs-Set
ON/OFF, barn doors set, reflector set, cover set



MATRIX PAL+

36 W / 2500 lm

Beispielhafte LVK Exemplary light distribution curves



MINERGIE®

VARIO 90



TECHNISCHE DATEN TECHNICAL DATA

Bis zu 118 lm/W Up to 118 lm/W
3000 K, 4000 K
CRI ≥ 85
Farbkonsistenz SDCM 2 Colour consistency SDCM 2
L90 50°000 h
Schutzklasse I Protection class I
IP20

AUSSTRAHLWINKEL BEAM ANGLE

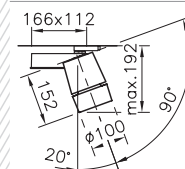
15°, 24°, 36°, 60°

FARBEN COLOURS

Weiss, schwarz White, black

OPTIONEN OPTIONS

ON/OFF, DALI, Reflektoren-Set
ON/OFF, DALI, reflector set



- Elegantes und schlichtes Design
- Hohe Leuchteneffizienz von bis zu 118 lm/W
- Brillantes Weiss, z.B. für Fashion
- Passive Kühlung
- Flexible Ausrichtung: 90° schwenkbar, 360° drehbar

- Elegant, minimalist design
- High luminous efficacy of up to 118 lm/W
- Bright white light, e.g. for fashion goods
- Passive cooling
- Can be flexibly adjusted: tiltable through 90°, rotatable 360°

VARIO 90

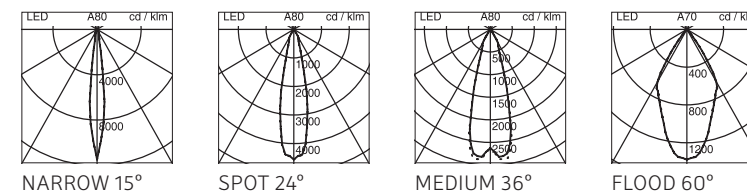
STANDARD

28 W	4000 K 3300 lm	4000 K 3300 lm
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FASHION

28 W	3000 K 2950 lm	3000 K 2950 lm
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Beispielhafte LVK Exemplary light distribution curves



VARIO 110



- Viele Ausführungen, z.B. Meat und Fashion
- Elegantes und schlichtes Design
- Hohe Leuchteneffizienz von bis zu 132 lm/W
- Brillantes Weiss, z.B. für Fashion
- Passive Kühlung
- Flexible Ausrichtung: 90° schwenkbar, 360° drehbar

- Wide range of different versions, e.g. meat and fashion
- Elegant, minimalist design
- High luminous efficacy of up to 132 lm/W
- Bright white light, e.g. for fashion goods
- Passive cooling
- Can be flexibly adjusted: tilttable through 90°, rotatable 360°

TECHNISCHE DATEN TECHNICAL DATA

Bis zu 132 lm/W Up to 132 lm/W
 2700 K, 3000 K, 4000 K, Meat
 CRI ≥ 85
 Farbkonsistenz SDCM 2 Colour consistency SDCM 2
 L90 50'000 h
 Schutzklasse I Protection class I
 IP20

AUSSTRAHLWINKEL BEAM ANGLE

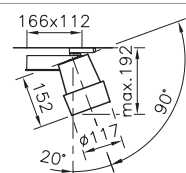
15°, 24°, 36°, 60°

FARBEN COLOURS

Weiss, silber, schwarz White, silver, black

OPTIONEN OPTIONS

ON/OFF, Reflektoren-Set
 ON/OFF, reflector set



VARIO 110

STANDARD	○	●	●
28 W		3000 K 3200 lm	
31 W	2700 K 4100 lm	2700 K 4100 lm	3000 K 3950 lm 2700 K 4100 lm
35 W	3000 K 4400 lm	4000 K 4600 lm	3000 K 4400 lm 4000 K 4600 lm 3000 K 4400 lm 4000 K 4600 lm

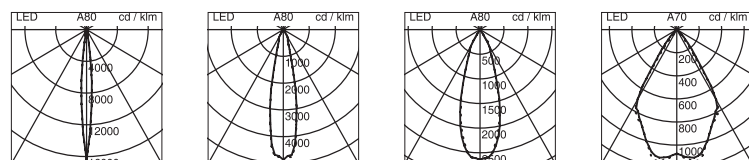
FASHION

28 W		3000 K 3000 lm	
35 W	3000 K 4150 lm	3000 K 4150 lm	3000 K 4150 lm

MEAT

39 W	2100 lm	2100 lm	2100 lm
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Beispielhafte LVK Exemplary light distribution curves



NARROW 15° SPOT 24° MEDIUM 36° FLOOD 60°

BEAM



TECHNISCHE DATEN TECHNICAL DATA

Bis zu 117 lm/W Up to 117 lm/W
 3000 K, 4000 K
 CRI ≥ 85
 ON/OFF
 Farbkonsistenz SDCM 2 Colour consistency SDCM 2
 L90 50'000 h
 Schutzklasse I Protection class I
 IP20

AUSSTRAHLWINKEL BEAM ANGLE

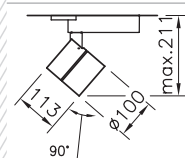
15°, 24°, 36°, 60°

FARBEN COLOURS

Weiss, silber, schwarz White, silver, black

OPTIONEN OPTIONS

Reflektoren-Set
 Reflector set



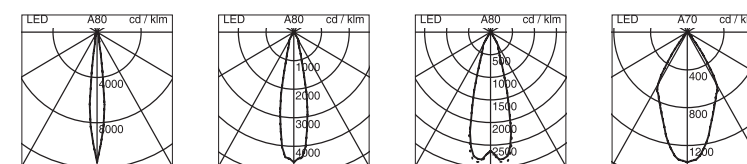
- Betriebsgerät harmonisch direkt an der Stromschiene positioniert
- Hohe Leuchteneffizienz von bis zu 117 lm/W
- Brillantes Weiss, z.B. für Fashion
- Passive Kühlung
- Flexible Ausrichtung: 90° schwenkbar, 360° drehbar

- Control gear positioned discreetly directly on the track
- High luminous efficacy of up to 117 lm/W
- Bright white light, e.g. for fashion goods
- Passive cooling
- Can be flexibly adjusted: tilttable through 90°, rotatable 360°

BEAM

	FASHION	STANDARD
	3000 K	4000 K
	28 W/2950 lm	28 W/2950 lm
	35 W/4100 lm	35 W/4100 lm

Beispielhafte LVK Exemplary light distribution curves



NARROW 15° SPOT 24° MEDIUM 36° FLOOD 60°

GLOBO MINI



- Ideal für niedrige Decken, z.B. für Restaurants
- Hohe Leuchteneffizienz von bis zu 116 lm/W
- Passive Kühlung
- Flexible Ausrichtung: 90° schwenkbar, 360° drehbar
- Reflektoren werkzeuglos austauschbar

- Ideal for low ceilings, e.g. for restaurants
- High luminous efficacy of up to 116 lm/W
- Passive cooling
- Can be flexibly adjusted: tiltable through 90°, rotatable 360°
- Reflectors can be replaced without tools

TECHNISCHE DATEN TECHNICAL DATA

Bis zu 116 lm/W Up to 116 lm/W
 2700 K, 3000 K
 CRI ≥ 85
 Farbkonsistenz SDCM 2 Colour consistency SDCM 2
 L90 50'000 h
 Schutzklasse I Protection class I
 IP20

AUSSTRAHLWINKEL BEAM ANGLE

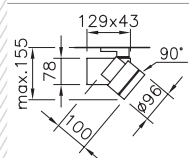
15°, 24°, 36°, 60°

FARBEN COLOURS

Weiss, schwarz White, black

OPTIONEN OPTIONS

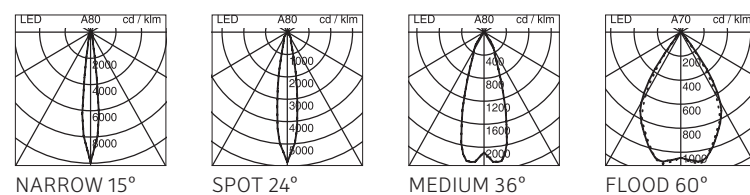
ON/OFF, DALI, Reflektoren-Set
 ON/OFF, DALI, reflector set



GLOBO MINI

	STANDARD	FASHION
	2700 K	3000 K
	10 W / 1150 lm	10 W / 1160 lm
	20 W / 2150 lm	20 W / 2200 lm

Beispielhafte LVK Exemplary light distribution curves



PRESTIGE



- Für niedrige Decken, z.B. für kleinere Boutiquen
- Auch extrem engstrahlend – ideal für Akzente im Raum
- Hohe Leuchteneffizienz von bis zu 103 lm/W
- Passive Kühlung
- Flexible Ausrichtung: 90° schwenkbar, 360° drehbar

- Designed for low ceilings, e.g. for small boutiques
- Extremely narrow-beam version also available – ideal for creating attractive highlights
- High luminous efficacy of up to 103 lm/W
- Passive cooling
- Can be flexibly adjusted: tiltable through 90°, rotatable 360°

TECHNISCHE DATEN TECHNICAL DATA

Bis zu 103 lm/W Up to 103 lm/W
 3000 K
 CRI ≥ 85
 L90 50'000 h
 Schutzklasse I Protection class I
 IP20

AUSSTRAHLWINKEL BEAM ANGLE

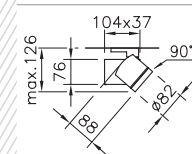
15°, 24°, 36°, 60°

FARBEN COLOURS

Weiss White

OPTIONEN OPTIONS

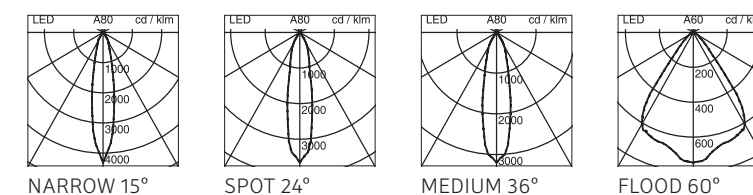
ON/OFF, Reflektoren-Set
 ON/OFF, reflector set



PRESTIGE

	FASHION
	3000 K
	20 W / 2050 lm

Beispielhafte LVK Exemplary light distribution curves



FRISK



- Ideal für niedrige Decken
- Spezielle, flache Linsenoptik
- Hervorragende Farbwiedergabe mit CRI \geq 90
- Hohe Leuchteneffizienz von bis zu 80 lm/W
- Passive Kühlung
- Flexible Ausrichtung: 180° schwenkbar, 360° drehbar

- Ideal for low ceilings
- Special, flat lens optics
- Excellent colour rendering: CRI \geq 90
- High luminous efficacy of up to 80 lm/W
- Passive cooling
- Can be flexibly adjusted: tilttable through 180°, rotatable 360°

TECHNISCHE DATEN TECHNICAL DATA

Bis zu 80 lm/W Up to 80 lm/W
2700 K, 3000 K
CRI \geq 90
L90 50'000 h
Schutzklasse I Protection class I
IP20

AUSSTRAHLWINKEL BEAM ANGLE

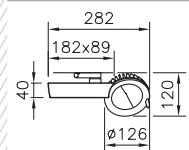
15°, 24°, 36°

FARBEN COLOURS

Weiss, silber, schwarz White, silver, black

OPTIONEN OPTIONS

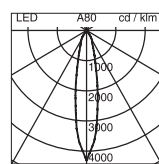
ON/OFF, DALI, Reflektoren-Set
ON/OFF, DALI, reflector set



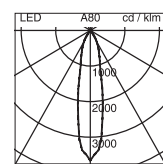
FRISK LED

	STANDARD	FASHION
	2700 K	3000 K
	28 W / 2100 lm	28 W / 2200 lm

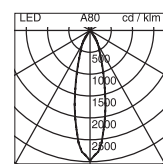
Beispielhafte LVK Exemplary light distribution curves



NARROW 15°

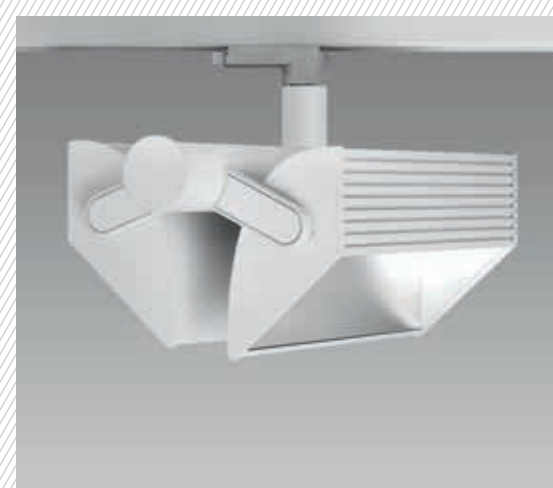


SPOT 24°



MEDIUM 36°

SHELF



- Ideal für Produktauslagen und Regalsysteme
- Effiziente und kostengünstige Beleuchtungslösung
- Hohe Leuchteneffizienz von bis zu 120 lm/W
- Passive Kühlung
- Flexible Ausrichtung: +/- 8° schwenkbar, 360° drehbar
- Ideal für verschiedene Gangbreiten im Retail-Bereich

- Ideal for product displays and for lighting shelves
- Efficient and cost-effective lighting solution
- High luminous efficacy of up to 120 lm/W
- Passive cooling
- Can be flexibly adjusted: tilttable through +/- 8°, rotatable 360°
- Ideal for application in aisles of various widths in retail environments

TECHNISCHE DATEN TECHNICAL DATA

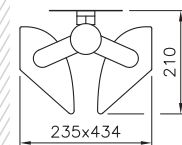
Bis zu 120 lm/W Up to 120 lm/W
3000 K
CRI \geq 85
L90 50'000 h
Schutzklasse I Protection class I
IP20

AUSSTRAHLWINKEL BEAM ANGLE

15°, 60°

FARBEN COLOURS

Weiss, silber, schwarz White, silver, black



SHELF LED

	FASHION
	3000 K
	78 W / 9800 lm

TABLET



- Motorisierter Stromschiene-Strahler für multifunktionale Anwendungen
- Spezielle Fernsteuerung zum Ausrichten des Strahlers
- Intuitive App zur Fernsteuerung via Smartphone/Tablet
- Flexible Ausrichtung: 120° schwenkbar, 350° drehbar
- Für Deckenhöhen bis 10 Meter
- Ohne Leiter oder Skyworker den Strahler ausrichten

- Motorised track spotlight for multifunctional applications
- Spotlight can be adjusted via remote control
- Intuitive app for wireless control via smartphone/tablet
- Flexibly adjustable: tilttable 120°, rotatable 350°
- For up to 10 m ceiling height
- Adjust the spotlight without a ladder or hydraulic lift

TECHNISCHE DATEN TECHNICAL DATA

Bis zu 123 lm/W Up to 123 lm/W
 3000 K, 4000 K
 CRI ≥ 80
 L80 50'000 h
 Schutzklasse I Protection class I
 IP20

FARBEN COLOURS

Weiss, silber, schwarz White, silver, black

OPTIONEN OPTIONS

ON/OFF
 ON/OFF

Für Deckenhöhe bis zu 10 m
 For up to 10 m ceiling height

TABLET LED



3000 K	4000 K
bis zu 10'100 lm	bis zu 10'700 lm
up to 10'100 lm	up to 10'700 lm

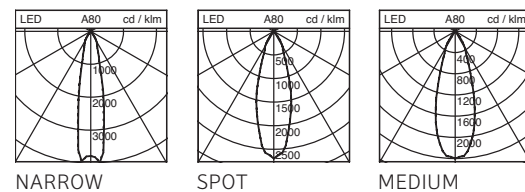
TABLET MINI LED



Für Deckenhöhe bis zu 4 m
 For up to 4 m ceiling height

3000 K	4000 K
bis zu 3800 lm	bis zu 4300 lm
up to 3800 lm	up to 4300 lm

Beispielhafte LVK Exemplary light distribution curves



ECHO



- Verschiedene Reflektoren abgestimmt auf die Anwendung
- Hohe Leuchteneffizienz von bis zu 110 lm/W
- Flexible Montagemöglichkeiten
- Blendfreies Licht dank hochpräzisen Reflektoren
- Schutzklasse I, IP20/IP44 von unten bei geschlossener Decke
- Perfekte Integration in die Deckenarchitektur durch schlankes Design ohne Abdeckung

- Different reflectors available depending on application
- High luminous efficacy of up to 110 lm/W
- Choice of mounting options
- Glare-free light thanks to high-precision reflectors
- Protection class I, IP20/IP44 from below in the case of closed ceilings
- Slimline design without cover ring enables perfect integration into the ceiling architecture

TECHNISCHE DATEN TECHNICAL DATA

3000 K, 4000 K
 CRI ≥ 83
 Bis zu UGR ≤ 19 Up to UGR ≤ 19
 Schutzklasse I Protection class I
 IP20/IP44

EINBAUDURCHMESSER UND EINBAUTIEFE RECESSED DIAMETER AND RECESSED DEPTH

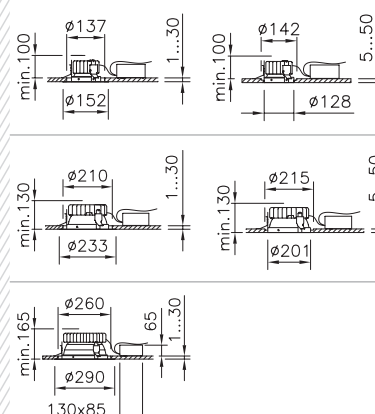
Ø 137: 100 mm
 Ø 210: 130 mm
 Ø 260: 165 mm

FARBEN COLOURS

Reflektor: weiss, silber Reflector: white, silver

OPTIONEN OPTIONS

ON/OFF, DALI, mit Abdeckrand oder ohne (trimless), Abdeckung für IP44/IP55 von unten bei geschlossenen Decken, Notbeleuchtung, Einbetoniergehäuse, Abdeckung in weiss, silber, Glas klar, Glas matt; Ring zur Deckenverstärkung, Wallwasher
 ON/OFF, DALI, with or without ceiling trim (trimless), cover ring IP44/IP55 from below in the case of closed ceilings, emergency lighting, embedding housing, cover ring in white, silver, clear glass, matt glass; reinforcement ring for mounting in ceilings, wallwasher



UGR ≤ 19 Reflektor silber Silver reflector	Lambertstrahler Reflektor weiss Lambertian radiator White reflector	Reflektor silber Silver reflector
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ECHO 137 LED



14 W/1450 lm	14 W/1150 lm	14 W/1450 lm
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ECHO TRIMLESS 137 LED



14 W/1450 lm	14 W/1150 lm	14 W/1450 lm
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ECHO 210 LED



20 W/2100 lm 26 W/2700 lm	26 W/2600 lm	26 W/2700 lm
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ECHO TRIMLESS 210 LED



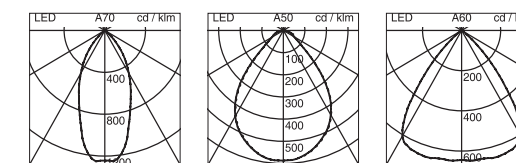
20 W/2100 lm 26 W/2700 lm	26 W/2600 lm	26 W/2700 lm
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ECHO 260 LED



34 W/4000 lm	34 W/3700 lm	34 W/4000 lm
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Beispielhafte LVK Exemplary light distribution curves



ECHO SQUARE



- Verschiedene Optiken abgestimmt auf die Anwendung
- Hohe Leuchteneffizienz von bis zu 105 lm/W
- Flexible Montagemöglichkeiten
- Blendfreies Licht dank hochpräziser Reflektoren
- Perfekte Integration in die Deckenarchitektur durch schlankes Design
- IP20/IP44 von unten bei geschlossenen Decken

- Choice of optics to suit different applications
- High luminous efficacy of up to 105 lm/W
- Choice of mounting options
- Glare-free light thanks to high-precision reflectors
- Slimline design enables perfect integration into the ceiling architecture
- IP20/IP44 from below in the case of closed ceilings

TECHNISCHE DATEN TECHNICAL DATA

Bis zu 105 lm/W Up to 105 lm/W
 3000 K, 4000 K
 CRI ≥ 83
 Bis zu UGR ≤ 19 Up to UGR ≤ 19
 Schutzklasse II Protection class II
 IP20/IP44

DECKENAUSSCHNITT UND EINBAUTIEFE

RECESSED DIAMETER AND RECESSED DEPTH

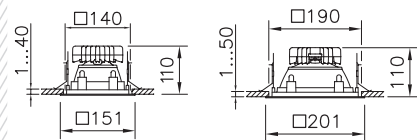
- 140x140:110 mm
- 190x190:110 mm

FARBEN COLOURS

Reflektor: weiss, silber Reflector: white, silver

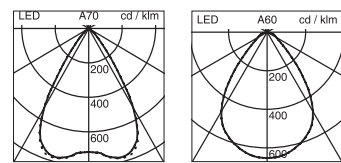
OPTIONEN OPTIONS

ON/OFF, DALI, Einbetoniergehäuse
 ON/OFF, DALI, embedding housing



	UGR ≤ 19 Reflektor silber Silver reflector	Reflektor weiss White reflector
ECHO SQUARE 140 LED	16 W/1600 lm	16 W/1600 lm
ECHO SQUARE 190 LED	26 W/2600 lm	26 W/2600 lm

Beispielhafte LVK Exemplary light distribution curves



CARDA FIX



- Leichte Montage durch Stecker zwischen Betriebsgerät und Leuchte
- Auch extrem engstrahlend
- Hohe Leuchteneffizienz von bis zu 135 lm/W
- Brillantes Weiss, z.B. für Fashion
- Passive Kühlung

- Simple to mount thanks to plug connection between control gear and luminaire
- Extremely narrow beam
- High luminous efficacy of up to 135 lm/W
- Bright white light, e.g. for fashion goods
- Passive cooling

TECHNISCHE DATEN TECHNICAL DATA

Bis zu 135 lm/W Up to 135 lm/W
 2700 K, 3000 K, 4000 K
 CRI ≥ 85
 Farbkonsistenz SDM2 Colour consistency SDCM 2
 ON/OFF
 L90 50'000 h
 Schutzklasse I Protection class I
 IP20

EINBAUDURCHMESSER UND EINBAUTIEFE

RECESSED DIAMETER AND RECESSED DEPTH

Carda Fix:
 Ø 180: 146 mm

AUSSTRAHLWINKEL BEAM ANGLE

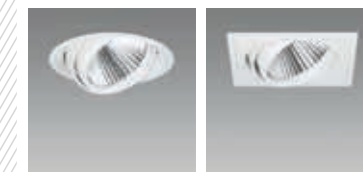
15°, 24°, 36°, 60°

FARBEN COLOURS

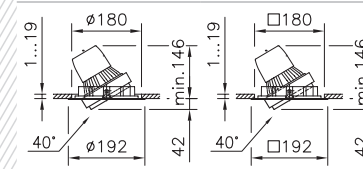
Weiss, schwarz White, black

OPTIONEN OPTIONS

Reflektoren-Set
 reflector set



Carda Carda Competence

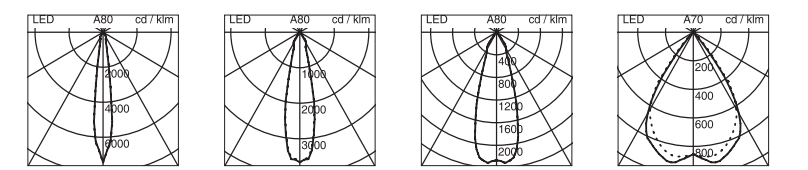


Carda Carda Competence

CARDA FIX

	STANDARD	FASHION	STANDARD
	2700 K	3000 K	4000 K
	27 W/3250 lm	27 W/3300 lm	27 W/3650 lm

Beispielhafte LVK Exemplary light distribution curves



NARROW 15° SPOT 24° MEDIUM 36° FLOOD 60°

PRESTIGE FIX



- Leichte Montage durch Stecker zwischen Betriebsgerät und Leuchte
- Auch extrem engstrahlend – ein Downlight für schöne Akzente
- Hohe Leuchteneffizienz von bis zu 103 lm/W
- Brillantes Weiss, z.B. für Fashion
- Passive Kühlung

- Simple to mount thanks to plug connection between control gear and luminaire
- Also extremely narrow beam – downlight for creating attractive highlights
- High luminous efficacy of up to 103 lm/W
- Bright white light, e.g. for fashion goods
- Passive cooling

TECHNISCHE DATEN TECHNICAL DATA

Bis zu 103 lm/W Up to 103 lm/W
 2700 K, 3000 K
 CRI ≥ 85
 Farbkonsistenz SDCM 2 Colour consistency SDCM 2
 L90 50°000 h
 Schutzklasse I Protection class I
 IP20

EINBAUDURCHMESSER UND EINBAUTIEFE RECESSED DIAMETER AND RECESSED DEPTH

Ø 112: 85 mm

AUSSTRAHLWINKEL BEAM ANGLE

15°, 24°, 36°, 60°

FARBEN COLOURS

Weiss, schwarz White, black

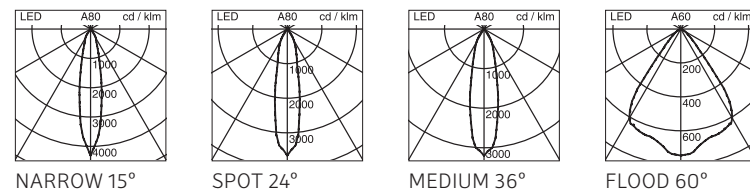
OPTIONEN OPTIONS

ON/OFF, DALI, Reflektoren-Set
 ON/OFF, DALI, reflector set

PRESTIGE FIX

	STANDARD	FASHION
	2700 K	3000 K
	20 W / 2050 lm	20 W / 2050 lm

Beispielhafte LVK Exemplary light distribution curves



POLAR



- Breite Auswahl an Farbtemperaturen
- Leichte Montage durch Stecker zwischen Betriebsgerät und Leuchte
- Universeller Einbaurahmen
- Extrem engstrahlend
- Hohe Leuchteneffizienz von bis zu 103 lm/W, 119 lm/W
- Brillantes Weiss, z.B. für Fashion
- Flexible Ausrichtung: 90° schwenkbar, 360° drehbar

- Wide range of colour temperatures
- Simple to mount thanks to plug connection between control gear and luminaire
- Universal mounting frame
- Extremely narrow beam
- High luminous efficacy of up to 103 lm/W, 119 lm/W
- Bright white light, e.g. for fashion goods
- Can be flexibly adjusted: tilttable through 90°, rotatable 360°

TECHNISCHE DATEN TECHNICAL DATA

Bis zu 103 lm/W, 119 lm/W Up to 103 lm/W, 119 lm/W
 2700 K, 3000 K, 4000 K, Mezt
 CRI ≥ 85
 L90 50°000 h
 Schutzklasse II Protection class II
 IP20

EINBAUDURCHMESSER UND EINBAUTIEFE RECESSED DIAMETER AND RECESSED DEPTH

Ø 124: 85 mm
 Ø 176: 140 mm

AUSSTRAHLWINKEL BEAM ANGLE

15°, 24°, 36°, 60°

FARBEN COLOURS

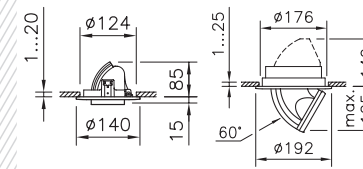
Weiss White

OPTIONEN OPTIONS

ON/OFF, DALI, Reflektoren-Set
 ON/OFF, DALI, reflector set



Polar Mini Polar Universal



Polar Mini Polar Universal

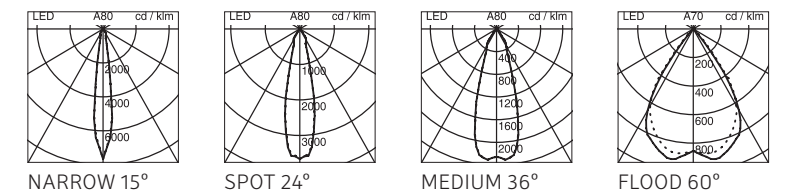
POLAR MINI

STANDARD	FASHION
2700 K	3000 K
20 W / 2050 lm	20 W / 2050 lm

POLAR UNIVERSAL

STANDARD	FASHION	STANDARD	MEAT
2700 K	3000 K	4000 K	
35 W / 4100 lm	35 W / 4150 lm	35 W / 4600 lm	39 W / 2100 lm

Beispielhafte LVK Exemplary light distribution curves



FRISK



- Ideal für niedrige Decken
- Spezielle flache Linsenoptik
- Hervorragende Farbwiedergabe mit CRI ≥ 90
- Passive Kühlung
- Flexible Ausrichtung: 90° ausschwenkbar, 360° drehbar

- Ideal for low ceilings
- Special, flat lens optics
- Excellent colour rendering: CRI ≥ 90
- Passive cooling
- Can be flexibly adjusted: tiltable through 90°, rotatable 360°

TECHNISCHE DATEN TECHNICAL DATA

Bis zu 80 lm/W Up to 80 lm/W
 2700 K, 3000 K
 CRI ≥ 90
 L90 50'000 h
 Schutzklasse I Protection class I
 IP20

AUSSTRAHLWINKEL BEAM ANGLE

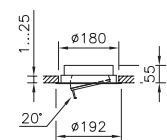
15°, 24°, 36°

FARBEN COLOURS

Weiss, silber, schwarz White, silver, black

OPTIONEN OPTIONS

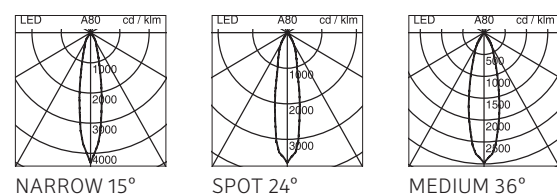
ON/OFF, DALI
 ON/OFF, DALI



FRISK LED

	STANDARD	FASHION
	2700 K	3000 K
	20 W / 2050 lm	20 W / 2050 lm

Beispielhafte LVK Exemplary light distribution curves



NARROW 15°

SPOT 24°

MEDIUM 36°

ZENA



- Formschöner, zurückversetzter LED-Einbau-Richtstrahler
- Hochwertige Verarbeitung, Leuchtenkörper und Abschlussringe aus Aluminium
- Beste Farbwiedergabe mit CRI ≥ 90
- Hohe Leuchtenlichtströme von bis zu 940 lm
- Alternative für herkömmliche Einbau-Richtstrahler mit 35/50 W Halogen und 1 × 18 W CFL
- Einfache Montage dank breitem Abdeckrand

- Beautifully designed, slightly set back recessed LED directional downlight
- High-quality workmanship, luminaire housing and cover rings made of aluminium
- Excellent colour rendering: CRI ≥ 90
- High luminous flux of up to 940 lm
- Alternative for conventional recessed directional downlight equipped with 35/50 W halogen and 1 × 18 W CFL
- Easy to mount thanks to wide trim

TECHNISCHE DATEN TECHNICAL DATA

3000 K
 CRI ≥ 90
 Schutzklasse II Protection class II
 IP20
 Höhe 100 mm Height 100 mm
 Schwenkbar 15° Adjustable 15°

EINBAUDURCHMESSER UND EINBAUTIEFE RECESSED DIAMETER AND RECESSED DEPTH

Ø 75: 100 mm
 Ø 70: 100 mm

FARBEN COLOURS

Weiss, silber, schwarz White, silver, black

OPTIONEN OPTIONS

ON/OFF, DALI, Lichtlenkungsabdeckring ellipsenförmig, Einbetoniergehäuse
 ON/OFF, DALI, cover ring for optical control, ellipsoidal, embedding housing

ZENA LED



Akzent-
 beleuchtung 20°
 Accent lighting
 20°

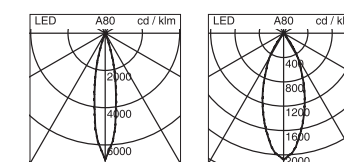
Grund-
 beleuchtung 36°
 Base lighting 36°

Lichtlenkungs-
 abdeckring
 ellipsenförmig
 Cover ring for
 optical control,
 ellipsoidal

14 W / 340 lm

14 W / 940 lm

Beispielhafte LVK Exemplary light distribution curves



CARDA



- Runder Einbaurahmen (Carda) oder quadratischer Einbaurahmen (Carda Competence)
- Leichte Montage durch Stecker zwischen Betriebsgerät und Leuchte
- Extrem engstrahlend
- Hohe Leuchteneffizienz von bis zu 122 lm/W
- Brillantes Weiss, z.B. für Fashion
- Passive Kühlung
- Flexible Ausrichtung: 90° schwenkbar, 360° drehbar

- Round mounting frame (Carda) or square mounting frame (Carda Competence)
- Simple to mount thanks to plug connection between control gear and luminaire
- Extremely narrow beam
- High luminous efficacy of up to 122 lm/W
- Bright white light, e.g. for fashion goods
- Passive cooling
- Can be flexibly adjusted: tiltable through 90°, rotatable 360°

TECHNISCHE DATEN TECHNICAL DATA

Bis zu 122 lm/W Up to 122 lm/W
 2700 K, 3000 K, 4000 K
 CRI ≥ 85
 ON/OFF
 L90 50'000 h
 Schutzklasse II Protection class II
 IP20

EINBAUDURCHMESSER UND EINBAUTIEFE RECESSED DIAMETER AND RECESSED DEPTH

Carda:
 Ø 180: 146 mm
 Carda Competence:
 180 x 180 mm: 146 mm
 180 x 364 mm: 146 mm
 180 x 546 mm: 146 mm
 364 x 364 mm: 146 mm

AUSSTRAHLWINKEL BEAM ANGLE

15°, 24°, 36°, 60°

FARBEN COLOURS

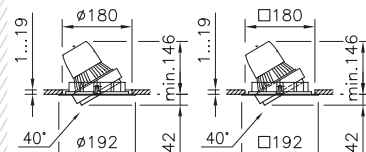
Weiss, schwarz White, black

OPTIONEN OPTIONS

DALI, Reflektoren-Set, Einbaurahmen
 DALI, reflector set, recessed frame



Carda Carda Competence



Carda Carda Competence

PRESTIGE CARDA



- Leichte Montage durch Stecker zwischen Betriebsgerät und Leuchte
- Auch extrem engstrahlend – ein Einbau-Kardanstrahler für schöne Akzente
- Hohe Leuchteneffizienz von bis zu 103 lm/W
- Brillantes Weiss, z.B. für Fashion
- Passive Kühlung
- Flexible Ausrichtung: 90° schwenkbar, 360° drehbar

- Simple to mount thanks to plug connection between control gear and luminaire
- Also extremely narrow beam – gimbal recessed spotlights for creating attractive highlights
- High luminous efficacy of up to 103 lm/W
- Bright white light, e.g. for fashion goods
- Passive cooling
- Can be flexibly adjusted: tiltable through 90°, rotatable 360°

TECHNISCHE DATEN TECHNICAL DATA

Bis zu 103 lm/W Up to 103 lm/W
 2700 K, 3000 K
 CRI ≥ 85
 Farbconsistenz SDCM 2 Colour consistency SDCM 2
 L90 50'000 h
 Schutzklasse II Protection class II
 IP20

EINBAUDURCHMESSER UND EINBAUTIEFE RECESSED DIAMETER AND RECESSED DEPTH

Ø 124: 90 mm

AUSSTRAHLWINKEL BEAM ANGLE

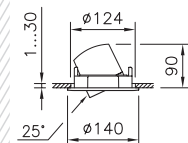
15°, 24°, 36°, 60°

FARBEN COLOURS

Weiss, schwarz White, black

OPTIONEN OPTIONS

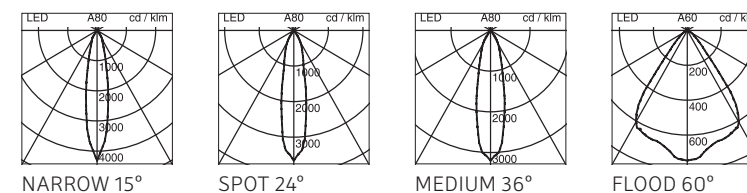
ON/OFF, DALI, Reflektoren-Set
 ON/OFF, DALI, reflector set



PRESTIGE CARDA

	STANDARD	FASHION
	2700 K	3000 K
	20 W / 2050 lm	20 W / 2050 lm

Beispielhafte LVK Exemplary light distribution curves



SOLO SLIM



- Direkt und indirekt strahlend
- Hocheffiziente LEDs der neuesten Generation mit einer Leuchteneffizienz von bis zu 141 lm/W
- Extrem gleichmässig hinterleuchteter opaler Diffusor oder mikroprismatische Optik
- Gehäuse wie aus einem Guss – perfekt verarbeitetes Aluminium garantiert fugenlose Oberfläche
- Baldachin mit Pendelrohr und Kugelgelenk für Selbstnivellierung
- Tunable White – Veränderung der Farbtemperatur in Anlehnung an den Tageslichtverlauf

- Direct and indirect lighting
- Highly efficient, state-of-the-art LEDs with a luminous efficacy of up to 141 lm/W
- Extremely uniform spread of light across the opal diffuser or microprismatic optics
- One-piece look aluminium housing – excellent workmanship, no visible seams
- Ceiling canopy with pendant tube and self-levelling ball joint
- Tunable White – colour temperature can be adjusted to align with daylight conditions over the day

TECHNISCHE DATEN TECHNICAL DATA

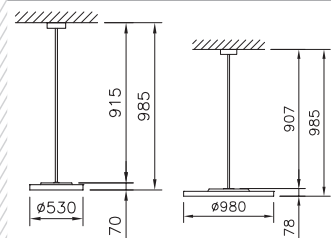
Bis zu 141 lm/W Up to 141 lm/W
 3000 K, 4000 K
 CRI ≥ 80
 Bis zu UGR ≤ 16 Up to UGR ≤ 16
 DALI
 Rahmenhöhe nur 53 mm Height of frame only 53 mm
 Ø 530, 980 mm



FARBEN COLOURS

Weiss, silber White, silver

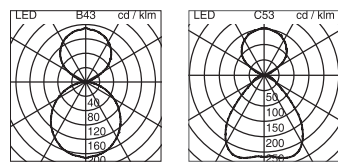
OPTIONEN OPTIONS

Mylights remote, Notbeleuchtung, Lichtverteilung
 direkt-indirekt strahlend
 Mylights remote, emergency lighting, direct/indirect light
 distribution



		SOLO SLIM LED	SOLO SLIM OFFICE C-LED
	Ø 530 mm	25 W/3300 lm 52 W/6500 lm 54 W/6500 lm*	25 W/3350 lm 52 W/6600 lm 54 W/6600 lm*
	Ø 980 mm	60 W/8300 lm 114 W/15600 lm	60 W/8400 lm 114 W/16100 lm

Beispielhafte LVK Exemplary light distribution curves



*Tunable White 2700 K – 6500 K

TORINO



- Aussergewöhnlich homogene allseitige Ausleuchtung des transluzenten Design-Gehäuses durch dreidimensionale LED-Platine
- Bürotauglich mit bis zu UGR ≤ 16; Lmax ≥ 65° ≤ 1500 cd/m²
- Leuchtenlichtstrom bis zu 11 100 lm
- Bis zu 43% indirektstrahlend
- Höchste Leuchteneffizienz bis zu 114 lm/W
- Direktes, indirektes und seitliches Licht ermöglicht eine erstklassige Ausleuchtung des Raumes

- Unusually even spread of light across the translucent design housing in all directions thanks to the three-dimensional LED board
- Suitable for application in offices, UGR ≤ 16; Lmax ≥ 65° ≤ 1500 cd/m²
- Luminous flux of up to 11 100 lm
- Indirect component up to 43%
- Excellent luminous efficacy of up to 114 lm/W
- Direct/Indirect, omni-directional light provides excellent spread of light throughout the space

TECHNISCHE DATEN TECHNICAL DATA

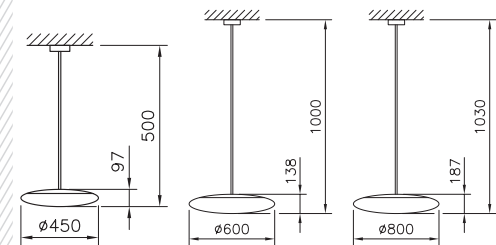
Bis zu 114 lm/W Up to 114 lm/W
 3000 K, 4000 K
 CRI ≥ 80
 Bis zu UGR ≤ 16 Up to UGR ≤ 16
 DALI
 Schutzklasse I Protection class I
 IP40
 Pendelrohr kürzbar, mit Kugelgelenk für Selbstnivellierung
 Pendant tube can be cut to length, with ball and socket joint, self-adjusting
 Ø 450, 600, 800 mm

FARBEN COLOURS

Opal

OPTIONEN OPTIONS

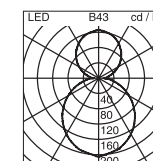
Notbeleuchtung
 Emergency lighting



TORINO LED

	Gesamthöhe inkl. Pendel Overall height incl. pendant		Direkt-/ Indirektanteil Direct/Indirect component
Ø 450 mm	500 mm	23 W/2450 lm 43 W/4100 lm	64%/36% 64%/36%
Ø 600 mm	1000 mm	34 W/3850 lm 73 W/7100 lm	57%/43% 57%/43%
Ø 800 mm	1030 mm	64 W/6900 lm 117 W/11100 lm	61%/39% 61%/39%

Beispielhafte LVK Exemplary light distribution curves



MINERGIE®

TEA



- Leuchtelement in Tropfenform aus glasklarem Kunststoff
- Hochpräzise Reflektoren für garantiert blendfreies Licht
- Raffinierter Lichteffekt dank innovativem Turbinenprofil
- Kabelaufhängung transparent mit integrierter Glasfaser
- Integrierter Kühlkörper für passiv gekühlten Betrieb

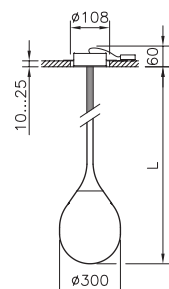
- Pendant luminaire in the form of a droplet made of clear acrylic glass
- High-precision reflectors for guaranteed glare-free light
- Clever lighting effect thanks to the innovative turbine profile
- Transparent cable suspension with integral optical glass fibre
- Integral heat sink for passive cooling

TECHNISCHE DATEN TECHNICAL DATA

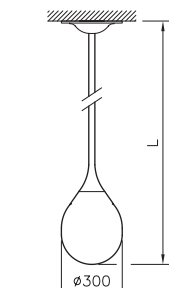
21 W
1950 lm
3000 K, 4000 K
CRI ≥ 80
UGR ≤ 19
DALI
Schutzklasse I Protection class I
IP20
Ø 300 mm

TEA LED

mit Einbaubaldachin
with recessed canopy 22 W/2000 lm



mit Anbaubaldachin
with surface-mounted canopy 22 W/2000 lm



SOLO SLIM



TECHNISCHE DATEN TECHNICAL DATA

Bis zu 134 lm/W Up to 134 lm/W
3000 K, 4000 K
CRI ≥ 80
UGR ≤ 19
DALI
Rahmenhöhe nur 53 mm Height of frame only 53 mm
Ø 430, 530, 680, 980 mm

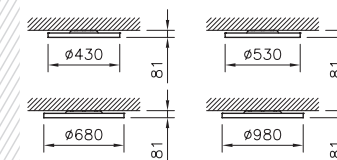
FARBEN COLOURS

Weiss, silber White, silver

OPTIONEN OPTIONS





Mylights remote, Notbeleuchtung, IP44, indirektstrahlende Corona
Mylights remote, emergency lighting, IP44, halo effect through indirect light component

Auch mit opalem Diffusor erhältlich (siehe Kapitel Decken- und Wandbauleuchten)
Also available with opal diffuser (see section on ceiling and wall mounted luminaires)

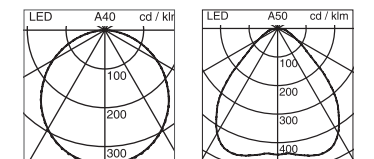


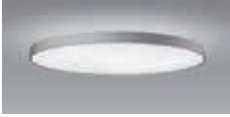
- Gehäuse wie aus einem Guss – perfekt verarbeitetes Aluminium garantiert fugenlose Oberfläche
- Hocheffiziente LEDs der neuesten Generation mit einer Leuchteneffizienz von bis zu 134 lm/W
- Bürotaugliche mikroprismatische Optik
- Optional mit indirektstrahlender Corona
- Tunable White – Veränderung der Farbtemperatur in Anlehnung an den Tageslichtverlauf

- One-piece look aluminium housing – excellent workmanship, no visible seams
- Highly efficient, state-of-the-art LEDs with a luminous efficacy of up to 134 lm/W
- Microprismatic optics suitable for application in offices
- Optional halo effect through indirect light component
- Tunable White – colour temperature can be adjusted to align with daylight conditions over the day

		SOLO SLIM LED	SOLO SLIM OFFICE C-LED
	Ø 430 mm	9 W/1150 lm 19 W/2150 lm	9 W/1150 lm 19 W/2150 lm
	Ø 530 mm	18 W/2200 lm 31 W/3600 lm 33 W/3700 lm* 49 W/5200 lm	18 W/2200 lm 31 W/3700 lm 33 W/3700 lm*
	Ø 680 mm	30 W/3850 lm 46 W/5600 lm 75 W/8500 lm	30 W/4050 lm 46 W/5800 lm
	Ø 980 mm	66 W/8600 lm 92 W/11300 lm 156 W/17200 lm	66 W/8900 lm 92 W/11900 lm

Beispielhafte LVK Exemplary light distribution curves



 optional mit indirektstrahlender Corona
optional halo effect through indirect light component

*Tunable White 2700 K – 6500 K

PURELITE



- Die neue Generation von Lichtlinien: planungs- und montagefreundlich dank extraflacher Konstruktion von nur 35 mm inkl. Betriebsgerät
- Ideal für Renovationen, da die flache Konstruktion einen Einbau überflüssig macht
- Zwei Ausführungen: Purelite LED – rundumstrahlend mit Deckenaufhellung und Purelite D LED – direktstrahlend
- Schattenfreie, lückenlose Lichtlinie in zeitlosem Design
- Bürotauglich bei bis zu 3100 lm/1,2 m (Purelite C-LED), bei diffuser Abdeckung bis zu 3330 lm/1,2 m
- LED-Clip-Lichtleiste mit integrierter Durchgangsverdrahtung für schnelle Montage

- The new generation of linear lighting systems: easy to design with and install thanks to ultra-flat housing, 35 mm incl. control gear
- Ideal for renovation projects, recessed mounting is not necessary thanks to ultra-flat design
- Two versions: Purelite LED – omni-directional incl. ceiling illumination and Purelite D LED – for direct lighting
- Shadow-free, uninterrupted lines of light incorporated into timeless design
- Suitable for application in offices at up to 3100 lm/1.2 m (Purelite C-LED), with diffuse glass cover at up to 3330 lm/1.2 m
- LED clip modules with integral through-wiring for quick and easy mounting

TECHNISCHE DATEN TECHNICAL DATA

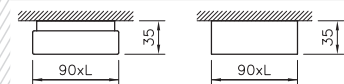
Bis zu 120 lm/W Up to 120 lm/W
 3000 K, 4000 K
 CRI ≥ 80
 Bis zu UGR ≤ 19 (C-LED) Up to UGR ≤ 19 (C-LED)
 DALI
 Schutzklasse I Protection class I
 IP20
 Gesamthöhe 35 mm Overall height 35 mm

FARBEN COLOURS

Aluminium eloxiert Anodised aluminium

OPTIONEN OPTIONS

Aufhängungs-Set für Pendelmontage
 Suspension set for pendant mounting



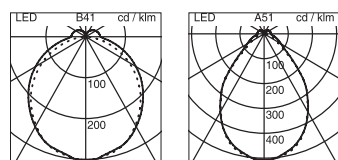
Purelite LED Purelite D LED

RUNDUMSTRAHLEND OMNI-DIRECTIONAL



	PURELITE LED	PURELITE C-LED
781 mm	18 W/2080 lm	
1231 mm	17 W/1990 lm 30 W/3330 lm	30 W/3100 lm
1531 mm	21 W/2490 lm 37 W/4160 lm	37 W/3880 lm
2131 mm	29 W/3480 lm 52 W/5830 lm	52 W/5430 lm

Beispielhafte LVK Exemplary light distribution curves

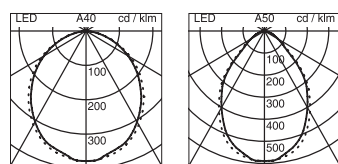


DIREKTSTRAHLEND DIRECT LIGHTING



	PURELITE D LED	PURELITE D C-LED
758 mm	18 W/1880 lm	
1208 mm	17 W/1680 lm 30 W/3000 lm	30 W/2400 lm
1508 mm	21 W/2100 lm 37 W/3750 lm	37 W/3000 lm
2108 mm	29 W/2940 lm 52 W/5250 lm	52 W/4200 lm

Beispielhafte LVK Exemplary light distribution curves



TORINO



- Aussergewöhnlich homogene allseitige Ausleuchtung des transluzenten Design-Gehäuses durch dreidimensionale LED-Platine
- Mit Lichtkrone, unterstreicht die Deckenästhetik und erhöht den Sehkomfort, Indirektanteil bis zu 20%
- Höchste Leuchteneffizienz bis zu 106 m/W
- Direktes, indirektes und seitliches Licht ermöglicht eine erstklassige Ausleuchtung des Raumes

- Unusually even spread of light across the translucent design housing in all directions thanks to the three-dimensional LED board
- With halo effect, underscores the ceiling aesthetics and enhances visual comfort; indirect component up to 20%
- Excellent luminous efficacy of up to 106 m/W
- Direct/Indirect, omni-directional light provides excellent spread of light throughout the space

TECHNISCHE DATEN TECHNICAL DATA

Bis zu 106 lm/W Up to 106 lm/W
 3000 K, 4000 K
 CRI ≥ 80
 Bis zu UGR ≤ 16 Up to UGR ≤ 16
 DALI
 Schutzklasse I Protection class I
 IP40
 Ø 450, 600, 800 mm

FARBEN COLOURS

Opal

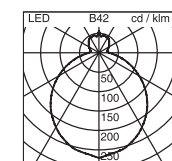
OPTIONEN OPTIONS

Notbeleuchtung
 Emergency lighting

TORINO LED

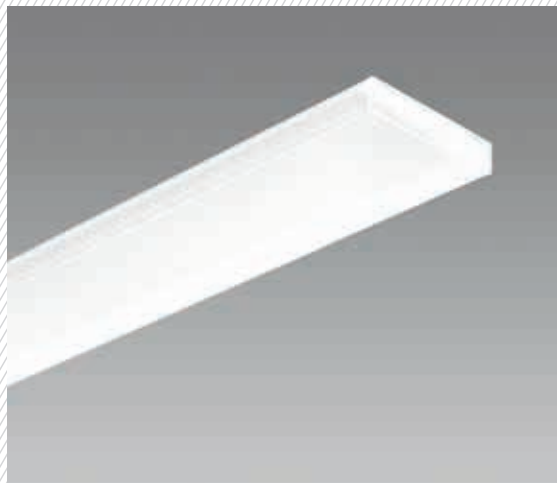
			Direkt-/ Indirektanteil Direct/Indirect component
	Ø 450 mm	17 W/1880 lm 32 W/3150 lm	84%/16% 84%/16%
	Ø 600 mm	24 W/2750 lm 51 W/5000 lm	80%/20% 80%/20%
	Ø 800 mm	50 W/5700 lm 86 W/9100 lm	81%/19% 81%/19%

Beispielhafte LVK Exemplary light distribution curves



MINERGIE®

PURELITE



- Die neue Generation von Lichtlinien: planungs- und montagefreundlich dank extraflacher Konstruktion von nur 35 mm inkl. Betriebsgerät
- Zwei Ausführungen: Purelite LED – rundumstrahlend mit Deckenaufhellung und Purelite D LED – direktstrahlend
- Vereinfachter Einbau: Keine statischen Massnahmen nötig, da Purelite LED unterhalb der Armierung eingebaut wird. Der Diffusor als Abdeckrand spart einen Arbeitsgang.
- Schattenfreie, lückenlose Lichtlinie in zeitlosem Design
- Purelite C-LED bürotauglich mit bis zu 3100 lm/1,2 m
- LED-Clip-Lichtleiste mit integrierter Durchgangsverdrahtung für schnelle Montage

- The new generation of linear lighting systems: easy to design with and install thanks to ultra-flat housing, 35 mm incl. control gear
- Two versions: Purelite LED – omni-directional incl. ceiling illumination and Purelite D LED – for direct lighting
- Easy to install: no additional static requirements, given that Purelite LED can be mounted beneath the rebars; the diffuser serves as the trim, saving time during installation.
- Shadow-free, uninterrupted lines of light incorporated into timeless design
- Purelite C-LED, suitable for application in offices at up to 3100 lm/1.2 m
- LED clip modules with integral through-wiring for quick and easy mounting

TECHNISCHE DATEN TECHNICAL DATA

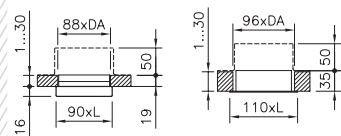
Bis zu 120 lm/W Up to 120 lm/W
 3000 K, 4000 K
 CRI ≥ 80
 Bis zu UGR ≤ 19 (C-LED) Up to UGR ≤ 19 (C-LED)
 DALI
 Schutzklasse I Protection class I
 IP20
 Sichtbare Diffusor-Höhe bei der Purelite LED 16 mm
 Visible height of the diffuser of the Purelite LED after installation is just 16 mm

FARBEN COLOURS

Aluminium eloxiert Anodised aluminium

OPTIONEN OPTIONS

Purelite D mit Abdeckrand oder ohne, Aufhängungs-Set für Pendelmontage
 Purelite D with or without ceiling trim, suspension set for pendant mounting



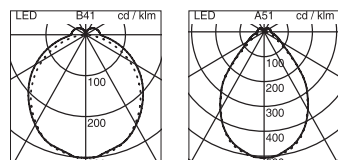
Purelite LED Purelite D LED

RUNDUMSTRAHLEND OMNI-DIRECTIONAL



	PURELITE LED	PURELITE C-LED
781 mm	18 W/2080 lm	
1231 mm	17 W/1990 lm 30 W/3330 lm	30 W/3100 lm
1531 mm	21 W/2490 lm 37 W/4160 lm	37 W/3880 lm
2131 mm	29 W/3480 lm 52 W/5830 lm	52 W/5430 lm

Beispielhafte LVK Exemplary light distribution curves

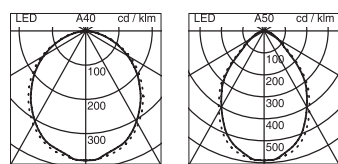


DIREKTSTRAHLEND DIRECT LIGHTING



	PURELITE D LED	PURELITE D C-LED
758 mm	18 W/1880 lm	
1208 mm	17 W/1680 lm 30 W/3000 lm	30 W/2400 lm
1508 mm	21 W/2100 lm 37 W/3750 lm	37 W/3000 lm
2108 mm	29 W/2940 lm 52 W/5250 lm	52 W/4200 lm

Beispielhafte LVK Exemplary light distribution curves

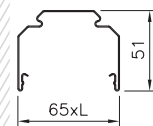


TRAQ LINEAR



TECHNISCHE DATEN TECHNICAL DATA

IP20/IP54 als Gesamtsystem möglich
 IP20/IP54 possible for the overall system
 Stahlblech Steel sheet
 Mit integrierter Stromführung 7-polig oder 11-polig
 With integral 7-pole or 11-pole wiring
 Kabeleinführung stirnseitig oder von oben
 Feed point (mains supply) from the front or above
 Höhe 51 mm Height 51 mm
 Breite 65 mm Width 65 mm



FARBEN COLOURS

Weiss, silber White, silver

- Deckenmontage, Systemdecken-, Wand-, Pendelrohrmontage, Ketten-, Drahtseil-abhängung
- Flexible Einspeisung von oben an jeder Tragschiene möglich mithilfe eines einfachen Steckers – volle Montage-Flexibilität (für Gesamtsystem IP20)
- 7-polige oder 11-polige Ausführung – nur zahlen, was man wirklich braucht
- Schienen vorverdrahtet – geringer Montageaufwand
- 1-längige, 2-längige und 3-längige Tragschienen, Längen zwischen 1200 mm und 4500 mm
- Schiene beliebig kürzbar
- In ein Traq-IP54-Gesamtsystem integrierbar

- For mounting on ceilings and walls, in ceiling systems, and for pendant mounting (pendant tube, steel wire/catenary suspension)
- Cable feed possible from above on every mounting rail via a simple plug – high degree of flexibility with regard to mounting (IP20 for the overall system)
- 7-pole or 11-pole wiring – only pay for what you really need
- Mounting rails are pre-wired to save installation time
- Single, double and triple lengths of mounting rail, lengths of between 1200 mm and 4500 mm
- Rails can be cut to length
- Can be integrated into a Traq IP54 system

FÜR SYSTEM-LICHTLEISTE M600 UND M1200 FOR M600 AND M1200 SYSTEM BATTENS

TRAGSCHIENE TRAQ LINEAR TRAQ LINEAR MOUNTING RAIL	7-polig 7-pole	11-polig 11-pole
1-längig single length	1186 mm	1186 mm
2-längig double length	2372 mm	2372 mm
3-längig triple length	3558 mm	3558 mm
für Einzelmontage M1200 for single mounting M1200	1186 mm	1186 mm

FÜR SYSTEM-LICHTLEISTE M600 UND M1500 FOR M600 AND M1500 SYSTEM BATTENS

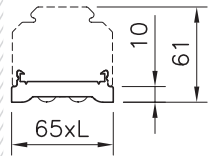
TRAGSCHIENE TRAQ LINEAR TRAQ LINEAR MOUNTING RAIL	7-polig 7-pole	11-polig 11-pole
1-längig single length	1481 mm	1481 mm
2-längig double length	2962 mm	2962 mm
3-längig triple length	4443 mm	4443 mm
für Einzelmontage M1500 for single mounting M1500	1481 mm	1481 mm

TRAQ LED



TECHNISCHE DATEN TECHNICAL DATA

3000 K, 4000 K
CRI ≥ 80
Bis zu UGR ≤ 19 Up to UGR ≤ 19
Schutzklasse I Protection class I
IP20/IP54 als Gesamtsystem möglich
IP20/IP54 possible for the overall system
Höhe 10 mm Height 10 mm
Breite 65 mm Width 65 mm



FARBEN COLOURS

Weiss, silber White, silver

OPTIONEN OPTIONS

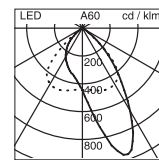
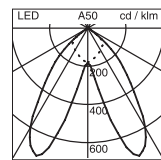
ON/OFF, DALI, Notbeleuchtung, Raster
ON/OFF, DALI, emergency lighting, louvre module

- Vier verschiedene Linsenoptiken: breit-, tief-, asymmetrisch-, doppelt asymmetrisch-strahlend
- Hocheffiziente Linsenoptik mit bis zu 143 lm/W
- Version mit UGR ≤ 19 und Lmax ≥ 65° ≤ 3000 cd/m² verfügbar
- Hoher Leuchtenlichtstrom von bis zu 12 500 lm (8330 lm pro m)
- Zusätzliches Raster für optimalen Sehkomfort durch Auflösung der Lichtpunkte (optional)
- Lichtleisten von nur 600 mm für mehr Flexibilität (Beleuchtung bis zum Rand)
- In ein Traq-IP54-Gesamtsystem integrierbar

- Four different types of lens optics: wide-beam, narrow-beam, asymmetric, double asymmetric
- Highly efficient lens optics, up to 143 lm/W
- Version available with UGR ≤ 19 and Lmax ≥ 65° ≤ 3000 cd/m²
- High luminous flux of up to 12 500 lm (8330 lm per metre)
- Louvre module can be added to dissolve tiny dots of light for optimum visual comfort (optional)
- 600 mm battens for enhanced flexibility (illumination across entire diffuser)
- Can be integrated into a Traq IP54 system

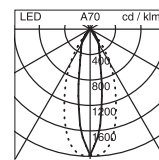
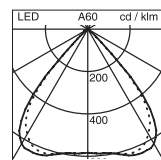
LÄNGE LENGTH	DOPELT ASYMMETRISCH STRAHLEND DOUBLE ASYMMETRIC BEAM	ASYMMETRISCH STRAHLEND ASYMMETRIC BEAM
1186 mm	33 W/4600 lm 42 W/5600 lm	23 W/2900 lm 33 W/4550 lm
1481 mm	41 W/5800 lm 52 W/7000 lm	29 W/3600 lm 41 W/5700 lm

Beispielhafte LVK Exemplary light distribution curves



LÄNGE LENGTH	BREITSTRAHLEND WIDE-BEAM	TIEFSTRAHLEND NARROW-BEAM
595 mm	11 W/1580 lm 16 W/2300 lm 26 W/3350 lm	
1186 mm	23 W/3200 lm 33 W/4600 lm 52 W/6700 lm	
1481 mm	29 W/3950 lm 41 W/5800 lm 65 W/8300 lm 92 W/12500 lm	41 W/5800 lm 65 W/8300 lm 92 W/12400 lm

Beispielhafte LVK Exemplary light distribution curves



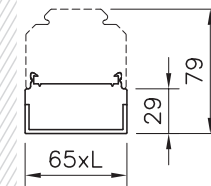
MINERGIE®

TRAQ CASE LED



TECHNISCHE DATEN TECHNICAL DATA

3000 K, 4000 K
CRI ≥ 80
Schutzklasse I Protection class I
IP20/IP54 als Gesamtsystem möglich
IP20/IP54 possible for the overall system
Höhe 29 mm Height 29 mm
Breite 65 mm Width 65 mm



FARBEN COLOURS

Weiss, silber White, silver

OPTIONEN OPTIONS

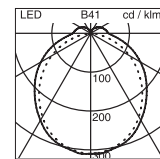
ON/OFF, DALI, Notbeleuchtung
ON/OFF, DALI, emergency lighting

- Klare Formensprache mit rechteckigem Diffusor
- Raumstrahlende Optik – idealer LED-Ersatz für raumstrahlende Leuchtstofflösungen
- Hoher wahrgenommener Sehkomfort durch opalen Diffusor
- In ein Traq-IP54-Gesamtsystem integrierbar

- Clear formal language with rectangular diffuser
- Omnidirectional optics – ideal LED replacement for omnidirectional fluorescent solutions
- Visual comfort perceived as being enhanced through the opal diffuser
- Can be integrated into a Traq IP54 system

LÄNGE LENGTH	RAUMSTRAHLEND OMNI-DIRECTIONAL
1186 mm	23 W/2650 lm 39 W/4100 lm
1481 mm	29 W/3300 lm 49 W/5100 lm

Beispielhafte LVK Exemplary light distribution curves



TRAQ EQUIP

TRAQ EQUIP ERMÖGLICHT DAS EINFACHE EINBINDEN ZUSÄTZLICHER KOMponentEN OHNE ZUSÄTZLICHE BEFESTIGUNGSPUNKTE, OHNE ZUSÄTZLICHE ELEKTRISCHE VERSORGUNG, FLEXIBEL AUF DEM LICHTBAND POSITIONIERBAR.

TRAQ EQUIP ENABLES FURTHER COMPONENTS TO BE INTEGRATED INTO THE SYSTEM EASILY WITHOUT THE NEED FOR ADDITIONAL FASTENING/MOUNTING POINTS AND WITHOUT FURTHER WIRING; COMPONENTS CAN BE POSITIONED FLEXIBLY, AS REQUIRED.



LICHTMODULE LUMINAIRE MODULES

- Matrix-Strahler für direkte Anbindung an Tragschiene Traq Linear
- Tragschiene mit integrierter Global-Stromschiene für Anbindung Strahler, ON/OFF, DALI
- Global-Stromschiene zum Einhängen in die Tragschiene Traq Linear
- Tragschiene ohne Stromführung für die Anbindung der Feuchtraumleuchte Splash
- Leuchtenhalter für mechanische Anbindung von Leuchten

- Matrix spotlights can be mounted directly onto the Traq Linear mounting rail
- Mounting rail with integral Global track for connecting spotlights, ON/OFF, DALI
- Global track for insertion into the Traq Linear mounting rail
- Mounting rail without wiring for connecting Splash moisture-proof luminaires
- Luminaire retainer for connecting additional luminaires



SICHERHEITSMODULE EMERGENCY MODULES

- Modul mit Rettungszeichenleuchte, drehbar gelagert, bei 0°, 5°, 90° feststellbar
- Modul mit Sicherheitsleuchte zur Anti-Panikbeleuchtung
- Modul mit Sicherheitsleuchte zur Fluchtwegbeleuchtung

- Escape sign luminaire module, rotatable, can be locked into place at 0°, 5°, 90°
- Emergency luminaire module for anti-panic lighting
- Emergency luminaire module for escape route lighting



SENSORMODULE SENSOR MODULES

- Sensorleiste Passiv-Infrarot (PIR) bis 5 m, IP54 geeignet, Bewegungserfassung oder Bewegungs- und Tageslichterfassung
- Sensorleiste Radar bis 5 m, IP54 geeignet, Bewegungserfassung
- Sensorleiste Passiv-Infrarot (PIR) bis 10/12 m, IP20 bzw. IP54 geeignet, Bewegungserfassung oder Bewegungs- und Tageslichterfassung
- Fernbedienung zur Einstellung der Sensoren

- Passive infrared (PIR), range up to 5 m, suitable for IP54-rated systems, presence detector or combined presence detector/daylight sensor
- Radar sensor, range up to 5 m, suitable for IP54-rated systems, presence detector
- Passive infrared (PIR), range up to 10/12 m, suitable for IP20 and IP54-rated systems, presence detector or combined presence detector/daylight sensor
- Remote control for setting the sensors

WEITERE MODULE FURTHER MODULES

- Steckdosenleiste Traq Equip (CH, A, D, F)
- Leerleiste für Anbindung von zusätzlichen Elementen

- Traq Equip socket modules (CH, A, D, F)
- Blank modules for connecting additional elements/gear



Kontakt Contacts

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