

LOVE TO SHINE

PRODUCT RANGE



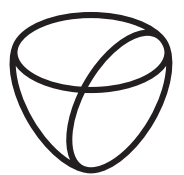
LTS
LOVE TO SHINE

LIKE
THE
STARS

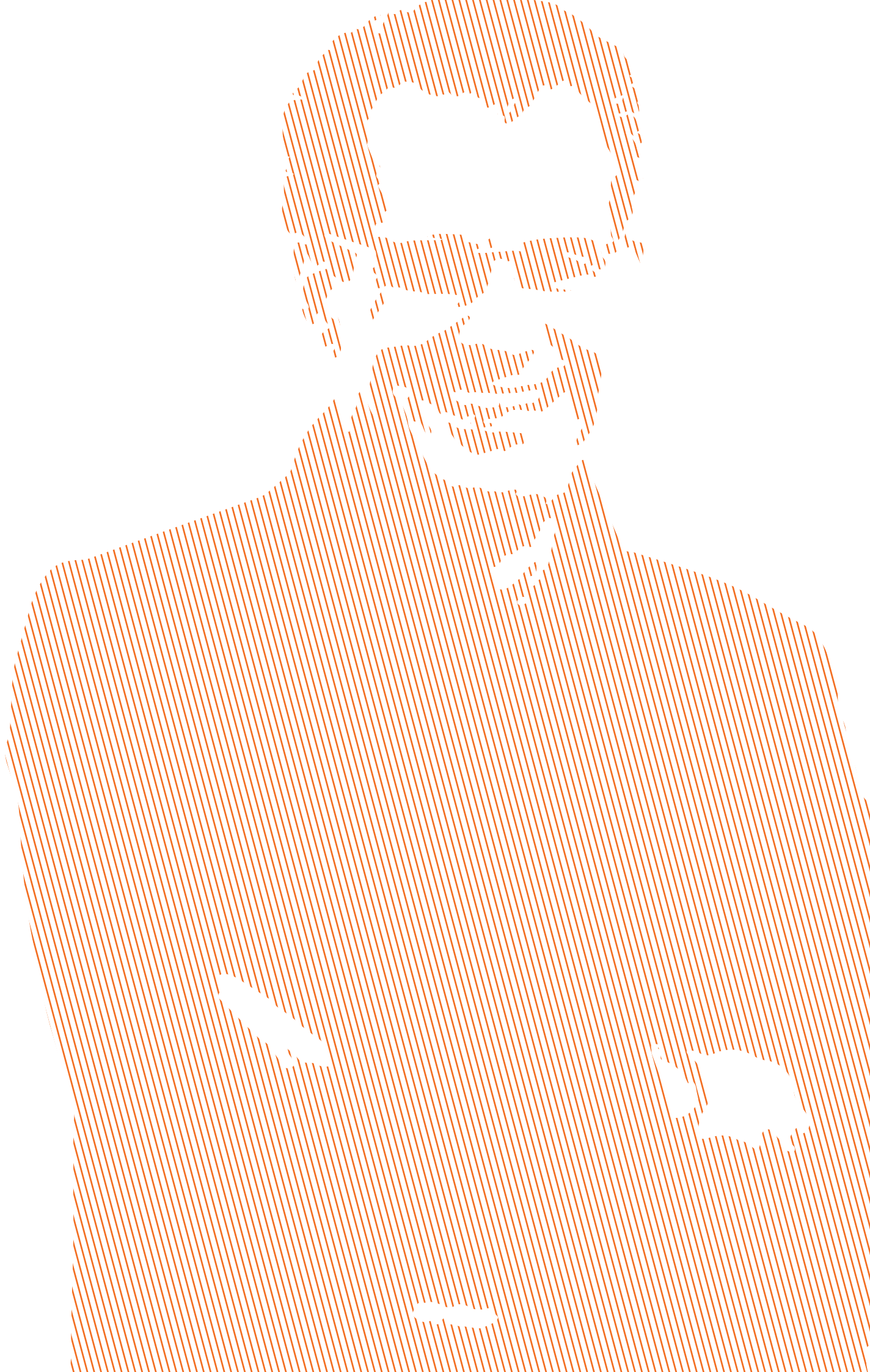


LTS
LOVE TO SHINE

COME
WORK
WITH US



LTS
LOVE TO SHINE



DOES LIGHT BRING HAPPINESS?

Dear customers, esteemed business partners,

My answer is “Yes”! For us, light is more than just a physical quantity – it invigorates the senses and energizes the mind and body. This dynamism is visible in us and our products. We love light!
Our new claim LOVE TO SHINE summarizes exactly that in memorable and powerful words, and you will also notice it in our new catalogue which you are holding in your hands.

For us, the new LTS brand means connecting the best from the past with the goals of the future. We are living our values of **dependability, openness, efficiency, authenticity, technology and premium quality** on a daily basis. We are showing our colours and addressing new challenges. You can physically see this in our new presentation: A new logo, the claim and strong colours bring brilliance to our “new face”. On my first day at LTS I sensed that this company was a gem, and now we are also sparkling like one. We want to be the most dynamic lighting partner in the industry for you. This is what we are working on and it is my promise to you!

With our shared passion for light, long-standing traditions and our impressive innovative strength we present a high-quality product portfolio which is developed and manufactured in Tettnang on Lake Constance. With a strong commitment to being „Made in Germany“, we stand by our Swabian heritage and our long-serving staff team. Furthermore, LTS works closely together with 18 sheltered workshops in the region. Thanks to the trust you place in us, our lighting solutions and the resulting business partnerships we can take on our social responsibility together.

At this point, I would like to thank you for your trust in us and your loyalty to LTS. Our inventiveness and courage to embark on new paths has shaped the 30-year history of the company. Based on this experience, we have created sustainable lighting solutions that are perfectly tailored to meet a multitude of requirements and make us stand out. We are delighted to continue offering our reliable products and customised services, always meeting your individual needs.

Until next time!



Michael Cappello

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TRACK-MOUNTED
SPOTLIGHTS



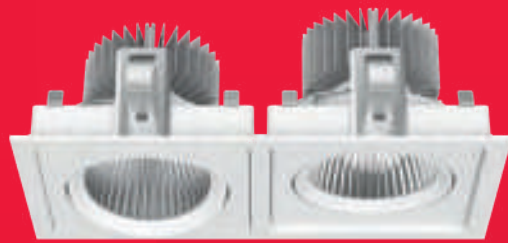
WALL
LUMINAIRES



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& ACCESSORIES **194**



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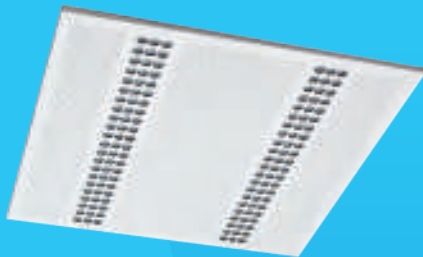
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LUMINAIRES

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RECESSED
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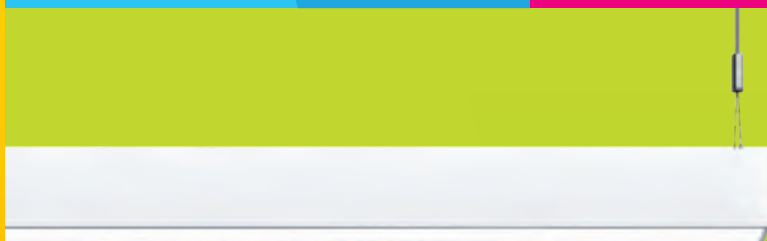
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LUMINAIRES

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SURFACE-MOUNTED
DOWNLIGHTS

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SYSTEMS

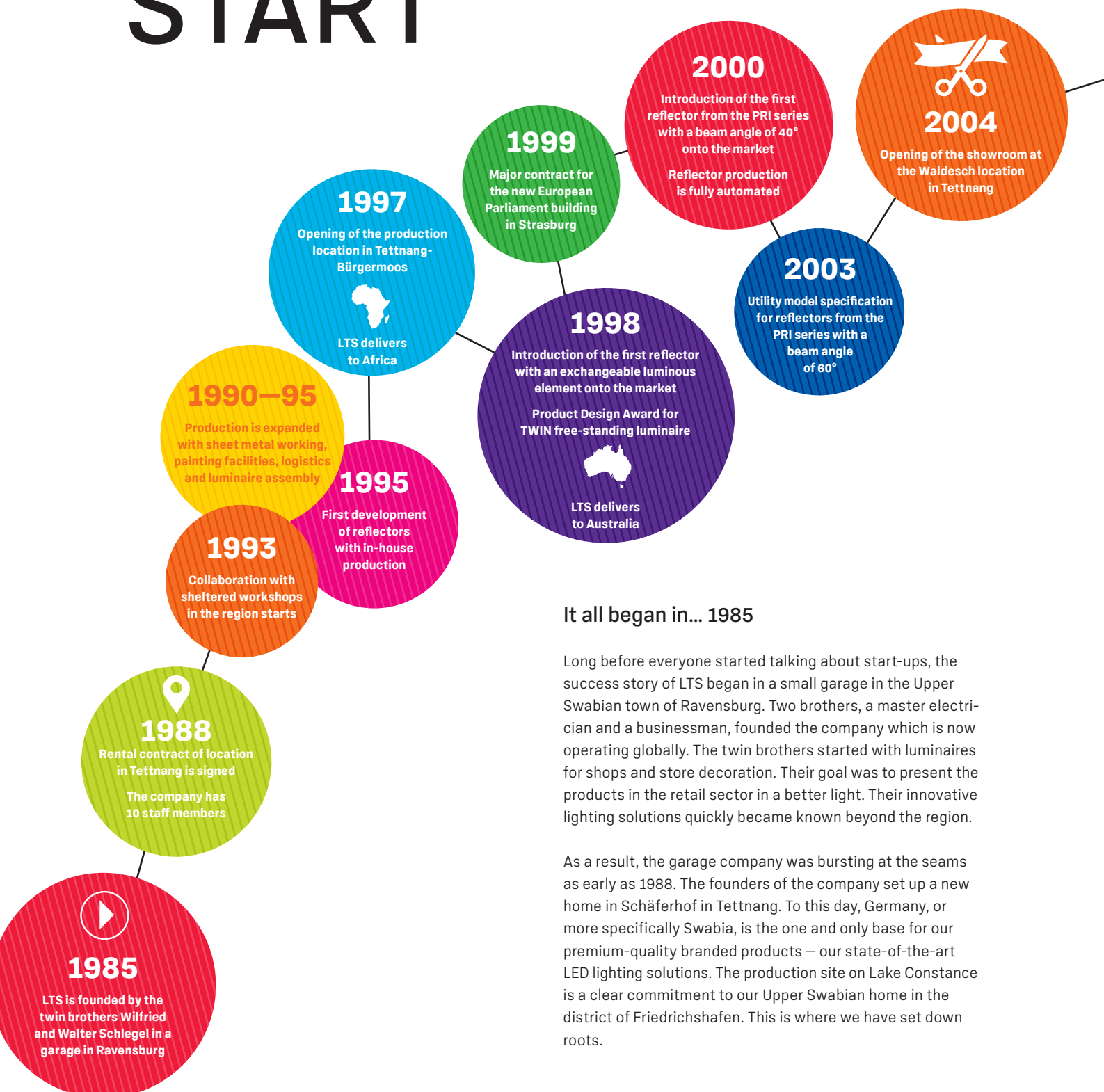
118



CEILING
& PENDANT
LUMINAIRES

124

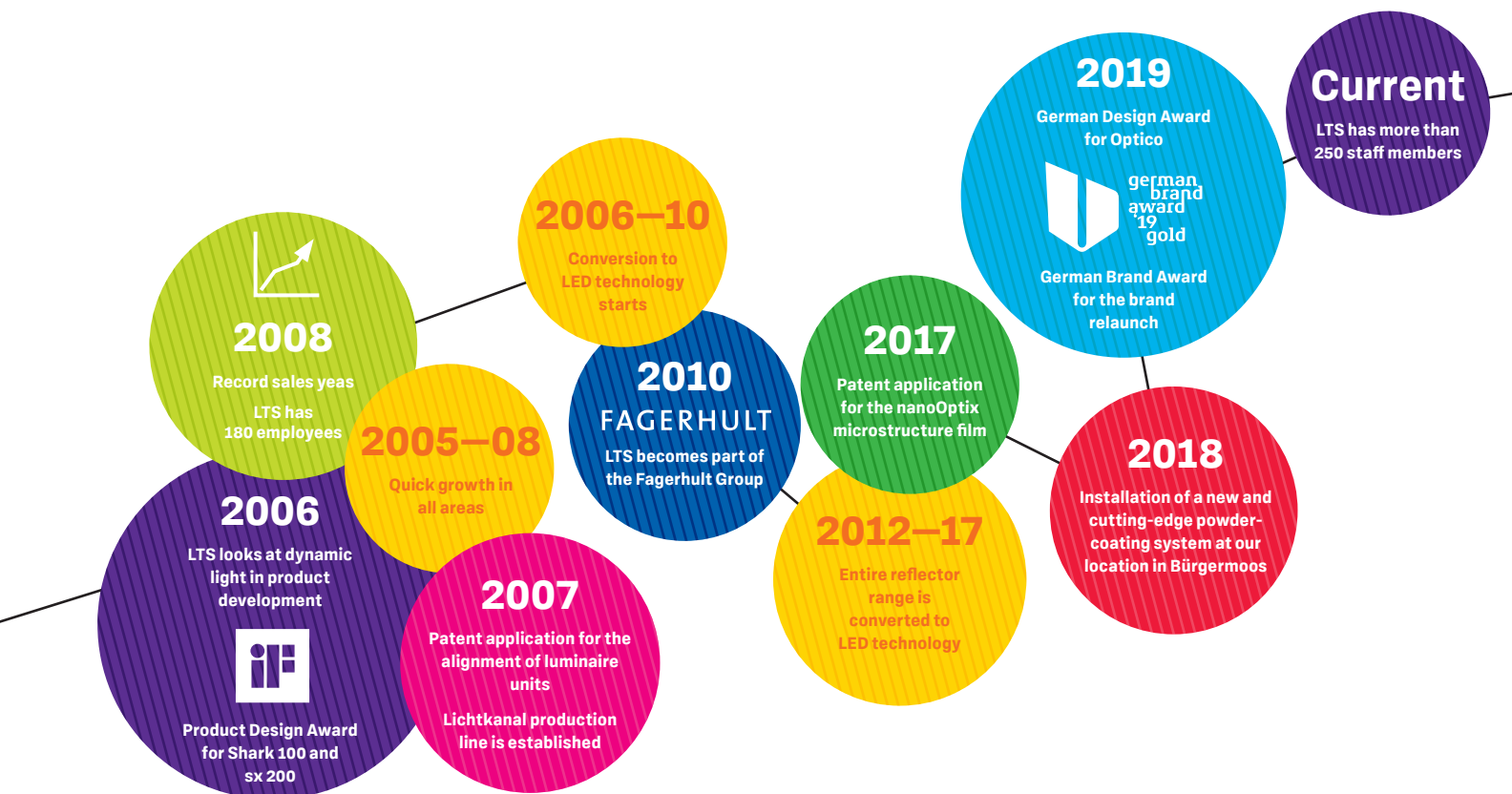
LOVE OF LIGHT FROM THE START



It all began in... 1985

Long before everyone started talking about start-ups, the success story of LTS began in a small garage in the Upper Swabian town of Ravensburg. Two brothers, a master electrician and a businessman, founded the company which is now operating globally. The twin brothers started with luminaires for shops and store decoration. Their goal was to present the products in the retail sector in a better light. Their innovative lighting solutions quickly became known beyond the region.

As a result, the garage company was bursting at the seams as early as 1988. The founders of the company set up a new home in Schäferhof in Tett nang. To this day, Germany, or more specifically Swabia, is the one and only base for our premium-quality branded products – our state-of-the-art LED lighting solutions. The production site on Lake Constance is a clear commitment to our Upper Swabian home in the district of Friedrichshafen. This is where we have set down roots.



In-house innovative strength and quality

Electricians and developers, engineers and designers, architects and sales representatives work hand in hand at LTS. New trends are tracked down together, high-quality solutions are developed, scientifically tested and perfectly implemented. For this reason, LTS possesses a number of utility model specifications and patents for ground-breaking lighting solutions. For example, our reflector technology made us the world market leader in 2000.

Radiating into the whole world – from Tett nang

LTS has been a part of the Fagerhult Group since 2010. “Think global, act local” is the motto of the Swedish group, consisting of 13 independently operating companies. Being a member of a group that only works with strong and economically sound subsidiaries means LTS is ideally placed to be internationally connected. The high-quality product range of the sister companies offers the perfect complement to our own portfolio. In this way, we can implement complex projects on a new scale at an international level. All from a single source!

Dynamic brand in a new light

Returning to values that demonstrate meaning and identity and focussing on our core strengths has led to a process of development towards a new profile. Since the end of 2018,

LTS has had an innovative brand image with a dynamic look. The focus is on a new logo, which not only contains the initials, but also embodies a cup, a diamond, a heart, as well as a luminaire unit and a reflector. It is accompanied by the new claim: LOVE TO SHINE, which gives life to the initials L, T and S. Our new company image shines thanks to the strong colours. And one central design element is the angular surface which refers to the radiation character of our luminaires. Everything together represents our great enthusiasm for light and the related focus on qualitative values, combined with a high level of adaptability.

Social responsibility and “Made in Tett nang”

LTS has continuously increased its social involvement since 1993. Today we are working closely with 18 sheltered workshops in the region. LTS supports people in their participation in an active working life and in their inclusion. This collaboration is how we assume our social responsibility.

By now, the entire LTS team is formed of approximately 250 employees, who all work on reliable lighting solutions. All the process steps in assembly are carried out manually. Manufacturing is supported by cutting-edge articulated robots. And the patented reflectors are still produced exclusively on Lake Constance. An in-house powder-coating system completes our collection of high-tech machinery and ensures independence in production. These aspects contribute to our sustained success and make LTS a premium, fast and flexible manufacturer.

ON A PERSONAL NOTE

18 questions, answered by Michael Cappello

He could have become an opera singer with this resounding name, but things turned out differently. After various positions as an executive manager in well-known companies in the US and Germany, the qualified industrial engineer became the CEO of LTS at the beginning of 2018. Only a few still consider him a newcomer to the industry, but they are wrong! For this reason, we are looking forward to a conversation with him to get to know him better!

What do you drink at the end of a working day? Wine, water or do you prefer beer?

I place a lot of value on energy and a healthy diet. For this reason, I drink simple tap water. We get it directly from Lake Constance. The Alps deliver meltwater to the lake. Coming from one of the most important mountain ranges in the world, this water is of a special quality. I draw strength from it.

Bread or bread roll?

Whole-grain bread, also because we don't really have what you would know as a bread roll in Swabia. As I have learned, they are called "Weckle" here.

Barefoot or dress shoes?

Actually, I prefer trainers. They allow for optimum movement and help me go quickly from thinking to doing, in other words, they get me moving. For me personally, trainers represent both high functionality and a great standard of design. I am not sure that my sneakers look as cool as my children's, but maybe it's best that way. *Cappello is laughing.*

Where do you like to go on holiday?

I like to be where I am surrounded by my family and friends. I spent my last holiday in Sicily. I love the special atmosphere and the invigorating brightness. I am well aware of the fact that light influences our health and well-being, but I am still fascinated every single time when I experience it personally. Even a dull sky produces several thousand lux in Sicily. That's a real pick-me-up.

What is the ugliest word of the German language that you can think of right now?

I don't like the abbreviation we use for conference call: Telko. It's a cross between the words "Telefon" and "Konferenz". But given that I always try to focus on the positive, instead I would like to tell you a word that means a lot to us at LTS: passion. Working with passion means that you are engaged and act with empathy. You will only be able to offer the right solutions if you know your clients. That is my definition of "service-oriented".

Your favourite animal?

The chamelephant. A combination of an elephant and a chameleon. An elephant has an excellent memory and is a good listener. The chameleon adapts to any given environment. In reference to our clients, this is exactly what we offer: custom-designed lighting solutions.

Call or text message?

At LTS we are intensively involved with digital transformation and innovative technologies, but I admit I am a fan of analogue leadership culture and personal conversations.

Do you ever have problems sleeping?

No. That is because I can rely on my team. For me, trust is the basis of further development. No matter at what level and in which position – trust always starts with yourself.

Do you have a Swabian side?

Swabians are said to be very diligent

and inventive, and rightly so. These are characteristics that also describe LTS. Personally, I mainly share the humility that sometimes keeps us from being extremely proud of what we have achieved.

Sports car or SUV?

If I had to pick, I would go for the faster option. What's great about my favourite car is the high level of reliability and efficiency. I am sure the manufacturer copied that from our luminaires. *Cappello is laughing.*

Which joke makes you laugh?

I love to laugh, preferably at myself, but I am really bad at telling jokes.

Netflix or television?

Neither nor. I am a great fan of podcasts. But I would rather invest my free time in my family or sports. If I still have some free time at home, then I like chess; not learning how to play chess but rather learning from chess. This game is about the art of changing perspectives and a combination of cool reason and intuition.

Home or abroad?

Home is very important to me personally, but home is not a place, it's a feeling. For LTS, I prefer the wider world. We want to become the most dynamic brand in the lighting industry in the relevant international markets. This is ambitious, I know, but setting this goal has already got things moving within our team.

What does collaboration with the other Fagerhult subsidiaries mean in practical terms?

With an increasing consolidation in the global lighting industry, it is important to take on a very active role. Instead of getting bogged down in details, with the Fagerhult Group we have the possibility to think and act big. LTS offers its clients a full range of products and services. It is like a good flat-sharing community: We can benefit from one another and provide mutual support, however, we all have our own rooms to retreat to. This is how we can maintain our creative independence and further develop individual core competencies.

Daylight or artificial light?

As a matter of fact, we live in biological darkness because we are no longer shaped by daylight but by artificial light. We have to adapt to this development with extensive research. While, for a long time, light design was all about brightness and about making buildings and objects shine in a positive light, today the focus is primarily on the health effects on humans.

Do bosses and employees live in parallel worlds?

This is probably a matter of perspective. Managers mainly see their world from the company perspective and easily forget how important interpersonal relationships are. But in order to be able to successfully implement projects, they depend on their team. Employees must learn to keep in mind a sense of overall responsibility that is becoming increasingly important in our networked working environment.

What have you reflected upon this morning?

We are proactively searching for staff members to work in various areas and are confronted by the fact that the change from an employer's market to an

employee's market is in full swing. Unlike in the past, companies now have to make a real effort to be perceived as attractive employers. Young employees have very specific ideas of how they want to organise their professional lives. They no longer want to accept poor leadership, rigid structures and a lack of scope for experimentation and for exactly that reason we are the right place for them. We are different. We LOVE TO SHINE.

Your favourite quote?

It is better to light one small candle than to curse the darkness.

Thank you very much for your openness and the interesting conversation.

You're welcome, it was fun.





LTS WORLDWIDE

Come with us on a journey through our work and be inspired – by the spaces that are illuminated by LTS.

For 34 years, we have been rooted in Tettngang and our home region of Lake Constance. We develop and produce our premium-quality products here in two locations. Very deliberately from a single source and all “Made in Tettngang”.

It is important to us to be in direct contact with our clients, so we have local contacts on site. 21 colleagues work as field sales staff in Germany, Austria and Switzerland. We are available to personally answer and discuss all questions relating to our innovative lighting solutions.

Our service includes sampling on site, as well as providing support when it comes to design, installation and maintenance. Our offer covers intensive guidance throughout all phases of the project. As a member of the Swedish Fagerhult Group, LTS is capable of implementing complex international projects on a new scale from a single source. With sales companies and partners in more than 47 countries, we can guarantee reliable collaboration and smooth project handling: from New Delhi to Moscow all the way to Sydney. The numerous and diverse projects we have implemented internationally are testament to this and make us proud. Renowned brands, such as Marc Cain, Porsche and Google, have put their trust in our solutions.

GERMANY

- 1) NYX Hotel, Munich
- 2) Ravensburger, Montabaur
- 3) Gabor, Mindelheim
- 4) EDEKA, Friedrichshafen
- 5) Hymer, Bad Waldsee
- 6) SAE Institute, Berlin
- 7) Porsche, Wiesbaden
- 8) Aston Martin, Filderstadt
- 9) bulthaup, Braunschweig
- 10) Mercedes-Benz, Esslingen
- 11) adidas, Herzogenaurach
- 12) Intercity, Frankfurt
- 13) Leonardo Royal Hotel, Ulm
- 14) Jaguar Land Rover Classic Cars, Essen
- 15) Tafelzier, Nuremberg
- 16) Holiday Inn, Düsseldorf
- 17) dm, Hamburg
- 18) Marc Cain, Aachen

THE NETHERLANDS

- 19) Esprit, Amsterdam
- 20) Wolford, Amsterdam
- 21) Volkswagen, Utrecht

LUXEMBURG

- 22) O'Neill

BELGIUM

- 23) SIXT, Brussels

SWITZERLAND

- 24) Zentralbibliothek, Zurich
- 25) Google, Zurich
- 26) Consulate of Japan, Geneva

AUSTRIA

- 27) Douglas, Vienna
- 28) Die Wälderin, Mellau

POLAND

- 29) Polish National Radio Symphony Orchestra, Katowice

FRANCE

- 30) Wolford, Paris
- 31) European Parliament, Strasbourg

ITALY

- 32) dm, Venice
- 33) Dimar, Volvera



UNITED KINGDOM

- 34) UNIQLO, London
- 35) Microsoft, London
- 36) Jack Barclay Bentley, London
- 37) Jaguar, Watford
- 38) Specialized, Bristol

CROATIA

- 39) Airport Franjo Tudman, Zagreb

HUNGARY

- 40) adidas, Budapest

LITHUANIA

- 41) Apranga Group, Vilnius

BELARUS

- 42) Zara Home, Minsk

SWEDEN

- 43) Max Burgers, Umeå

FINLAND

- 44) Alko, Helsinki

SPAIN

- 45) Desigual, Barcelona

PORTUGAL

- 46) Google, Lisbon

RUSSIA

- 47) Gazprom, St. Petersburg
- 48) Delta Credit, St. Petersburg
- 49) Orange Business Group, Moscow
- 50) Moscow International House of Music, Moscow
- 51) ESCADA, Moscow

TURKEY

- 52) Apple Office, Istanbul
- 53) Vitra, Istanbul

EGYPT

- 54) City Centre Almaza, Cairo

AZERBAIJAN

- 55) Port Baku Bazar, Baku

KUWAIT

- 56) Sabah Al-Salem University City
- 57) Four Seasons
- 58) Kia

QATAR

- 59) Women's Hospital

UNITED ARAB EMIRATES

- 60) Dubai Mall, Dubai
- 61) Dubai Airports, Dubai
- 62) Ferrari, Abu Dhabi

CANADA

- 63) Marc Cain, Toronto

INDIA

- 64) Lamborghini, New Delhi
- 65) BMW MINI, New Delhi
- 66) SPS Museum, Srinagar

MALDIVES

- 67) Kuramathi Island Resort, Male

VIETNAM

- 68) National Assembly House, Hanoi

US

- 69) Audi, Dallas
- 70) Porsche, Santa Clarita

SOUTH AFRICA

- 71) Bloomberg, Cape Town

CHINA

- 72) Zara Home, Shenzhen

SINGAPORE

- 73) Amazon
- 74) Estée Lauder
- 75) JP Morgan

AUSTRALIA

- 76) National Rugby League, Sydney
- 77) Qantas, Sydney
- 78) ASICS, Sydney
- 79) Lion Beer Spirits & Wine, Sydney
- 80) Melbourne Airport, Melbourne
- 81) Zurich, Brisbane

NEW ZEALAND

- 82) Northlands Shopping Mall, Christchurch

📍 LTS, Tettngang



DESTINATION #1

LTS VISITING

**TAFELZIER, NUREMBERG,
GERMANY**



When you walk on cobblestones through the narrow lanes and pass old half-timbered houses, you feel like you are traveling through time. Historical buildings and living history. I can feel the sun on my skin and smell bratwurst, apple juice and roasted almonds. A small smile brightens my face when I listen to the passers-by talking to each other in their local dialect. They speak Franconian here, one of the very special dialects in Bavaria. Would you have known what “a weng weng” means in German? As of this moment, this phrase is one of my favourite Franconian words and means “a wee bit of a little”.

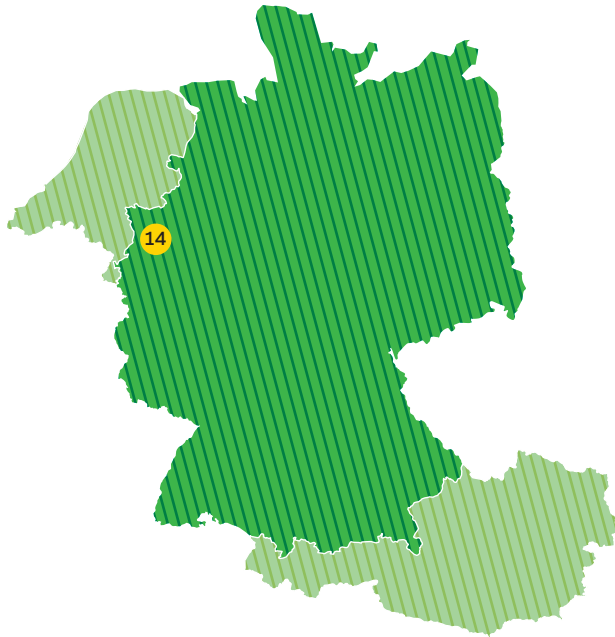
I am standing in the shop of one of the best in his field, the pâtissier Jens Bockerhof, and I am astonished. Who is supposed to eat all of this, for heaven's sake? Nothing is more valuable than good light, I am thinking, except for sweets presented in the right light. And there are plenty of them here. Petit fours and macarons, cakes and biscuits, chocolate and meringue. The sheer number of delicacies whets the appetite and leaves you wide-eyed.

CREAM OF THE CROP!

The countless calorie bombs are presented like pieces of jewellery in extensively illuminated display cases. Accentuated lighting and a touch of chocolate rest upon the bonbons that are elegantly enthroned on pedestals. Having worked successfully with the trade, LTS can rely on its experience and offer the right special light colours for confectionary and pastry. LED light in neutral shades ensures a high-quality reproduction of the colours of the cream cakes.

The spotlights of the Jett series shine subtly from the darkness of the ceiling. They do not emit direct heat to make sure that the sweet pieces of art behind the counter always remain appetizing. At Tafelzier, the sophisticated lighting concept is perfectly adapted to the delicious products. Mounted on contact tracks, the light can be varied as desired and depending on the season. I feel a sense of happiness inside of me, but it might also be the craving for something sweet.

DESTINATION #2



LTS VISITING **JAGUAR LAND ROVER CLASSIC CARS, ESSEN, GERMANY**

The 6-cylinder roadster purrs softly when I put my foot on the accelerator. I am driving through the Ruhr region, the southern part of Essen, in a light blue, sporty two-seater with a convertible top and a long bonnet. I like it here, at the Margarethenhöhe, a listed neighbourhood from the 1930s. The charming district is as old as the car which I was allowed to test drive. And the car looks as beautiful today, 50 years after its first registration, as it did back then and that is thanks to the car dealer:

The Jaguar Land Rover Classic Centre on the Ringstraße in Essen-Kettwig. In an area of 4,500 square metres, the most elaborate factory restorations are performed and the most beautiful cars are offered for sale.

A SPORTS CAR SHOULD LOOK FAST, EVEN WHEN IT'S STANDING STILL!

The exhibited classic cars have their own history. Besides the sentimental value, they cost between 40,000 and 600,000 euros. I am looking through a glass wall in the showroom at five operating platforms in the workshop. Vehicle mechanics are busy inspecting, repairing and assessing cars. LUZ track-mounted luminaires overhead illuminate the space and provide for a glare-free working environment.

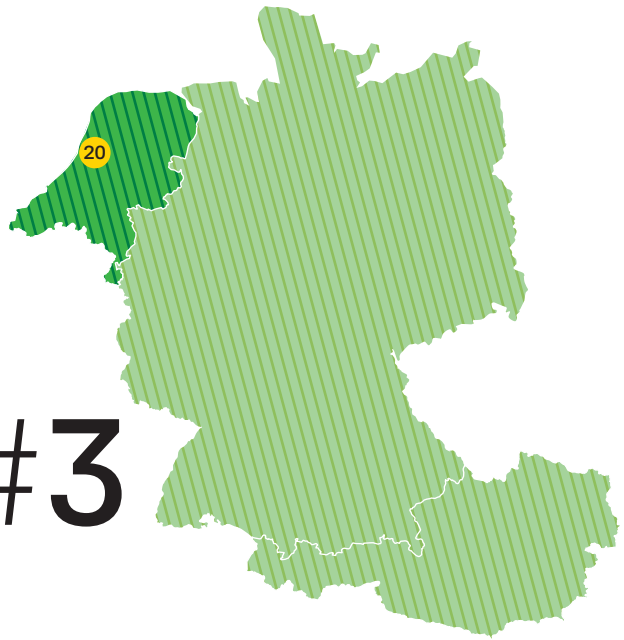
Given that a longer-length lighting solution was needed in the extensive showroom, the architects opted for the StraitLine light line. It delivers uninterrupted light at a length of 19 metres. The linear character is continued in the floating ceiling panels where the Lichtkanal is installed flush with the ceiling. What also impresses me is the enormous ceiling height which makes the showroom look even more spacious. Lighting solutions have been installed at a height of five metres. Nevertheless, the brilliant light is second to none as it makes the staff members feel comfortable and the exhibited products are optimally illuminated.

Spotlights for StraitLine provide accentuated lighting and present the details of the classic cars in a particularly attractive manner. The high colour reproduction of the luminaires makes it clear to me that these vehicles shine both under the bonnet thanks to their sophisticated technology and on the outside with their high-end paintwork. As a result, I find it even harder to return the key of the sports car and to leave North Rhine-Westphalia.





DESTI- NATION #3



LTS VISITING

WOLFORD, AMSTERDAM, THE NETHERLANDS

On the screen in the store I can see the frenzy of flashing cameras at a party in Hollywood. Stars and starlets are walking down the red carpet, photographers and fans are screaming in excitement. Madonna wears them and Beyoncé has her picture taken in them: the tights by Wolford. They are the favourite of celebrities and delight customers worldwide with their excellent manufacturing quality.

The tights are produced in Bregenz on Lake Constance, where Reinhold Wolff and Walter Palmers founded a company for artificial and pure silk stockings. When the founders travelled to Oxford they were inspired and the name of the company was born: Wolford.

Today the brand logo is positioned prominently in the shop window of the new store in Amsterdam. It is located in the most elegant shopping street of the Dutch metropolis. The bright colours make me feel welcome: white in all shades, a cream-coloured travertine flooring and light wood tones.

BETWEEN GLAMOUR AND GLORY

The lighting is an integral element of the store concept and is in line with the Wolford brand DNA. It really highlights the delicacy and the elegance of the premium-quality Wolford collection. The Jamie spotlights cross the room horizontally on contact tracks and bathe the lingerie, stockings and accessories in a shining light. Precisely aligned, yet in the background, the modern luminaires deliberately provide accentuated lighting and draw my attention to the new season's key pieces.

While approximately 14,000 tights and 4,000 pairs of stockings are manufactured daily in production back home, I can observe how a customer is thoughtfully and calmly attended to in the flagship store. She is beaming and almost managing to outshine the customer service staff and the Jamie spotlight.





DESTINATION #4

LTS VISITING DIE WÄLDERIN, MELLAU, AUSTRIA

Snow-covered mountain tops and a clear blue sky. My view is just like an idyllic postcard picture. I am sitting in a gondola of the Mellau cable car to be transported down to the valley after a perfect day's hiking. Today's agenda brought a summit hike to the Kanisfluh. The Kanisfluh, the local mountain in Mellau, is one of the most distinctive mountains in the region and a landmark of the Bregenz Forest.

Now I am looking forward to a relaxing end to the day in the four-star Die Wälderin hotel directly opposite the cable car. In fact, it is one of the largest hotels in the Bregenz Forest area, but the warm welcome in the bright entrance allows me to immediately feel the cosy atmosphere of the family-owned business.



HIGHLIGHT IN THE MOUNTAINS

The LTS recessed spotlights of the CSA series provide a pleasant general illumination in the lobby. The space brings a combination of family traditions and modern Vorarlberg architecture. Bernd Frick, son of the senior director Herbert Frick, furnished the hotel with lots of wood, glass and natural materials. "For the most part, we relied on craftspeople from the region," Herbert Frick explains, "and on LTS for the light".

The CSA recessed spotlights also subtly accompany me on the way to my room. A small spotlight from the Flixx series welcomes me atop the door and allows me to easily enter my room. Finally it's time to take off my hiking boots and to get into my robe. The light-flooded room is additionally illuminated by the surface-mounted Button Mini downlight. Everything appears spacious and atmospheric – the ideal haven to relax.

Now I can unwind and rest my feet in the spa and wellness area. The alpine panorama is my constant companion through the large window façade. The Lichtkanal, which is recessed in the ceiling edges, provides for indirect light and a sense of intimacy and well-being.

I encounter the same lighting atmosphere at the hotel bar at the end of my day. The Lichtkanal visually separates the bar from the rest of the space. The lighting concept has been masterfully executed because here in the back, the atmosphere is casual and cosy. The light gently suffuses my ice-cold gin and tonic. A perfect day comes to an end.







DESTINATION #5



LTS VISITING

DOUGLAS, VIENNA, AUSTRIA

Cheerful passers-by swarm side by side in the Mariahilfer Straße, the main shopping zone of Vienna. Locals and tourists are walking at a smart pace to get coffee, attend a meeting or possibly to do some shopping.

I am frowning. I am thinking about what souvenir to bring back home. A Viennese Schnitzel or chocolatey Sacher cake would be difficult to transport. So I decide to visit Douglas, Europe's leading perfumery brand.

The glass façade and the seven-metre-high atrium in the entrance area make me marvel. It is fragrant, shiny and glittering. Beauty, I am thinking, is in the eye of the beholder, but now I know that you can actually buy beauty. In an area of 455 square metres, the retailer offers thousands of items, including fragrances, creams and cosmetics by Estée Lauder, Chanel and others.

BEAUTY REQUIRES LIGHT

Straight-lined furniture and elegantly curved design elements lend a luxurious look to the perfumery. Architect Volker Metz designed a new concept named "grey 024" for Douglas in Austria. It is derived from the RAL colour which is consistently implemented in the converted shop. For this reason, even the luminaires used were produced specifically in this colour shade so that they would subtly fit into the ambience. Their main task is to make the flacons, precious glass bottles and high-quality packaging sparkle. Spotlights on contact tracks with narrow beam angles provide a focused accentuated illumination, drawing the gaze to the very special personal care products.

And then I know exactly what to buy today. I purposefully make my way to the men's department. The lean track-mounted spotlights of the Torpedo series and compact spotlights of the Jett series bring extra illumination to the shelves. They create a lively play of light on the otherwise dark walls. Just a few SCS light systems on the ceiling are sufficient to provide a pleasant basic lighting from the sales room down to the ground floor.

There it is: a truly manly luxury beard grooming set. It contains a hand-crafted razor from Solingen, in which my three-day stubble is reflected. This kind of originality is essential, I am thinking while I start heading back home to Tett nang.



ENJOY THE SHOW

EXPERIENCE PRODUCTS LIVE IN THE SHOWROOM

4 m

CEILING HEIGHT IN
THE PRESENTATION
SPACES

> 1,000 m²
OF EXHIBITION SPACE



The exhibition space is a platform for those interested in light, for those who would like to practically try out our products and technologies. Once you hold the luminaires in your hands, feel the material and see the colour, choosing is easy. You can also test our lighting solutions in a mounted position and in a specific shop, hospitality or office application.

In a specifically created mock-up area, we can simulate any space situation taking into consideration the individual requirements. For comparison purposes, the mock-up area is illuminated with different light qualities. This provides a basis for decision-making to then select the best illumination solution.

Be our guest and visit us — also with your client for a consultation if you wish!

OPENED IN
2004



518

LIGHT SPOTS



LOCATION:
**WALDESCH 24,
TETTANG**

27,900
HOURS OF LIGHT

since the first day of the showroom,
since the first installed luminaire,
daily from 8 am to 5 pm,
200 days a year



CELEBRITY GUESTS

Nik Schweiger, interior designer, is the owner of Barefoot Design – and the brother of Til Schweiger, a famous German actor

Ulrike Brandt is an expert in the field of lighting design and owner of the eponymous offices located in Hamburg

Anne Haug is a professional triathlete, Olympic athlete and qualified sports scientist

20

EVENTS PER YEAR,

including the LTS Lichtforum,
internal events, staff training
and press events

Would you like a personal
appointment?

+49 7542 9307-0



KNOWLEDGE BRINGS EXPERTISE

Optimum light is a complex subject and, time and again, it is a topic of conversation due to new developments and trends. At the LTS Lichtforum, participants gain valuable knowledge about everything relating to lighting – an essential aspect of being able to offer expert advice and a great help in daily work. All knowledge-based seminars are adapted to the level of knowledge and interests of the participants. The events take place at the company location in Tett nang and other locations all over Germany.



Maren Breitenberger
Dipl.-Ing. Interior Architecture,
MSC Architectural Lighting Design

Since 2016
Manager of the LTS Lichtforum

Since 2015
Visiting lecturer and workshop
instructor at various universities

Maren Breitenberger has worked for LTS since 2011. The qualified interior designer and lighting designer is the face of the LTS Lichtforum. The lighting expert explains in an interview what is so special about the seminar series.

Who is the LTS Lichtforum intended for?

It is aimed at anyone who would like to develop their skills in the field of light and illumination. It is of particularly special interest for design professions because we always discuss the state-of-the-art of science and technology.

Which subjects are covered at the LTS Lichtforum?

The subjects are wide-ranging, starting with the basics ("What does lux and lumen mean?"), moving on to the history of lighting, all the way through to discussing directives and standards – the seminar covers hard facts. We also talk about different light qualities and the perceived effect of light on humans, a space and the atmosphere. Of course, we are also happy to address individually requested topics.

Why are these seminars offered?

As a medium-sized company producing in Germany, if we want to continue to grow in the lighting market we have to offer more than what you can purchase online at affordable prices. First of all, only trained specialists are capable of differentiating between poor-quality and high-quality light. Secondly, as a reliable partner, we would like to create solutions alongside our clients that are as clear and simple as possible. Long-term collaboration will only be possible in a partnership that is based on trust and skill.

When and where do the training sessions take place?

There are some events with fixed dates taking place all over Germany, and anybody can register for these. In parallel, we offer individual events, usually here in Tett nang, including a workshop visit and covering subjects that the client asks for.

What question do participants ask most often?

What about LEDs and blue light? How harmful is it to us humans really?

And?

Anyone who is interested in hearing the answer to this and other questions is warmly invited to join one of the seminars at the LTS Lichtforum.

What feedback do you remember most?

If we get feedback, it is usually very positive. I remember a very kind comment one participant made after a training session: "I thought I knew about light. But after today's event, I know that there is still more to learn."



Elektro Fix
Uwe Kotzelnick

Potsdamer Straße 2
19063 Schwerin
+49 385 300087-0
www.elektro-fix.de

**WOULD YOU LIKE
TO REGISTER FOR
THE LTS LICHTFORUM?**

+49 7542 9307-0
lichtforum@lts-light.com

[www.lts-light.com/
lichtforum-en](http://www.lts-light.com/lichtforum-en)

GOOD TO KNOW ...

The presentations with a workshop aspect are recognized as further training by the Chamber of Architects in several federal states of Germany.

Uwe Kotzelnick is a master electrician and owner of a medium-sized company in Schwerin with ten staff members. He participated in the LTS Lichtforum in May 2019. In a conversation, he describes his positive experience.

How did you learn about the LTS Lichtforum?

Through my personal contact at LTS. We are always looking for further training possibilities so the LTS Lichtforum in Tettnang was a great opportunity.

Why did you participate in the LTS Lichtforum?

We weren't just excited about the aspect of further training, but also about the direct contact with the producer, with the industry. At a trade show it is not possible to get to know a company and its product so well and to such an intensive extent as we did on site in a personal conversation.

What did you like the most?

I was amazed by the size of the newly designed showroom. Everything about the showroom points towards the future. The LTS light expert, Maren Breitenberger, didn't just speak about challenges but also demonstrated solutions, particularly for custom-fit lighting. The technical details were explained and the relevant control technologies were presented. Her talk covered both market innovations and exciting developments in the area of LEDs. The quality of light was also discussed. And the LTS Lichtforum was rounded off with a current market analysis and a concluding outlook.

Which details do you still remember?

Everyone perceives the colours of light differently. We experienced how you can influence the bio-rhythm and the productivity of humans with light. This relates to lighting control.

My employees and I deal with light on a daily basis so the presented solutions using high-quality light offer added value to me in my client consulting work, and more importantly, to my clients themselves. My clients' objective is to improve their sales figures in retail by having good-quality light. In the end, quality pays off.

How can you make use of the input you gained from the LTS Lichtforum for your clients?

My goal is to create client loyalty through professional advice and high-quality products. With clients who opt for quality, expertise and service, I know that the initial investment can be high, but, at the end of the day, the client is rewarded by the perfect lighting solution and an increase in sales.

Who are your clients?

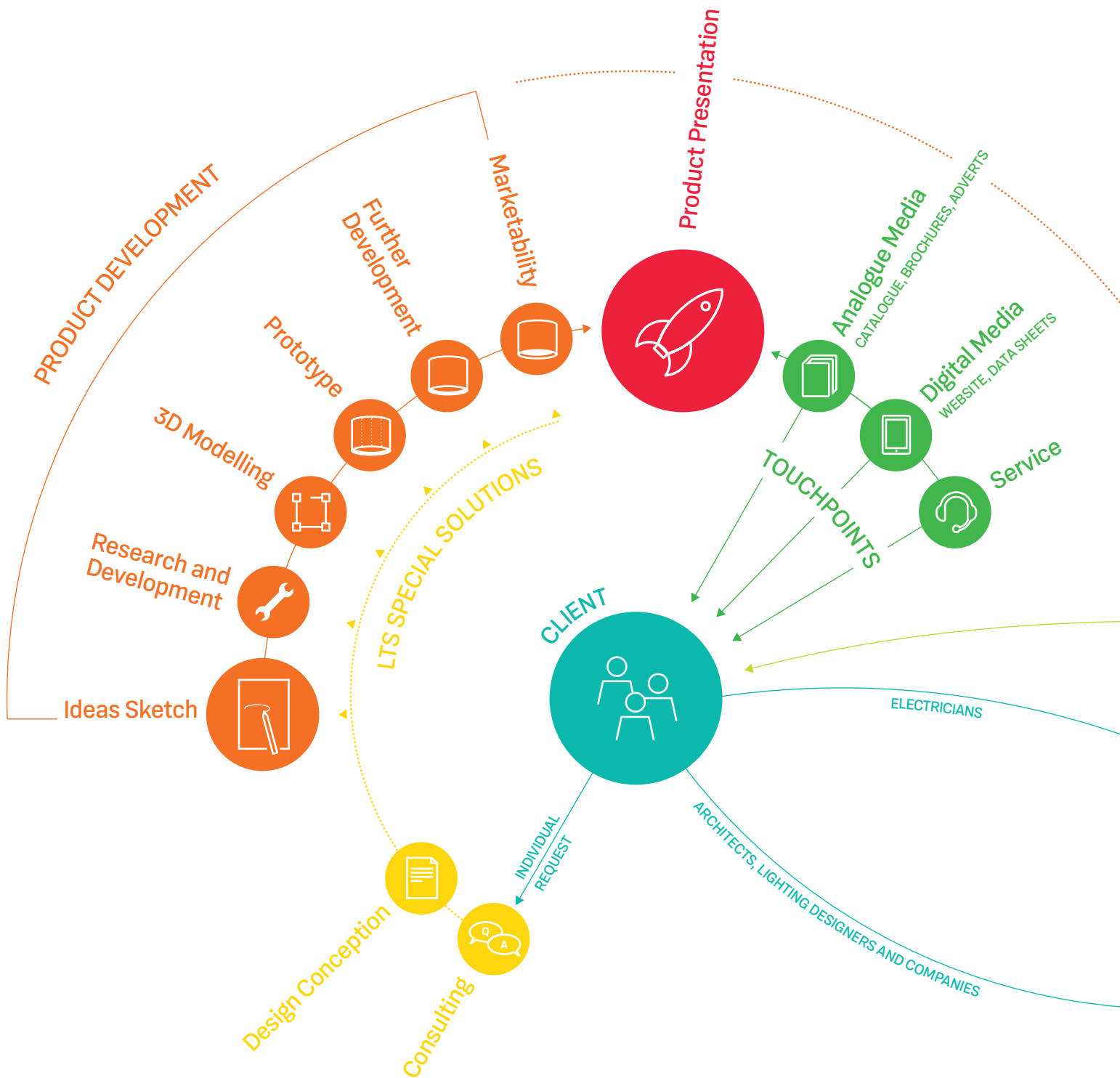
Retail clients in the clothing and cosmetics industry. It is important to help your client to see that good light boosts sales.

Would you recommend the LTS Lichtforum to your colleagues?

Yes, absolutely — because further training is essential in our fast-moving age. It is the only way to get ahead of the game and keep your competitive edge. Products are always outpacing each other in terms of their development, and only those of us who stay on the ball will survive in the market.

Would you visit the LTS Lichtforum again?

Yes, of course! I'd love to learn about another subject, for example office lighting. I think the future will hold many changes in that area. LTS has already taken a step into the future with their ceiling luminaire Optico and their free-standing luminaire range. We would like to help our clients to take this leap as well, and this is only possible with expert knowledge and experienced consulting.



HOW WE WORK

THE LTS PRODUCT CYCLE
FROM THE IDEA TO DELIVERY

The client takes centre stage

Our sales representatives or expert in-house service team represent the interface between our clients and the LTS products. We provide holistic lighting solutions in accordance with our high-quality standard products. Of course, you can purchase these directly from LTS or via our partners in the electrical wholesale trade.

Up-to-date information across all networks

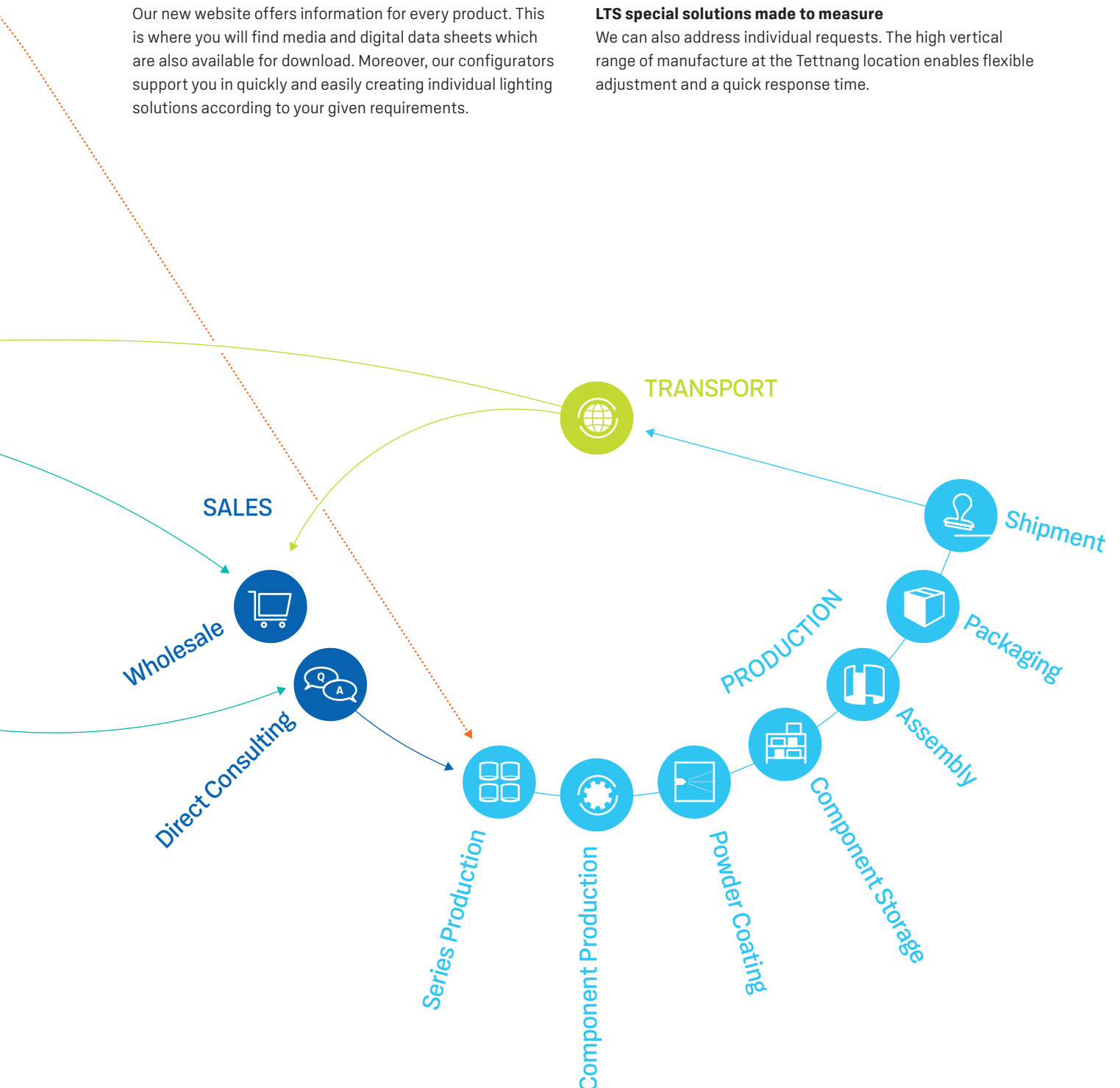
Our new website offers information for every product. This is where you will find media and digital data sheets which are also available for download. Moreover, our configurators support you in quickly and easily creating individual lighting solutions according to your given requirements.

All products are "Made in Germany"

From the idea, to first sketches, all the way through to a marketable standard product, the entire product development takes place in-house at LTS. Numerous utility model specifications and patents document the success of our research and development. High-tech machinery ensures independence in production, while all the process steps in assembly are carried out manually.

LTS special solutions made to measure

We can also address individual requests. The high vertical range of manufacture at the Tettwang location enables flexible adjustment and a quick response time.



CURTAIN UP FOR OUR PRODUCTS



LTS
LOVE TO SHINE

Product Range

Track-Mounted Spotlights

Bixx 100 38	BixxL 200 40	EuroLED 42	Jamie 200 44	Jamie 300 46
				
Jett 100 48	Scout Next 50	Torpedo 200 52	Torpedo 300 54	
				

Recessed Spotlights

CSA 40 58	CSA 50 60	CSA 60 62	CSA 72 Round 64	Dallton XSmall 66
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Dallton Small 68	Dallton Medium 70	Dallton Large 72	Scene 1 System 76	Scene 33 System 78
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Scene 4 80	Vale-Tu Round Small/Medium 82	Vale-Tu Round XSmall 84	Vale-Tu Square Small/Medium 86	Vale-Tu Square XSmall 88
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Vario Classic 90



Product Range

Surface-Mounted Downlights

Button 300
94



Button Mini 100/200
96



Recessed Downlights

Flixx 100/200 Round
100



Flixx 100/200 Square
102



Flixx 300 Flat Round
104



Flixx 300/400 Round
106



Flixx 300/400 Square
108



Flixx 320 Round
Wallwasher
110



Torpedo 250
112



Torpedo 350
114



Vale-Tu Flat
116



Lighting Systems

StraitLine 60
120



StraitLine 60 Spot
122



Ceiling & Pendant Luminaires

**Lunata Direct-Indirect
with Light Effect Ring**
126



**Lunata Direct
without Light Effect Ring**
128



**LUZ
Surface-Mounted**
130



**LUZ
Recessed Standard**
132



**LUZ
Pendant**
134



**LUZ
Track-Mounted**
136



**LUZ
Track-Mounted Pendant**
138



**Monoline 070
Surface-Mounted &
Pendant**
140



**Piano
Pendant**
144



**PL 20
Surface-Mounted &
Pendant**
146



**PL 22
Surface-Mounted &
Pendant**
148



**PL 25
Recessed Trimless**
150



**PL 26 Direct-Indirect
Surface-Mounted**
152



**PL 27
Recessed**
154



**PL 28 Direct-Indirect
Pendant**
156



**PL 50
Surface-Mounted &
Pendant**
158



**PL 52
Surface-Mounted &
Pendant**
160



**PL 55
Recessed Trimless**
162



**PL 57
Recessed**
164



**Trentino II
Ceiling**
166



Product Range

Ceiling & Pendant Luminaires

Trentino II
Pendant
168



Free-Standing Luminaires

Ascona
172



Piano Stand
174



Trentino II Stand
176



Wall Luminaires

LUZ Wall
180



PL 23 Wall
182



Insert Luminaires

Fyrre	Optico
186	188



High-Bay Luminaires

FLC
192



Contact Tracks & Accessoires

ONETrack Surface-Mounted	ONETrack Recessed
198	200





TRACK- MOUNTED SPOTLIGHTS

www.lts-light.com/track-mounted-spotlights

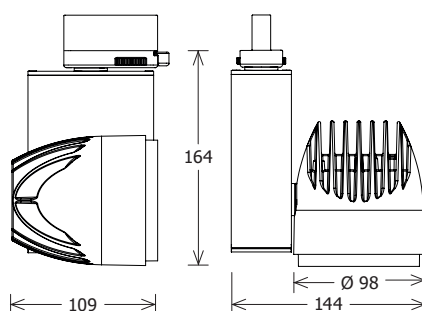


Bixx 100



Note

Also available as high-power spotlight BixxL 200 (page 40)



Standard options



Special options





Jacques' Wein-Depot, Aachen, GER · Planning: D.S.D.5 Planungsgesellschaft · Photo: Max Schulz

Range selection



Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	EEC
BIXX 102.30.15.2	15°	3000	27	2710	A+
BIXX 102.30.25.2	25°	3000	27	2700	A+
BIXX 102.30.35.2	35°	3000	27	2680	A+
BIXX 102.30.50.2	50°	3000	27	2620	A+
BIXX 103.30.15.2	15°	3000	35	3220	A+
BIXX 103.30.25.2	25°	3000	35	3200	A+
BIXX 103.30.35.2	35°	3000	35	3180	A+
BIXX 103.30.50.2	50°	3000	35	3120	A+

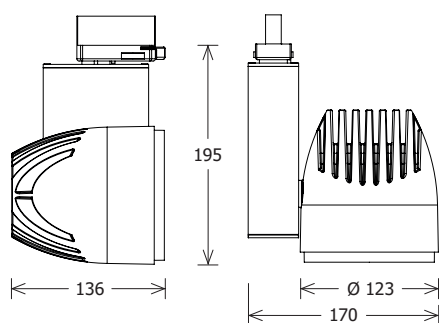
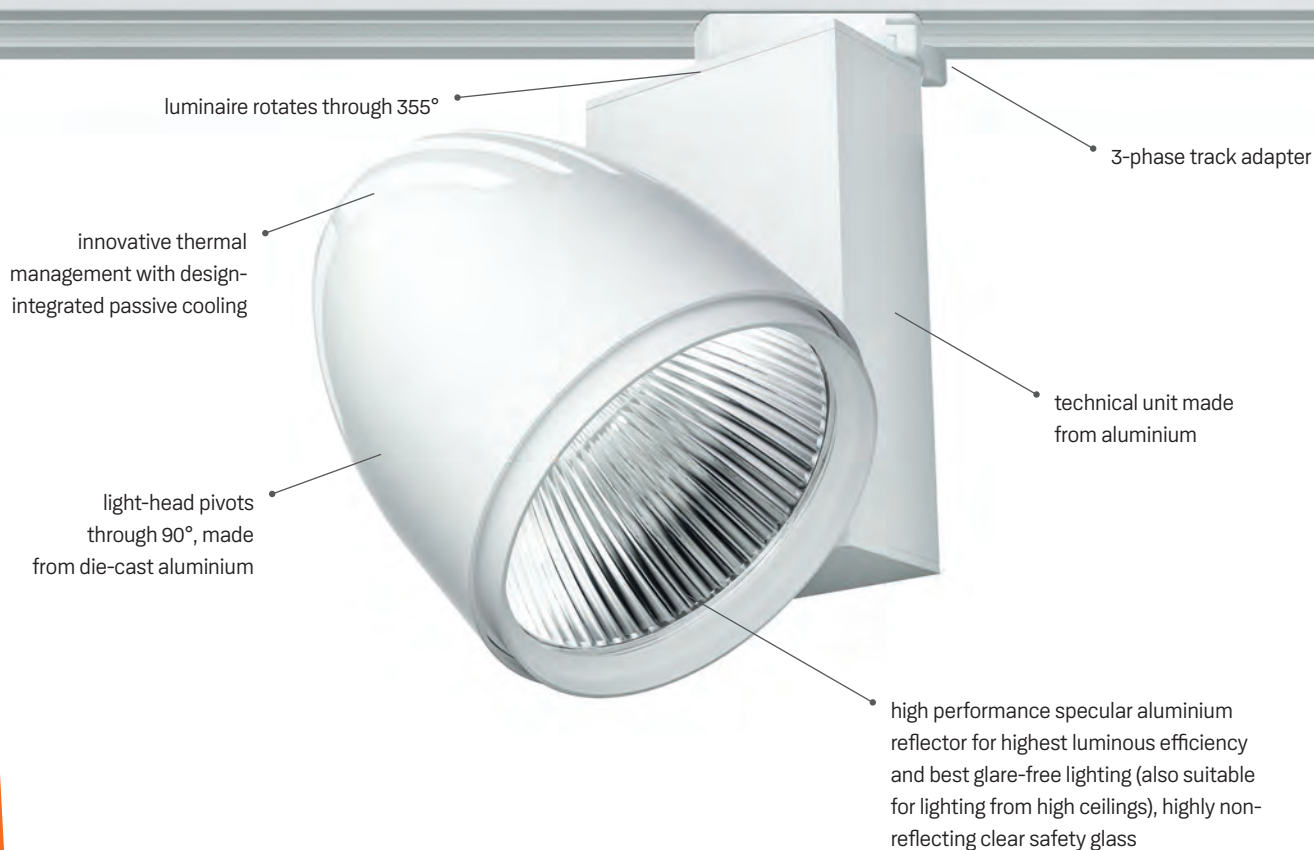
Accessories

Article name	Description
FOCUS 100.1	superior optic with focusable biconvex lens for accent lighting
ZBK 96	anti-glare flaps
ZBW83	honeycomb louvre



Further product informations you will find under www.lts-light.eu/2311

BixxL 200



Standard options



Special options





Porsche Zentrum, Paderborn, GER · Photo: Henning Stauch Photography

Range selection



Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	EEC
BIXXL 205.30.15.2	15°	3000	51	5200	A++
BIXXL 205.30.25.2	25°	3000	51	5180	A++
BIXXL 205.30.40.2	40°	3000	51	5060	A+
BIXXL 205.30.60.2	60°	3000	51	5240	A++
BIXXL 206.30.15.2	15°	3000	59	5830	A+
BIXXL 206.30.25.2	25°	3000	59	5810	A+
BIXXL 206.30.40.2	40°	3000	59	5680	A+
BIXXL 206.30.60.2	60°	3000	59	5870	A+
BIXXL 207.30.15.2	15°	3000	68	6940	A++
BIXXL 207.30.25.2	25°	3000	68	6920	A++
BIXXL 207.30.40.2	40°	3000	68	6790	A+
BIXXL 207.30.60.2	60°	3000	68	6980	A++

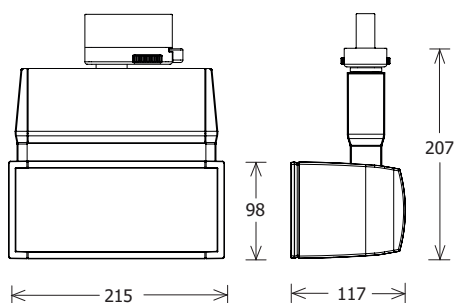
Accessories

Article name	Description
ZBK 98	anti-glare flaps
ZBW 84	honeycomb louvre



Further product informations you will find under www.lts-light.eu/2318

EuroLED



Standard options



Special options





RaumW Einrichten, Kirchzarten, GER · Planning: RaumW · Photo: Enrique Salcedo Puerto

Range selection



Article name	Fixing	CCT [K]	System power [W]	Luminous flux [lm]	Weight [kg]	EEC
EL 303.30.2	track-mounted	3000	34	4220	2.12	A++
EL 304.30.2	track-mounted	3000	50	6280	2.12	A++
EL 307.30.2	track-mounted	3000	59	7420	2.02	A++
EL 303.30.4	surface-mounted	3000	34	4220	2.44	A++
EL 304.30.4	surface-mounted	3000	50	6280	2.44	A++
EL 303.30.5	tube-mounted (Ø 50 mm)	3000	34	4220	2.56	A++
EL 304.30.5	tube-mounted (Ø 50 mm)	3000	50	6280	2.56	A++
EL 307.30.5	tube-mounted (Ø 50 mm)	3000	59	7420	2.42	A++

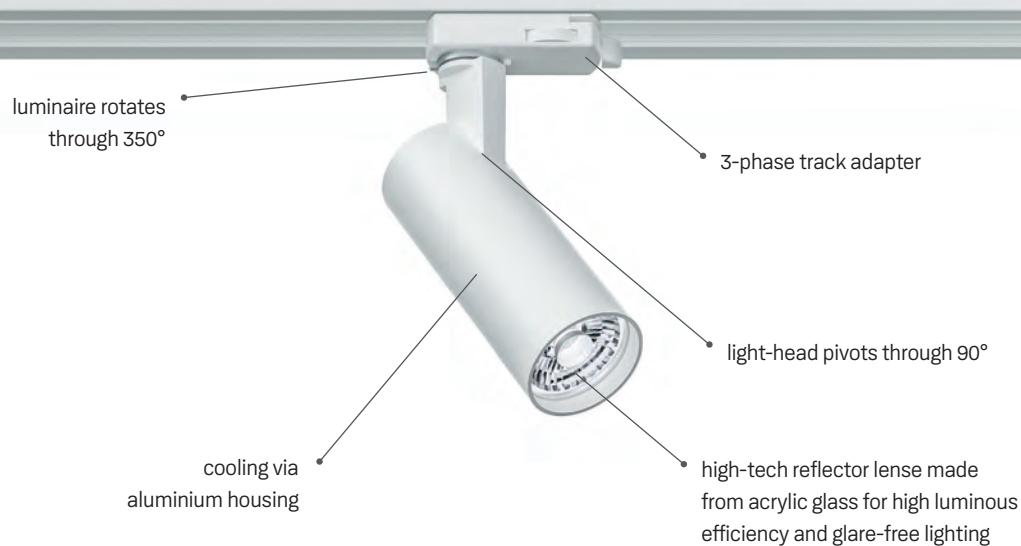
Accessories

Article name	Description
ZBK 97	anti-glare flaps

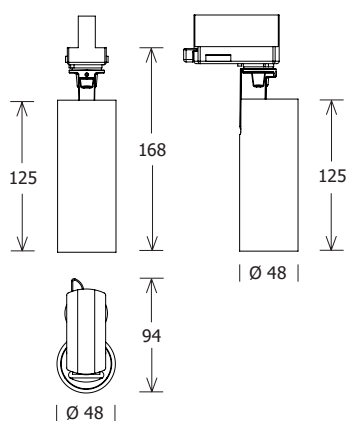
Further product informations you will find under www.lts-light.eu/2322



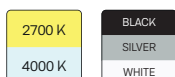
Jamie 200



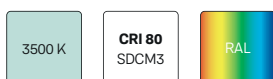
Note
Also available as larger
version Jamie 300 (page 46).



Standard options



Special options





Weltladen, Ravensburg, GER · Photo: Jean-Marc Delettre — Photography

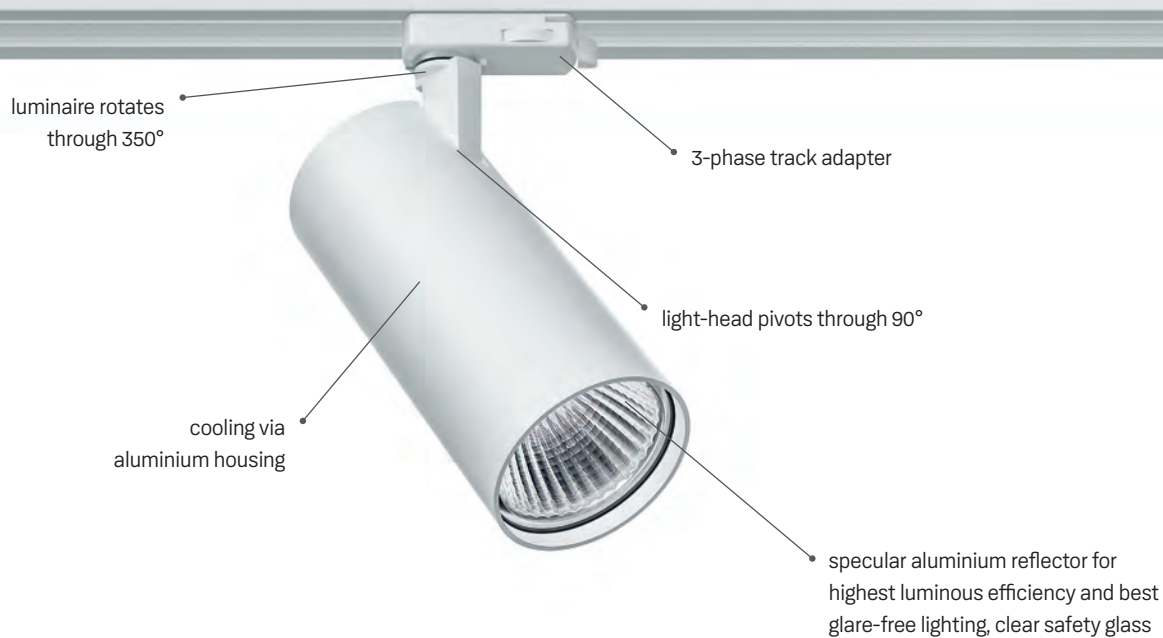
Range selection



Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	EEC
JAMIE 201.930.25.2	25°	3000	12	930	A+
JAMIE 201.930.40.2	40°	3000	12	980	A+
JAMIE 201.930.55.2	55°	3000	12	680	A

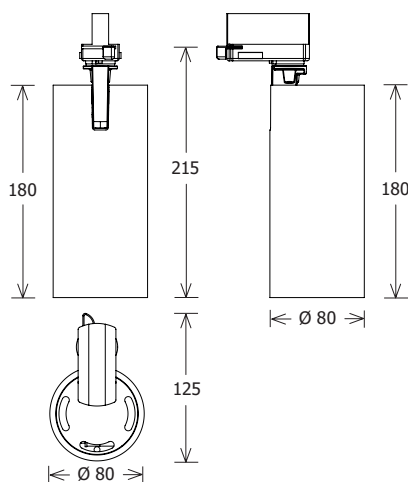
Further product informations you will find under www.lts-light.eu/2365

Jamie 300



Note

Also available as smaller version Jamie 200 (page 44).



Standard options



Special options





Wolford, Amsterdam, NL · Photo: Maarten Willemstein Photography

Range selection



Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	EEC
JAMIE 301.930.15.2	15°	3000	16	1380	A+
JAMIE 301.930.25.2	25°	3000	16	1390	A+
JAMIE 301.930.35.2	35°	3000	16	1340	A+
JAMIE 301.930.45.2	45°	3000	16	1300	A+
JAMIE 302.930.15.2	15°	3000	26	2360	A+
JAMIE 302.930.25.2	25°	3000	26	2390	A+
JAMIE 302.930.35.2	35°	3000	26	2330	A+
JAMIE 302.930.45.2	45°	3000	26	2200	A+

Accessories

Article name	Description
ZBW 85	honeycomb louvre

Further product informations you will find under www.its-light.eu/2366

Jett 100

luminaire rotates through 355°

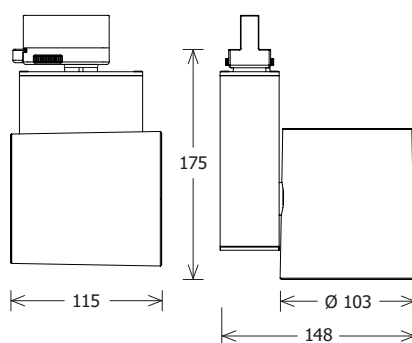
3-phase track adapter

innovative thermal management with design-integrated passive cooling

technical unit made from aluminium

light-head pivots through 180°

high performance specular aluminium reflector for highest luminous efficiency and best glare-free lighting, highly non-reflecting clear safety glass



Standard options



Special options





Tafelzier, Nuremberg, GER · Planning: toc. designstudio · Photo: toc. designstudio

Range selection



Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	EEC
JETT 102.30.25.2	25°	3000	20	2420	A++
JETT 102.30.35.2	35°	3000	20	2330	A++
JETT 102.30.50.2	50°	3000	20	2180	A++
JETT 103.30.25.2	25°	3000	30	3290	A++
JETT 103.30.35.2	35°	3000	30	3220	A++
JETT 103.30.50.2	50°	3000	30	2990	A+
JETT 104.30.25.2	25°	3000	40	4620	A++
JETT 104.30.35.2	35°	3000	40	4480	A++
JETT 104.30.50.2	50°	3000	40	4190	A++
JETT 105.30.25.2	25°	3000	50	5530	A++
JETT 105.30.35.2	35°	3000	50	5470	A++
JETT 105.30.50.2	50°	3000	50	5020	A+

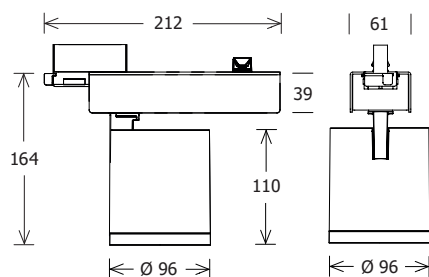
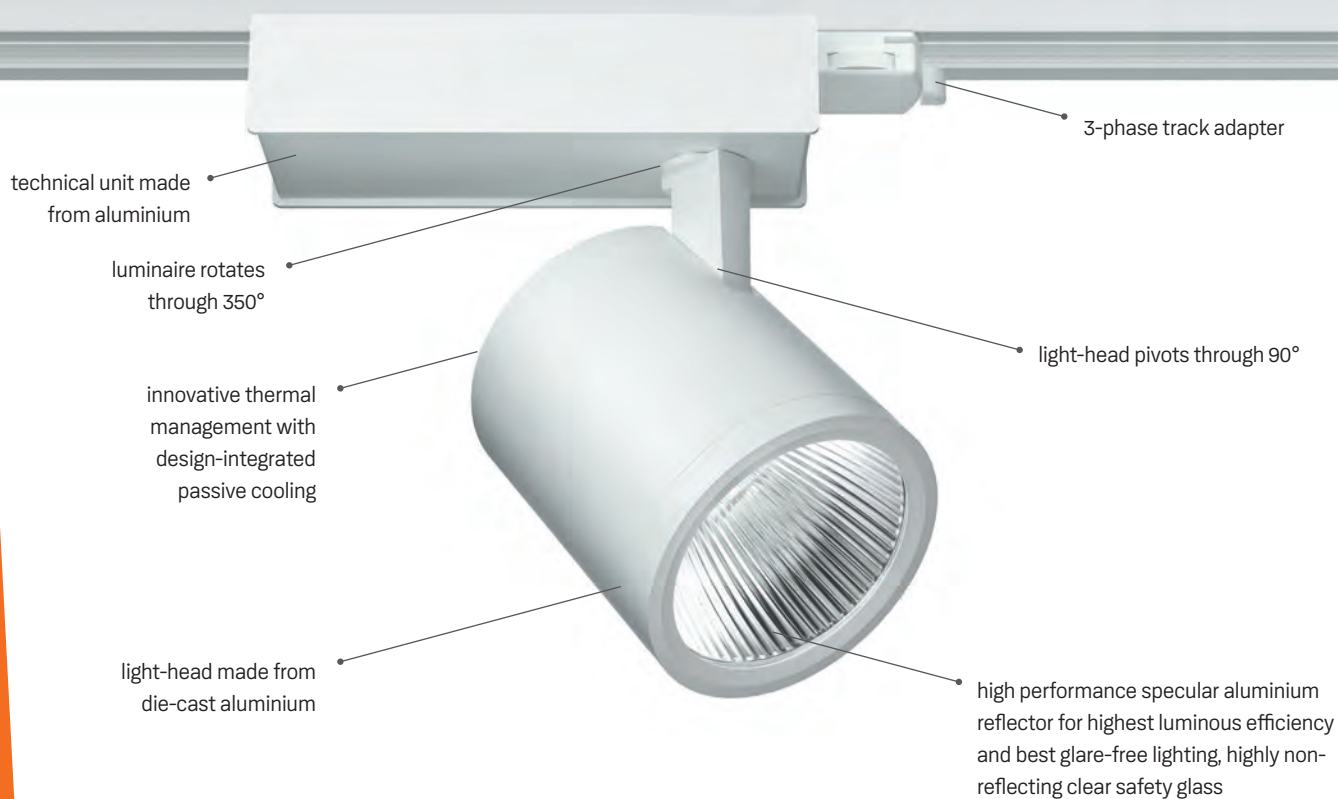
Accessories

Article name	Description
FOCUS 100.1	superior optic with focusable biconvex lens for accent lighting
ZBK 96	anti-glare flaps
ZBW 83	honeycomb louvre



Further product informations you will find under www.lts-light.eu/2319

Scout Next



Standard options



Special options





Bauermarkt, Ravensburg, GER · Photo: Jean-Marc Delettre – Photography

Range selection



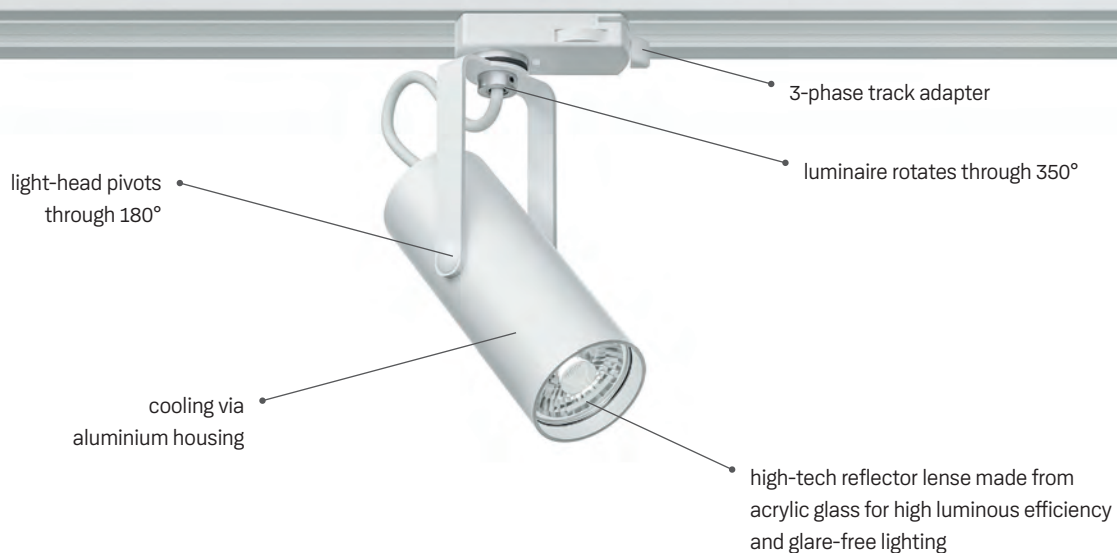
Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	EEC
SCOUT 202.930.25.2	25°	3000	22	2410	A++
SCOUT 202.930.35.2	35°	3000	22	2320	A++
SCOUT 202.930.50.2	50°	3000	22	2310	A++
SCOUT 203.930.25.2	25°	3000	30	3380	A++
SCOUT 203.930.35.2	35°	3000	30	3270	A++
SCOUT 203.930.50.2	50°	3000	30	3240	A++
SCOUT 204.930.25.2	25°	3000	39	4310	A++
SCOUT 204.930.35.2	35°	3000	39	4190	A++
SCOUT 204.930.50.2	50°	3000	39	4140	A++
SCOUT 205.930.25.2	25°	3000	48	5190	A++
SCOUT 205.930.35.2	35°	3000	48	5050	A++
SCOUT 205.930.50.2	50°	3000	48	4990	A++

Accessories

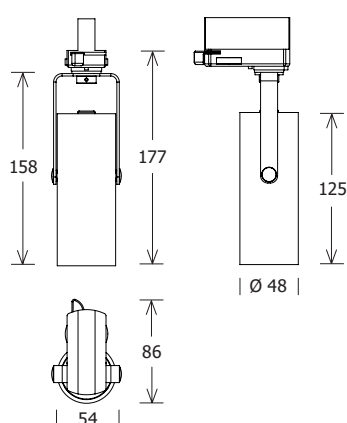
Article name	Description
FOCUS 100.1	superior optic with focusable biconvex lens for accent lighting (does not apply for SCOUT 205...)

Further product informations you will find under www.lts-light.eu/2367

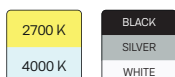
Torpedo 200



Note
Also available as larger
version Torpedo 300 (page 54).



Standard options



Special options





Douglas, Vienna, AUT · Planning: Volker Metz · Photo: KiTO.photography

Range selection

L80 B20
50 000 h

CRI 80
SDCM3

IP20

0.3

Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	EEC
TORL 201.830.25.2	25°	3000	12	1030	A+
TORL 201.830.40.2	40°	3000	12	1100	A+
TORL 201.830.55.2	55°	3000	12	760	A

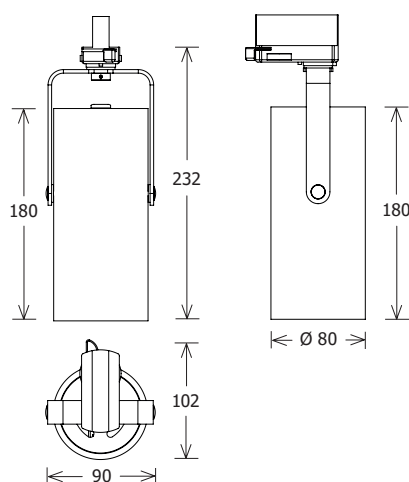
Further product informations you will find under www.lts-light.eu/2364

Torpedo 300



Note

**Also available as smaller version
Torpedo 200 (page 52).**



Standard options



Special options





Cucina Fabbrica, Wolfurt, AUT · Photo: Jean-Marc Delettre — Photography

Range selection

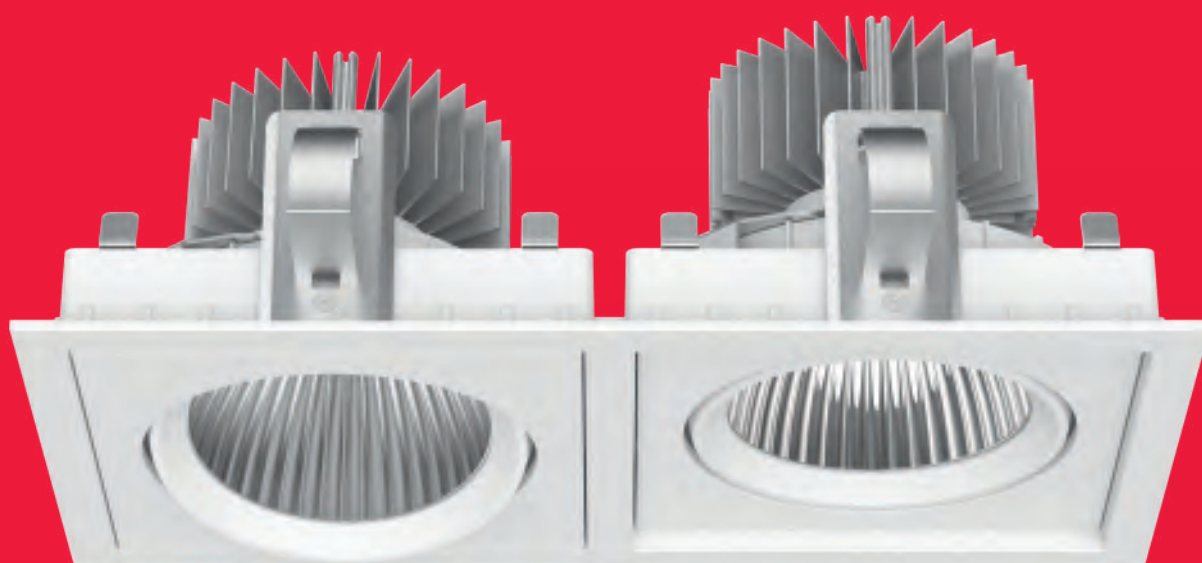


Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	EEC
TORL 301.830.15.2	15°	3000	13	1320	A++
TORL 301.830.25.2	25°	3000	13	1320	A++
TORL 301.830.35.2	35°	3000	13	1310	A+
TORL 301.830.45.2	45°	3000	13	1290	A+
TORL 302.830.15.2	15°	3000	26	2630	A++
TORL 302.830.25.2	25°	3000	26	2620	A+
TORL 302.830.35.2	35°	3000	26	2610	A+
TORL 302.830.45.2	45°	3000	26	2580	A+

Accessories

Article name	Description
ZBW 85	honeycomb louvre

Further product informations you will find under www.lts-light.eu/2363



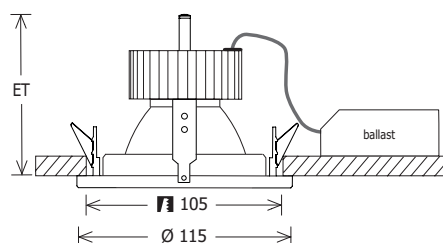
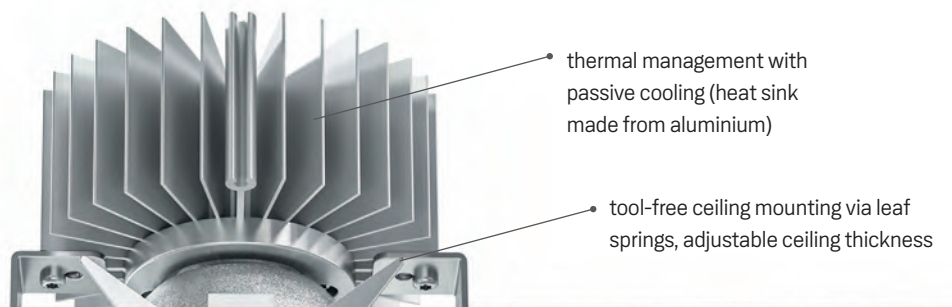
RECESSED SPOTLIGHTS

www.lts-light.com/recessed-spotlights



Wolford, Bregenz, AUT - Planning: Wolford - Photo: Jean-Marc Delettre - Photography

CSA 40



Standard options



Special options





UNIQLO, London, GB · Photo: HUFTON + CROW

Range selection

L80 B20
50 000 h

CRI 80
SDCM3



IP20



Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]	EEC
CSALP 40.1030.15	15°	3000	14	1430	105	Ø 105	3 - 25	0.56	A++
CSALP 40.1030.25	25°	3000	14	1420	105	Ø 105	3 - 25	0.56	A++
CSALP 40.1030.35	35°	3000	14	1410	105	Ø 105	3 - 25	0.56	A+
CSALP 40.1030.50	50°	3000	14	1390	105	Ø 105	3 - 25	0.56	A+
CSALP 40.2030.15	15°	3000	27	2740	105	Ø 105	3 - 25	0.70	A++
CSALP 40.2030.25	25°	3000	27	2730	105	Ø 105	3 - 25	0.70	A++
CSALP 40.2030.35	35°	3000	27	2710	105	Ø 105	3 - 25	0.70	A+
CSALP 40.2030.50	50°	3000	27	2650	105	Ø 105	3 - 25	0.70	A+
CSALP 40.3030.15	15°	3000	36	3640	122	Ø 105	3 - 25	0.72	A++
CSALP 40.3030.25	25°	3000	36	3620	122	Ø 105	3 - 25	0.72	A+
CSALP 40.3030.35	35°	3000	36	3600	122	Ø 105	3 - 25	0.72	A+
CSALP 40.3030.50	50°	3000	36	3530	122	Ø 105	3 - 25	0.72	A+

Further product informations you will find under www.lts-light.eu/2122

CSA 50

thermal management with
passive cooling (heat sink
made from aluminium)

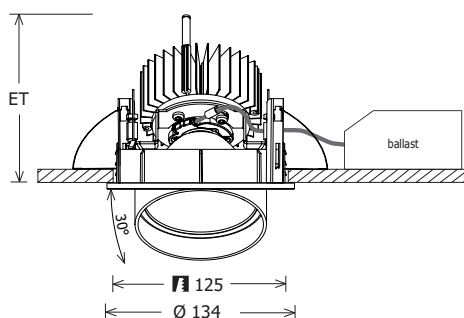
variable ceiling
thickness, tool-free
ceiling mounting via
quick-action clamping
springs

light-head and
mounting ring made
from die-cast zinc

luminaire rotates through 350°

light-head pivots out
through 35° (also suitable for
lighting of vertical surfaces)

specular aluminium reflector for high
luminous efficiency and glare-free
lighting, clear safety glass



Standard options



Special options





Modehaus Fischer, Singen, GER

Range selection



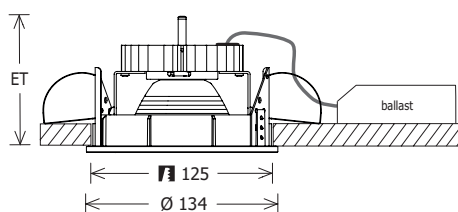
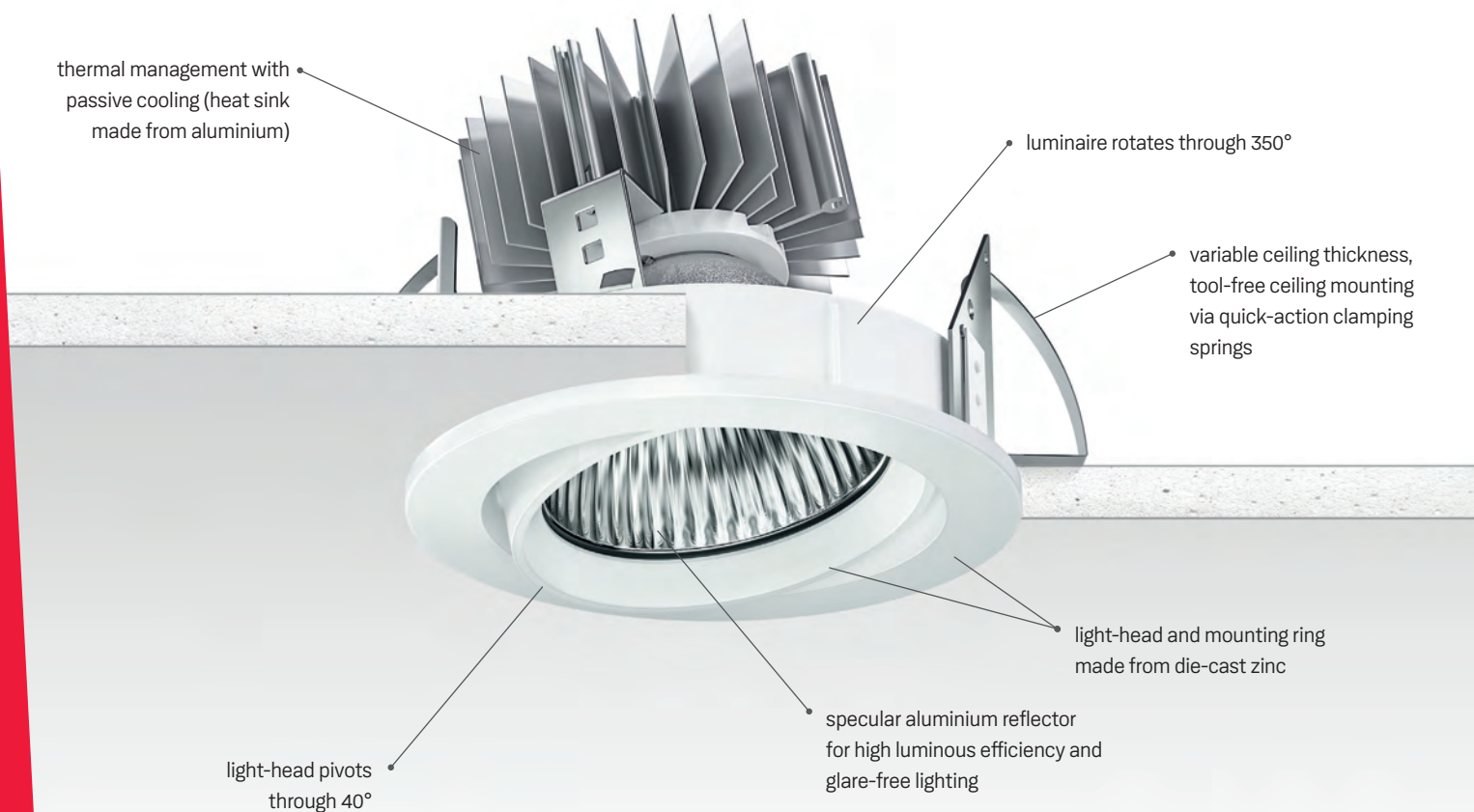
Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]	EEC
CSALP 50.1030.15	15°	3000	14	1410	139	Ø 125	1 - 25	1.20	A+
CSALP 50.1030.25	25°	3000	14	1400	139	Ø 125	1 - 25	1.20	A+
CSALP 50.1030.35	35°	3000	14	1390	139	Ø 125	1 - 25	1.20	A+
CSALP 50.1030.50	50°	3000	14	1370	139	Ø 125	1 - 25	1.20	A+
CSALP 50.2030.15	15°	3000	27	2710	139	Ø 125	1 - 25	1.24	A+
CSALP 50.2030.25	25°	3000	27	2700	139	Ø 125	1 - 25	1.24	A+
CSALP 50.2030.35	35°	3000	27	2680	139	Ø 125	1 - 25	1.24	A+
CSALP 50.2030.50	50°	3000	27	2620	139	Ø 125	1 - 25	1.24	A+
CSALP 50.3030.15	15°	3000	36	3600	139	Ø 125	1 - 25	1.24	A+
CSALP 50.3030.25	25°	3000	36	3580	139	Ø 125	1 - 25	1.24	A+
CSALP 50.3030.35	35°	3000	36	3560	139	Ø 125	1 - 25	1.24	A+
CSALP 50.3030.50	50°	3000	36	3490	139	Ø 125	1 - 25	1.24	A+

Accessories

Article name	Description
ZDAR 125.145-205	spacing ring for ceiling cut-outs from 145 to 205 mm

Further product informations you will find under www.lts-light.eu/2353

CSA 60



Standard options



Special options





Leonardo Royal Hotel, Ulm, GER · Planning: Neudahm Hotel Interior Design · Photo: Leuchtende Hotelfotografie

Range selection



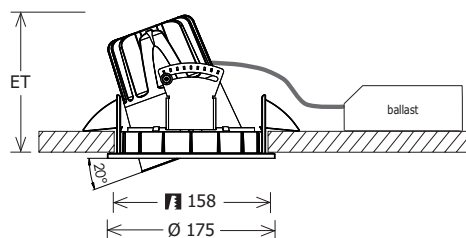
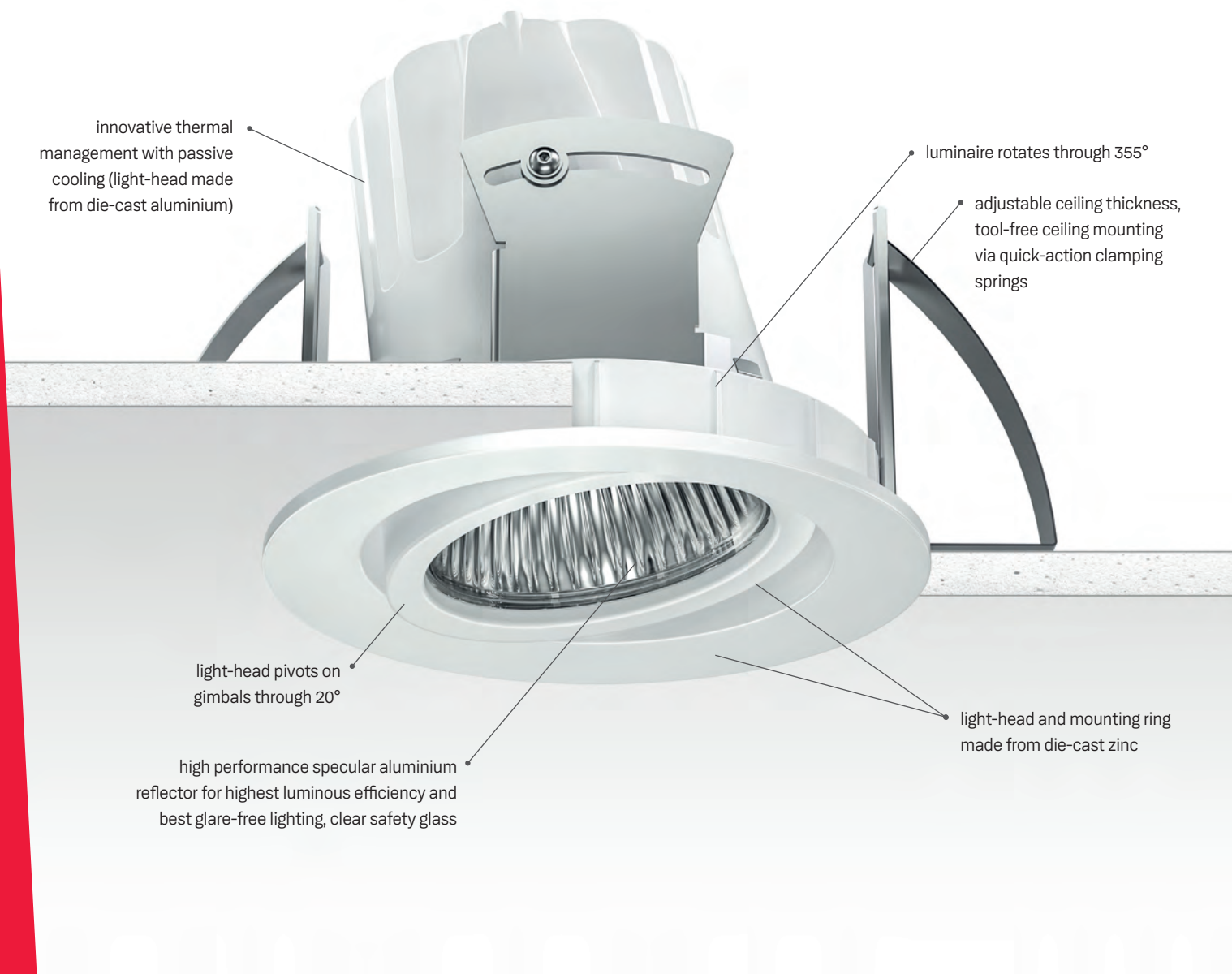
Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]	EEC
CSALP 60.1030.15	15°	3000	14	1430	100	Ø 125	1 - 25	0.88	A++
CSALP 60.1030.25	25°	3000	14	1420	100	Ø 125	1 - 25	0.88	A++
CSALP 60.1030.35	35°	3000	14	1410	100	Ø 125	1 - 25	0.88	A+
CSALP 60.1030.50	50°	3000	14	1390	100	Ø 125	1 - 25	0.88	A+
CSALP 60.2030.15	15°	3000	27	2740	110	Ø 125	1 - 25	1.06	A++
CSALP 60.2030.25	25°	3000	27	2730	110	Ø 125	1 - 25	1.06	A++
CSALP 60.2030.35	35°	3000	27	2710	110	Ø 125	1 - 25	1.06	A+
CSALP 60.2030.50	50°	3000	27	2650	110	Ø 125	1 - 25	1.06	A+
CSALP 60.3030.15	15°	3000	36	3640	130	Ø 125	1 - 25	1.04	A++
CSALP 60.3030.25	25°	3000	36	3620	130	Ø 125	1 - 25	1.04	A+
CSALP 60.3030.35	35°	3000	36	3600	130	Ø 125	1 - 25	1.04	A+
CSALP 60.3030.50	50°	3000	36	3530	130	Ø 125	1 - 25	1.04	A+

Accessories

Article name	Description
ZDAR 125.145-205	spacing ring for ceiling cut-outs from 145 to 205 mm

Further product informations you will find under www.lts-light.eu/2330

CSA 72 Round



Standard options



Special options





Maranello Motors, Cologne, GER · Planning: Ferrari Deutschland · Photo: Enrique Salcedo Puerto



Range selection

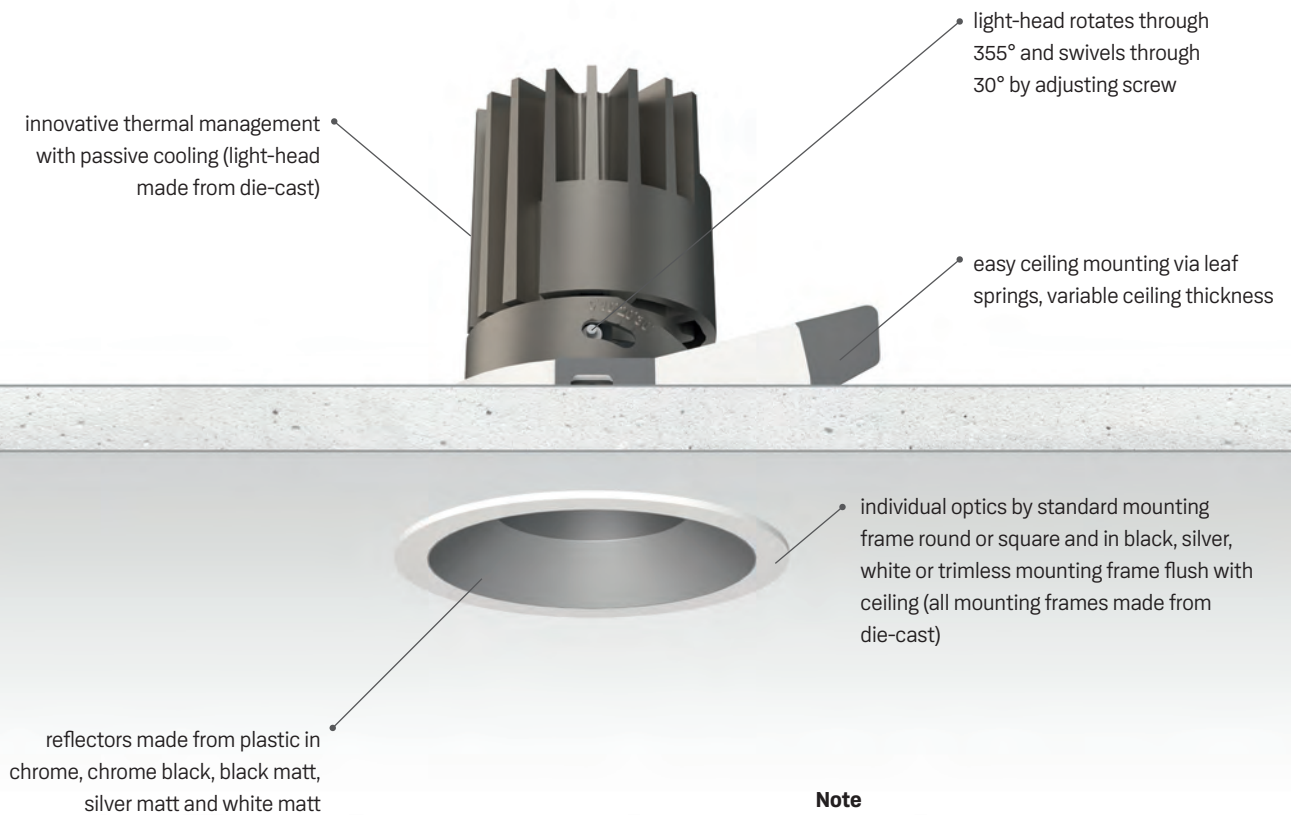
Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]	EEC
CSARL 72.2030.15	15°	3000	21	2420	145	Ø 158	1 - 25	2.44	A++
CSARL 72.2030.25	25°	3000	21	2390	145	Ø 158	1 - 25	2.44	A++
CSARL 72.2030.35	35°	3000	21	2360	145	Ø 158	1 - 25	2.44	A++
CSARL 72.2030.50	50°	3000	21	2330	145	Ø 158	1 - 25	2.44	A++
CSARL 72.3030.15	15°	3000	29	3230	145	Ø 158	1 - 25	2.35	A++
CSARL 72.3030.25	25°	3000	29	3200	145	Ø 158	1 - 25	2.35	A++
CSARL 72.3030.35	35°	3000	29	3170	145	Ø 158	1 - 25	2.35	A++
CSARL 72.3030.50	50°	3000	29	3140	145	Ø 158	1 - 25	2.35	A++
CSARL 72.4030.15	15°	3000	40	4360	145	Ø 158	1 - 25	2.40	A++
CSARL 72.4030.25	25°	3000	40	4330	145	Ø 158	1 - 25	2.40	A++
CSARL 72.4030.35	35°	3000	40	4300	145	Ø 158	1 - 25	2.40	A++
CSARL 72.4030.50	50°	3000	40	4270	145	Ø 158	1 - 25	2.40	A++
CSARL 72.5030.15	15°	3000	52	5490	145	Ø 158	1 - 25	2.34	A++
CSARL 72.5030.25	25°	3000	52	5460	145	Ø 158	1 - 25	2.34	A++
CSARL 72.5030.35	35°	3000	52	5430	145	Ø 158	1 - 25	2.34	A++
CSARL 72.5030.50	50°	3000	52	5400	145	Ø 158	1 - 25	2.34	A++

Accessories

Article name	Description
ZDAR 158.200-265	spacing ring for ceiling cut-outs from 200 to 265 mm

Further product informations you will find under www.lts-light.eu/2340

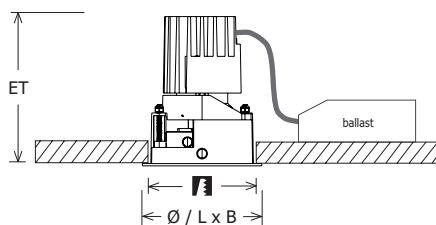
Dallton XSmall



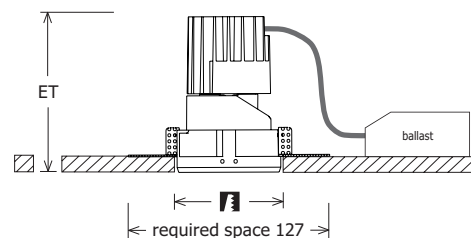
Note

Also available as larger versions Dallton Small (page 68), Medium (page 70) and Large (page 72). For simple planning use the Dallton Configurator on our website. Further informations on page 74.

Standard



Trimless



Standard options



Special options





Range selection



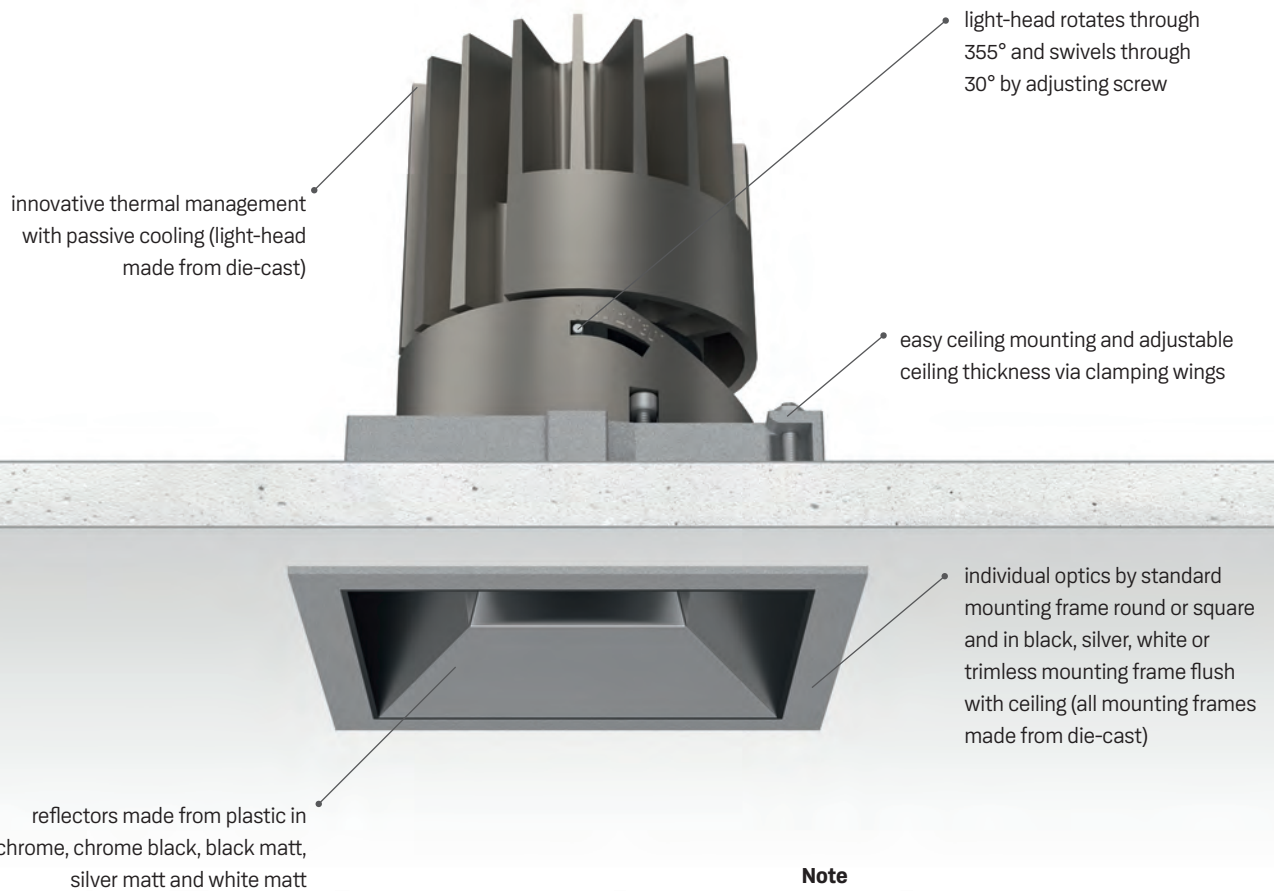
Article name	Feature	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	EEC
DAL-XS-LK 100.830.25	lens	25°	3000	11	720	105	A
DAL-XS-LK 100.830.40	lens	40°	3000	11	770	105	A+
DAL-XS-LK 100.830.55	reflector	55°	3000	11	630	105	A
DAL-XS-LK 101.830.25	lens	25°	3000	15	940	105	A
DAL-XS-LK 101.830.40	lens	40°	3000	15	1000	105	A
DAL-XS-LK 101.830.55	reflector	55°	3000	15	820	105	A

Accessories

Article name	Description	L x B [mm]	Ø [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]
DAL-XS-ESR 20	mounting frame Standard round (black, silver, white)		78	68	4 - 15	0.04
DAL-XS-ESQ 10	mounting frame Standard square (black, silver, white)	77 x 77		68 x 68	1 - 21	0.08
DAL-XS-ETR 20	mounting frame Trimless round (white)		67	69	12.5 -22.5	0.06
DAL-XS-ETQ 10	mounting frame Trimless square (white)	67 x 67		69 x 69	12.5 -22.5	0.08
DAL-XS-RFR 20	reflector flat round (chrome, chrome bk, bk matt, si matt, wh matt)		64			0.01
DAL-XS-RFQ 10	reflector flat square (chrome, chrome bk, bk matt, si matt, wh matt)	64 x 64				0.02
DAL-XS-ZBW 10.20	honeycomb louvre		36			0.01

Further product informations you will find under www.lts-light.eu/2371

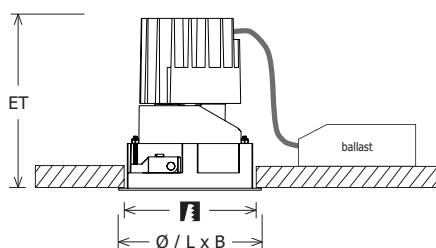
Dallton Small



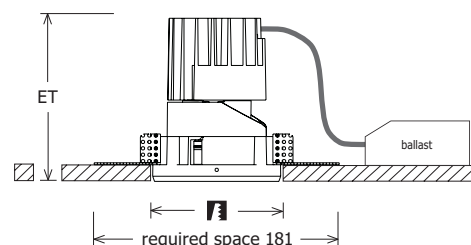
Note

Also available as smaller version **Dallton XSmall** (page 66) and larger versions **Dallton Medium** (page 70) and **Large** (page 72). For simple planning use the **Dallton Configurator** on our website. Further informations on page 74.

Standard



Trimless



Standard options



Special options





Range selection



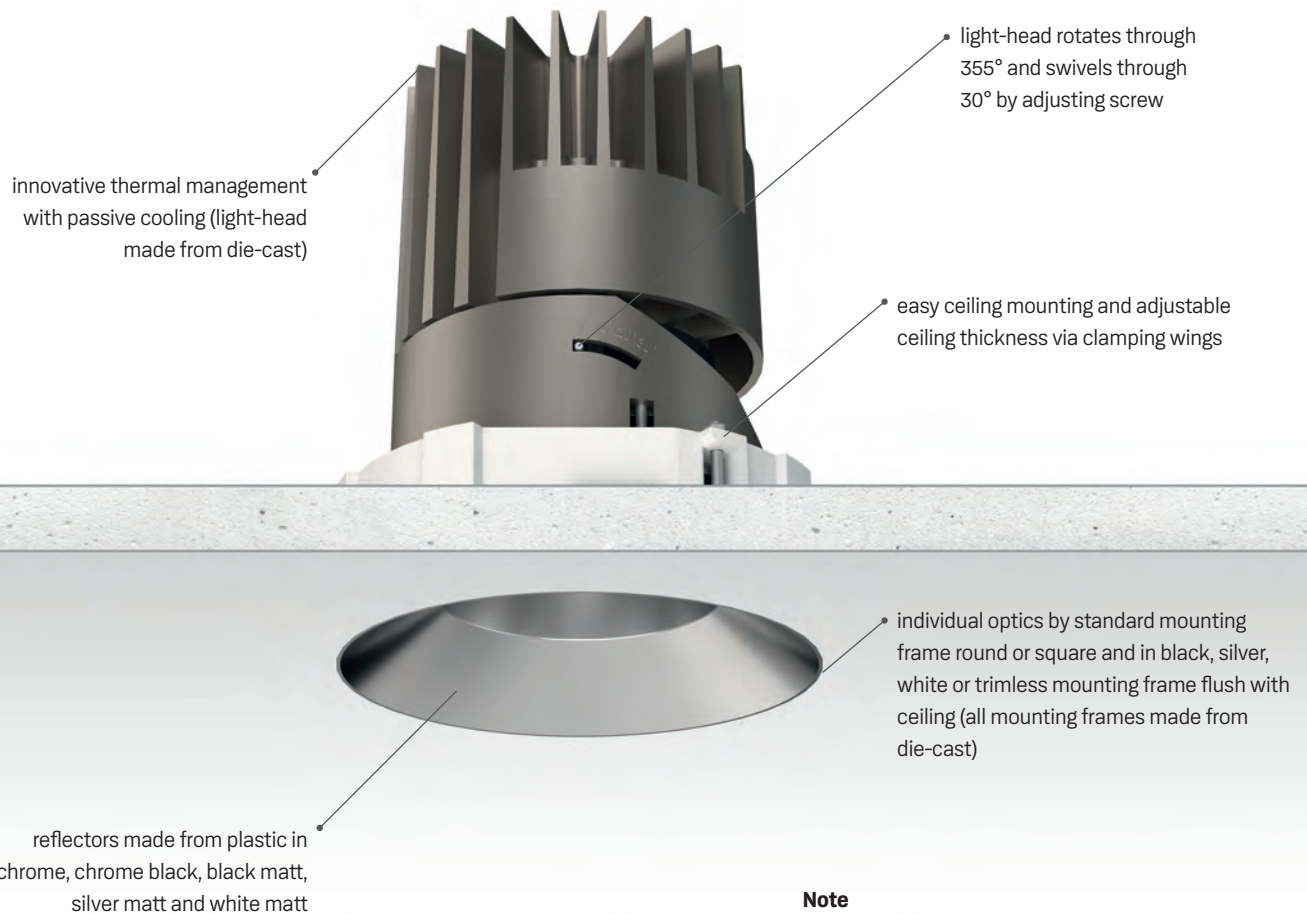
Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	EEC
DAL-S-LK 100.830.20	20°	3000	15	1150	135	A+
DAL-S-LK 100.830.40	40°	3000	15	1070	135	A
DAL-S-LK 100.830.50	50°	3000	15	1000	135	A
DAL-S-LK 101.830.20	20°	3000	22	1580	135	A
DAL-S-LK 101.830.40	40°	3000	22	1460	135	A
DAL-S-LK 101.830.50	50°	3000	22	1360	135	A

Accessories

Article name	Description	L x B [mm]	Ø [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]
DAL-S-ESR 21	mounting frame Standard round (black, silver, white)		110	100	1 - 25	0.12
DAL-S-ESQ 11	mounting frame Standard square (black, silver, white)	107 x 107		96 x 96	1 - 25	0.12
DAL-S-ETR 21	mounting frame Trimless round (white)		100	102	12.5 - 24.5	0.10
DAL-S-ETQ 11	mounting frame Trimless square (white)	94 x 94		96 x 96	12.5 - 24.5	0.12
DAL-S-RFR 21	reflector flat round (chrome, chrome bk, bk matt, si matt, wh matt)		94			0.02
DAL-S-RTR 21	reflector deep round (chrome, chrome bk, bk matt, si matt, wh matt)		94			0.02
DAL-S-RWR 21	reflector wallwasher round (si matt)		94			0.04
DAL-S-RFQ 11	reflector flat square (chrome, chrome bk, bk matt, si matt, wh matt)	99 x 99				0.03
DAL-S-RTQ 11	reflector deep square (chrome, chrome bk, bk matt, si matt, wh matt)	99 x 99				0.04
DAL-S-RWQ 11	reflector wallwasher square (si matt)	99 x 99				0.05
DAL-S-ZBW 11.21	honeycomb louvre		43			0.01

Further product informations you will find under www.lts-light.eu/2370

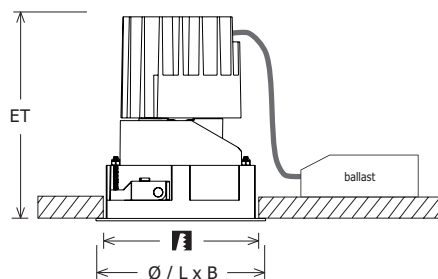
Dallton Medium



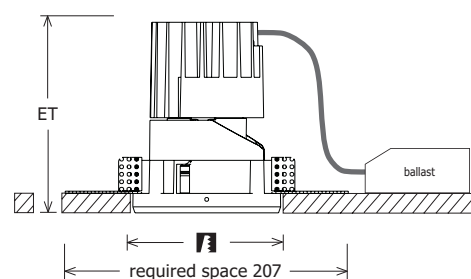
Note

Also available as smaller versions Dallton XSmall (page 66), Small (page 68) and larger version Dallton Large (page 72). For simple planning use the Dallton Configurator on our website. Further informations on page 74.

Standard



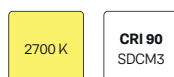
Trimless



Standard options



Special options





Range selection



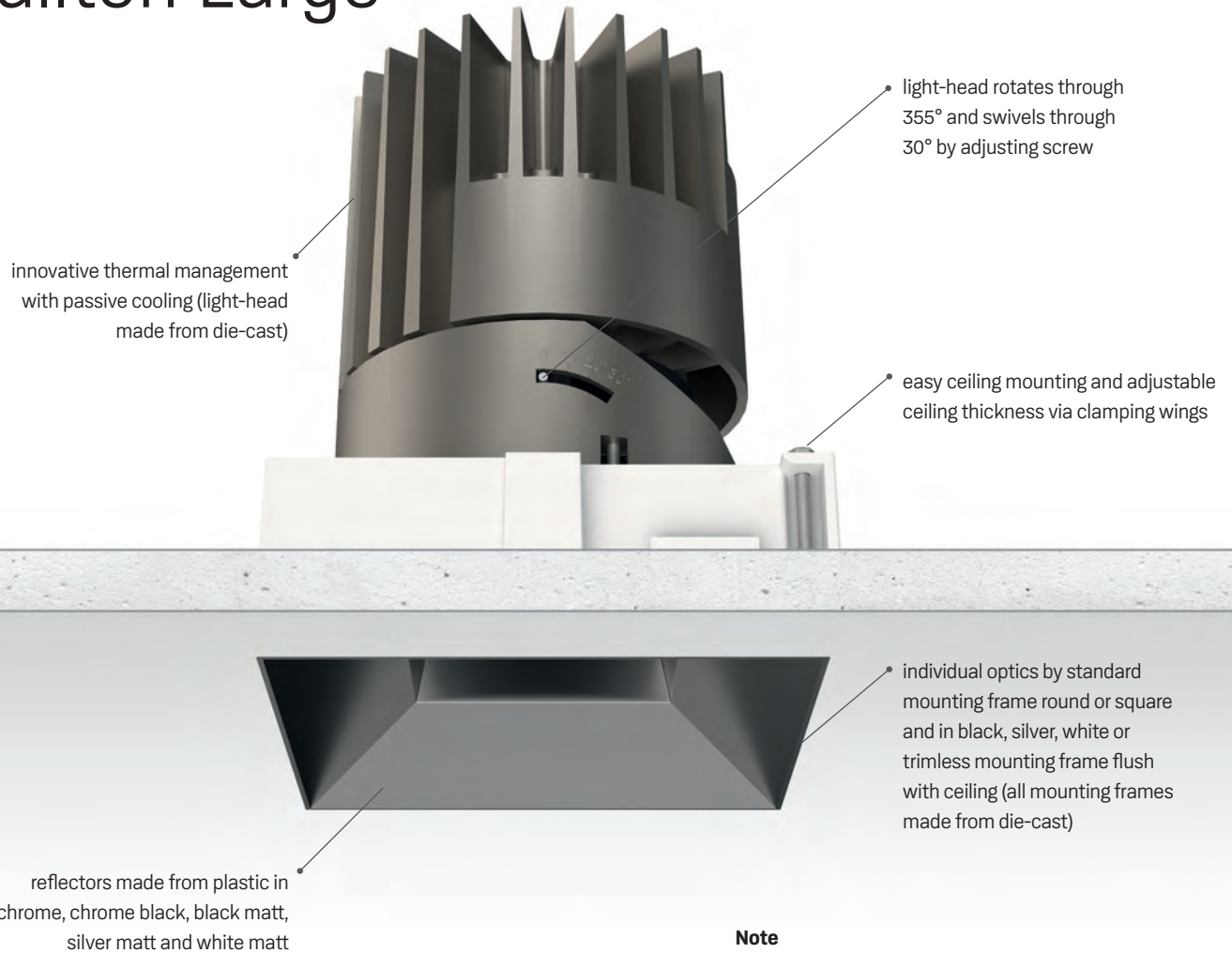
Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	EEC
DAL-M-LK 101.830.20	20°	3000	21	1610	170	A
DAL-M-LK 101.830.40	40°	3000	21	1620	170	A
DAL-M-LK 101.830.50	50°	3000	21	1770	170	A+
DAL-M-LK 102.830.20	20°	3000	28	2150	170	A
DAL-M-LK 102.830.40	40°	3000	28	2170	170	A
DAL-M-LK 102.830.50	50°	3000	28	2360	170	A+

Accessories

Article name	Description	L x B [mm]	Ø [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]
DAL-M-ESR 22	mounting frame Standard round (black, silver, white)		137	125	1 - 33	0.16
DAL-M-ESQ 12	mounting frame Standard square (black, silver, white)	132 x 132		122 x 122	1 - 30	0.22
DAL-M-ETR 22	mounting frame Trimless round (white)		125	127	12.5 - 24.5	0.16
DAL-M-ETQ 12	mounting frame Trimless square (white)	120 x 120		122 x 122	12.5 - 24.5	0.20
DAL-M-RFR 22	reflector flat round (chrome, chrome bk, bk matt, si matt, wh matt)		119			0.04
DAL-M-RTR 22	reflector deep round (chrome, chrome bk, bk matt, si matt, wh matt)		119			0.06
DAL-M-RWR 22	reflector wallwasher round (si matt)		119			0.06
DAL-M-RFQ 12	reflector flat square (chrome, chrome bk, bk matt, si matt, wh matt)	114 x 114				0.06
DAL-M-RTQ 12	reflector deep square (chrome, chrome bk, bk matt, si matt, wh matt)	114 x 114				0.07
DAL-M-RWQ 12	reflector wallwasher square (si matt)	114 x 114				0.10
DAL-M-ZBW 12.22	honeycomb louvre		60			0.02

Further product informations you will find under www.lts-light.eu/2369

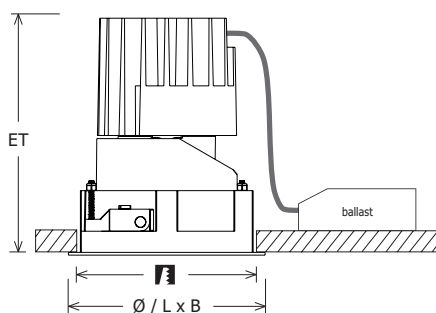
Dallton Large



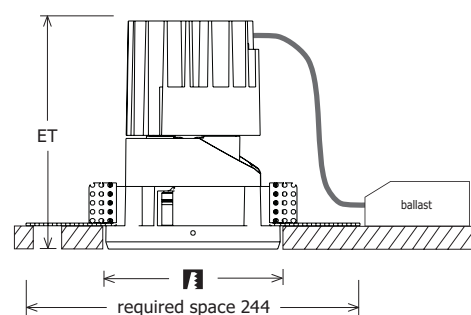
Note

Also available as smaller versions Dallton XSmall (page 66), Small (page 68) and Medium (page 70). For simple planning use the Dallton Configurator on our website. Further informations on page 74.

Standard



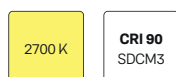
Trimless



Standard options



Special options





Range selection



Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	EEC
DAL-L-LK 101.830.20	20°	3000	28	2350	200	A
DAL-L-LK 101.830.35	35°	3000	28	2210	200	A
DAL-L-LK 101.830.50	50°	3000	28	2230	200	A
DAL-L-LK 102.830.20	20°	3000	43	3470	200	A+
DAL-L-LK 102.830.35	35°	3000	43	3280	200	A
DAL-L-LK 102.830.50	50°	3000	43	3300	200	A

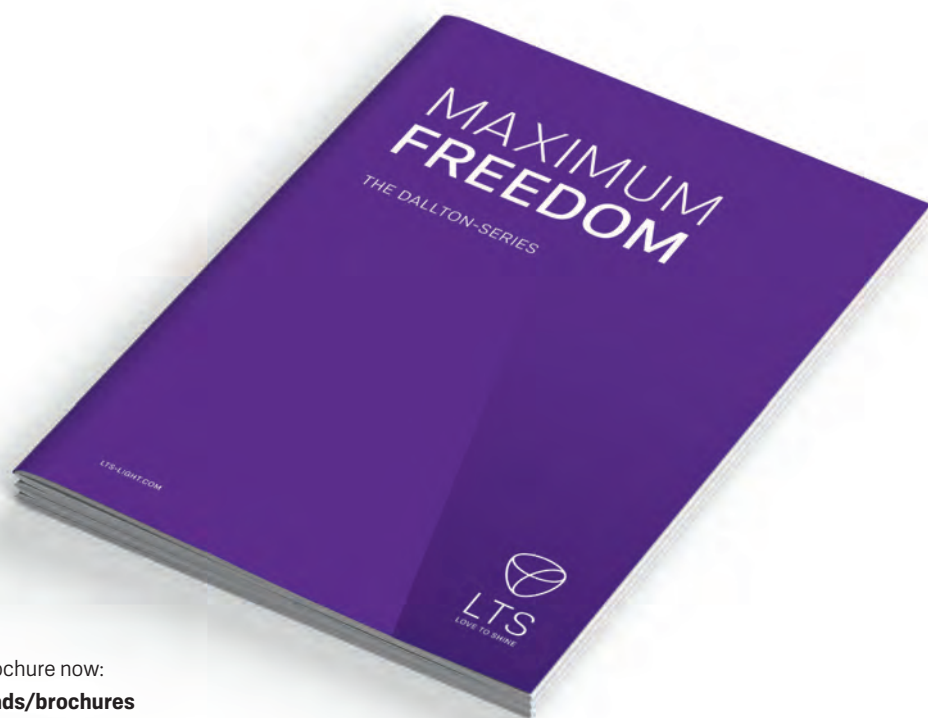
Accessories

Article name	Description	L x B [mm]	Ø [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]
DAL-L-ESR 23	mounting frame Standard round (black, silver, white)		162	150	1 - 36	0.24
DAL-L-ESQ 13	mounting frame Standard square (black, silver, white)	159 x 159		147 x 147	1 - 36	0.32
DAL-L-ETR 23	mounting frame Trimless round (white)		150	152	12.5 - 24.5	0.24
DAL-L-ETQ 13	mounting frame Trimless square (white)	145 x 145		147 x 147	12.5 - 24.5	0.32
DAL-L-RFR 23	reflector flat round (chrome, chrome bk, bk matt, si matt, wh matt)		143			0.06
DAL-L-RTR 23	reflector deep round (chrome, chrome bk, bk matt, si matt, wh matt)		143			0.08
DAL-L-RWR 23	reflector wallwasher round (si matt)		143			0.10
DAL-L-RFQ 13	reflector flat square (chrome, chrome bk, bk matt, si matt, wh matt)	139 x 139				0.08
DAL-L-RTQ 13	reflector deep square (chrome, chrome bk, bk matt, si matt, wh matt)	139 x 139				0.10
DAL-L-RWQ 13	reflector wallwasher square (si matt)	139 x 139				0.14
DAL-L-ZBW 13.23	honeycomb louvre		72			0.02

Further product informations you will find under www.lts-light.eu/2368

SPOTLIGHTS WITH A SYSTEM

THE DALLTON-SERIES



Download the new Dallton brochure now:
www.lts-light.com/downloads/brochures

QUICK AND EASY

THE DALLTON CONFIGURATOR

The recessed spotlights of the new Dallton series are available in four sizes. There are a great number of ways in which these can be individually designed. Installation frames and front reflectors in different shapes, depths and colours provide optimum creative freedom. The range is complemented with various colour temperatures and DALI.

Well over 100 solutions can be created by combining the many options. Too many? It's easy with our configurator. Our configurator delivers both the perfect result, fully meeting requirements, and the appropriate specification documents, data sheets and other data for lighting design.

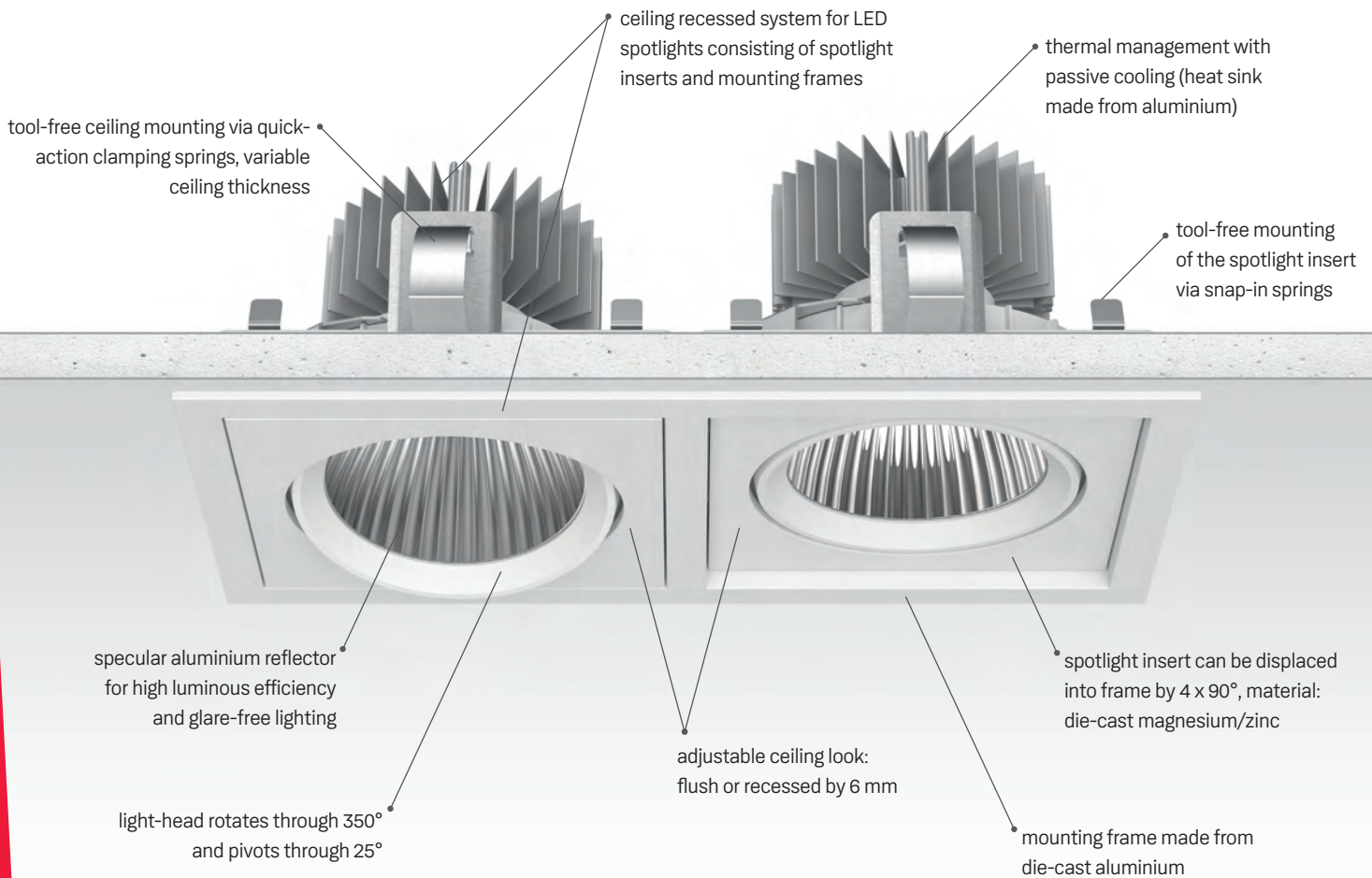


System	01
Mounting type	02
Installation frame	03
Reflector	04
DALI	05
Colour temperature	06
Beam angle	07
System power & luminous flux	08



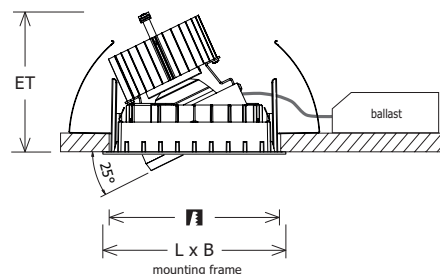
Design your individual Dallton spotlights now:
app.lts-light.com/lichtsystem-en

Scene 1 System



Note

For simple planning use the „light trunking system configurator“ on our website.



Standard options



Special options





Wolford, Bregenz, AUT · Planning: Wolford · Photo: Jean-Marc Delettre — Photography

Range selection



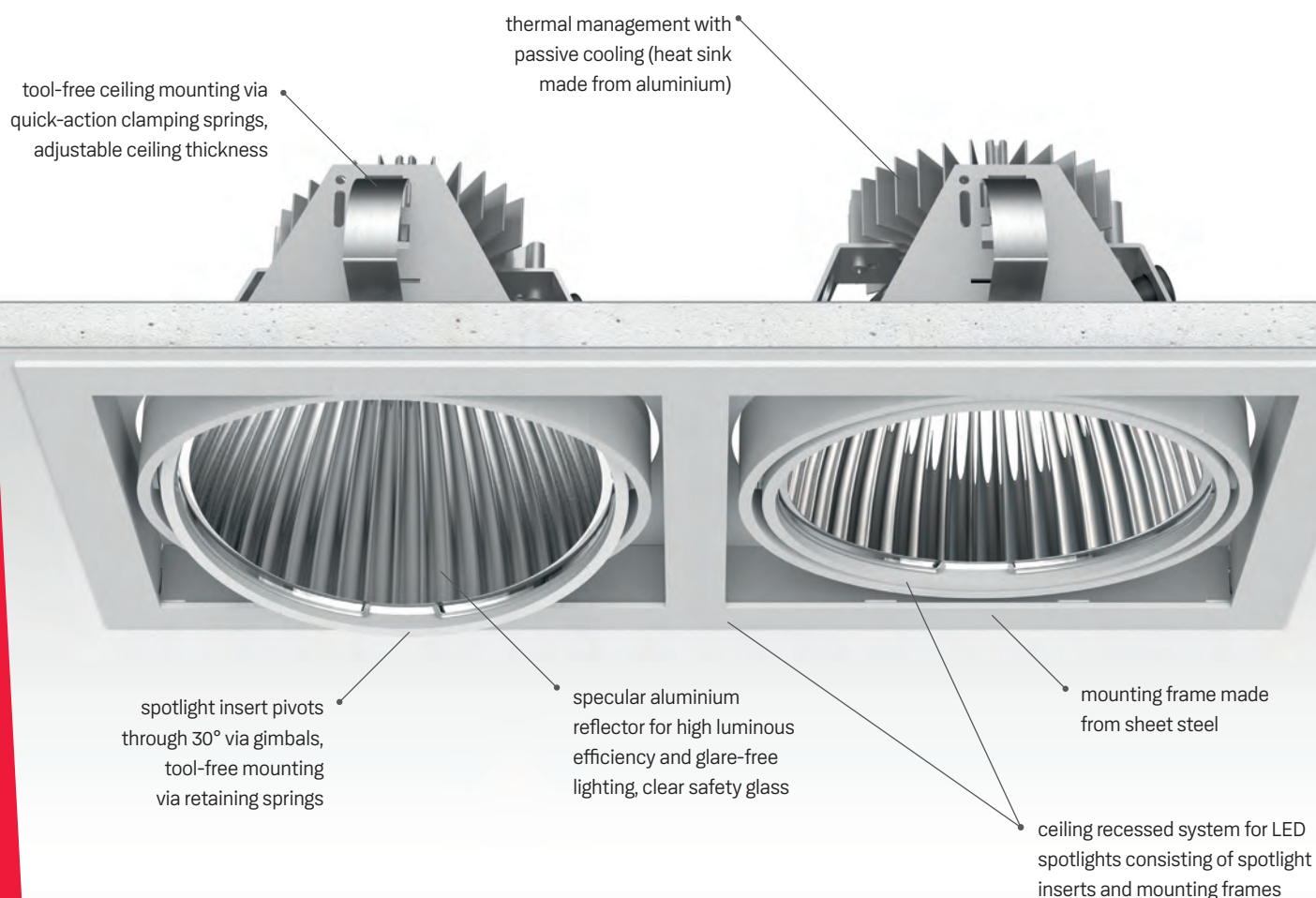
Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Weight [kg]	EEC
SCEKLP 10.1030.15	15°	3000	14	1430	118	0.80	A++
SCEKLP 10.1030.25	25°	3000	14	1420	118	0.80	A++
SCEKLP 10.1030.35	35°	3000	14	1410	118	0.80	A+
SCEKLP 10.1030.50	50°	3000	14	1390	118	0.80	A+
SCEKLP 10.2030.15	15°	3000	27	2740	118	0.98	A++
SCEKLP 10.2030.25	25°	3000	27	2730	118	0.98	A++
SCEKLP 10.2030.35	35°	3000	27	2710	118	0.98	A+
SCEKLP 10.2030.50	50°	3000	27	2650	118	0.98	A+
SCEKLP 10.3030.15	15°	3000	36	3640	135	0.96	A++
SCEKLP 10.3030.25	25°	3000	36	3620	135	0.96	A+
SCEKLP 10.3030.35	35°	3000	36	3600	135	0.96	A+
SCEKLP 10.3030.50	50°	3000	36	3530	135	0.96	A+

Accessories

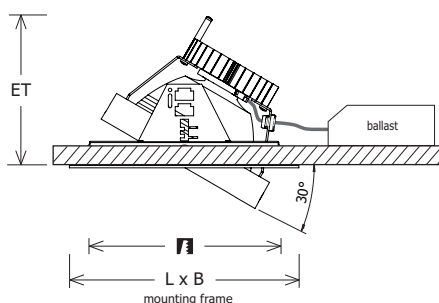
Article name	Description	L x B [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]
SCER 1.100	mounting frame 1-lamp	151 x 151	140 x 145	1 - 25	0.2
SCER 1.200	mounting frame 2-lamp	289 x 151	278 x 145	1 - 25	0.4
SCER 1.300	mounting frame 3-lamp	427 x 151	416 x 145	1 - 25	0.6

Further product informations you will find under www.lts-light.eu/2801

Scene 33 System



Note
For simple planning use the „light trunking system configurator“ on our website.



Standard options



Special options





Jack Barclay Bentley, London, GB · Photo: H. R. Owen

Range selection

L80 B20
50 000 h

CRI 80
SDCM3

IP20

CE

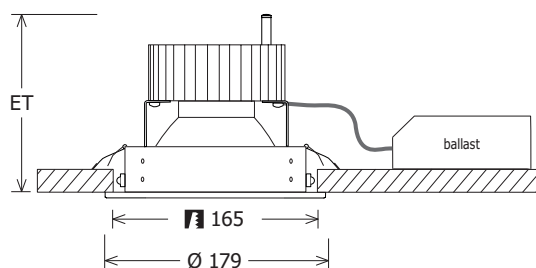
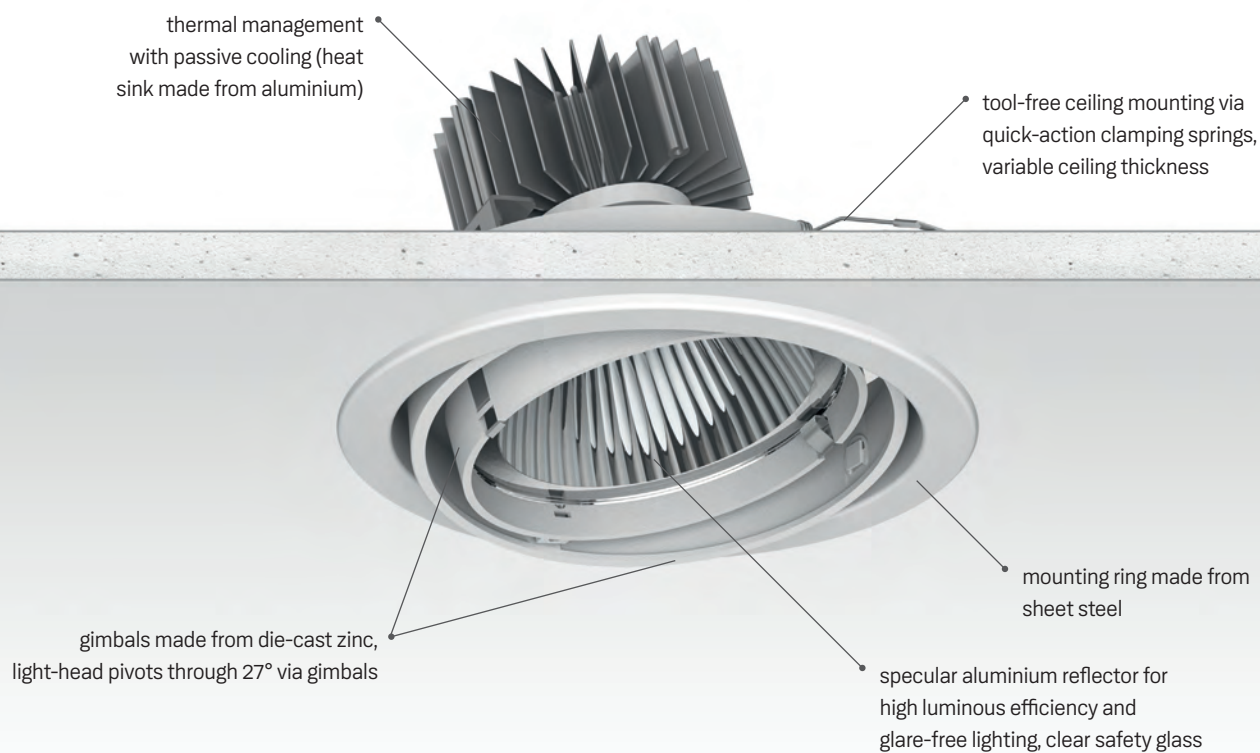
Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cooling	Weight [kg]	EEC
SCEKLP 33.2030.15	15°	3000	27	2620	138	cooling profile	1.10	A+
SCEKLP 33.2030.25	25°	3000	27	2750	138	cooling profile	1.10	A++
SCEKLP 33.2030.35	35°	3000	27	2640	138	cooling profile	1.10	A+
SCEKLP 33.2030.55	55°	3000	27	2750	138	cooling profile	1.10	A++
SCEKLP 33.3030.15	15°	3000	36	3310	155	cooling profile	1.08	A+
SCEKLP 33.3030.25	25°	3000	36	3470	155	cooling profile	1.08	A+
SCEKLP 33.3030.35	35°	3000	36	3330	155	cooling profile	1.08	A+
SCEKLP 33.3030.55	55°	3000	36	3470	155	cooling profile	1.08	A+
SCEKLP 33.5030.15	15°	3000	52	5310	185	cooling profile	1.22	A++
SCEKLP 33.5030.25	25°	3000	52	5580	185	cooling profile	1.22	A++
SCEKLP 33.5030.35	35°	3000	52	5350	185	cooling profile	1.22	A++
SCEKLP 33.5030.55	55°	3000	52	5580	185	cooling profile	1.22	A++
SCEKLP 33.10030.15	15°	3000	97	10230	500	heatpipe	1.64	A++
SCEKLP 33.10030.25	25°	3000	97	10720	500	heatpipe	1.64	A++
SCEKLP 33.10030.35	35°	3000	97	10300	500	heatpipe	1.64	A++
SCEKLP 33.10030.55	55°	3000	97	10720	500	heatpipe	1.64	A++

Accessories

Article name	Description	L x B [mm]	Ø [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]
SCER 33.100	mounting frame 1-lamp (square)	200 x 200		182 x 182	5 - 30	0.4
SCER 33.111	mounting frame 1-lamp (round)		230	Ø 190	5 - 30	0.6
SCER 33.200	mounting frame 2-lamp (square)	381 x 200		360 x 182	5 - 30	0.7
SCER 33.300	mounting frame 3-lamp (square)	562 x 200		540 x 182	5 - 30	1.0
SCER 33.400	mounting frame 4-lamp (square)	365 x 355		360 x 360	5 - 30	1.3

Further product informations you will find under www.lts-light.eu/2807

Scene 4



Standard options



Special options





GreenGlam Naturkosmetik, Augsburg, GER · Photo: Jean-Marc Delettre – Photography

Range selection



Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]	EEC
SCELP 401.1030.15	15°	3000	14	1410	123	Ø 165	10 - 30	0.96	A+
SCELP 401.1030.25	25°	3000	14	1400	123	Ø 165	10 - 30	0.96	A+
SCELP 401.1030.35	35°	3000	14	1390	123	Ø 165	10 - 30	0.96	A+
SCELP 401.1030.45	45°	3000	14	1380	123	Ø 165	10 - 30	0.96	A+
SCELP 401.2030.15	15°	3000	27	2710	123	Ø 165	10 - 30	1.14	A+
SCELP 401.2030.25	25°	3000	27	2700	123	Ø 165	10 - 30	1.14	A+
SCELP 401.2030.35	35°	3000	27	2680	123	Ø 165	10 - 30	1.14	A+
SCELP 401.2030.45	45°	3000	27	2650	123	Ø 165	10 - 30	1.14	A+
SCELP 401.3030.15	15°	3000	36	3600	140	Ø 165	10 - 30	1.12	A+
SCELP 401.3030.25	25°	3000	36	3580	140	Ø 165	10 - 30	1.12	A+
SCELP 401.3030.35	35°	3000	36	3560	140	Ø 165	10 - 30	1.12	A+
SCELP 401.3030.45	45°	3000	36	3530	140	Ø 165	10 - 30	1.12	A+

Accessories

Article name	Description
ZBW 20	honeycomb louvre

Further product informations you will find under www.lts-light.eu/2332

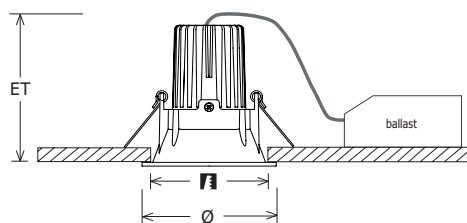
Vale-Tu Round Small/Medium

innovative thermal management
with passive cooling (heat sink
made from die-cast aluminium)

tool-free ceiling mounting via
quick-action clamping springs,
variable ceiling thickness

reflector lense made from acrylic
glass, pivots through 15°

recessed funnel made
from die-cast aluminium



Standard options



Special options





Maranello Motors, Cologne, GER · Planning: Ferrari Deutschland · Photo: Enrique Salcedo Puerto

Range selection



Article name	Ø [mm]	Colour	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]	EEC
VTRS 10.0530.25	80	silver	25°	3000	12	1010	112	Ø 70	10 - 15	0.48	A+
VTRS 10.0530.35	80	silver	35°	3000	12	1050	112	Ø 70	10 - 15	0.48	A+
VTRS 13.0530.25	80	white	25°	3000	12	1010	112	Ø 70	10 - 15	0.48	A+
VTRS 13.0530.35	80	white	35°	3000	12	1050	112	Ø 70	10 - 15	0.48	A+
VTRM 10.0530.25	90	silver	25°	3000	12	1080	117	Ø 78	10 - 15	0.49	A+
VTRM 10.0530.35	90	silver	35°	3000	12	1120	117	Ø 78	10 - 15	0.49	A+
VTRM 13.0530.25	90	white	25°	3000	12	1080	117	Ø 78	10 - 15	0.49	A+
VTRM 13.0530.35	90	white	35°	3000	12	1120	117	Ø 78	10 - 15	0.49	A+

Further product informations you will find under www.lts-light.eu/2346 or **2347**

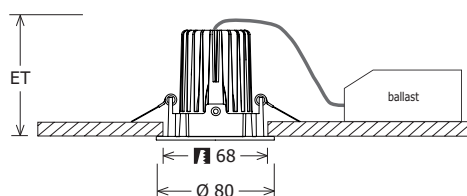
Vale-Tu Round XSsmall

innovative thermal management
with passive cooling (heat sink
made from die-cast aluminium)

tool-free ceiling mounting via
quick-action clamping springs,
variable ceiling thickness

mounting ring made
from die-cast aluminium

reflector lense made from
acrylic glass, pivots through 15°



Standard options



Special options





Leonardo Royal Hotel, Ulm, GER · Planning: Neudahm Hotel Interior Design · Photo: Leuchtende Hotelfotografie

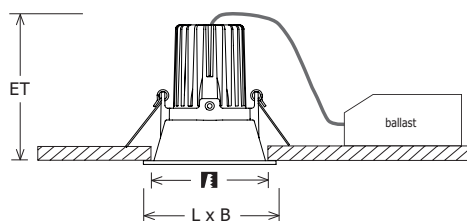
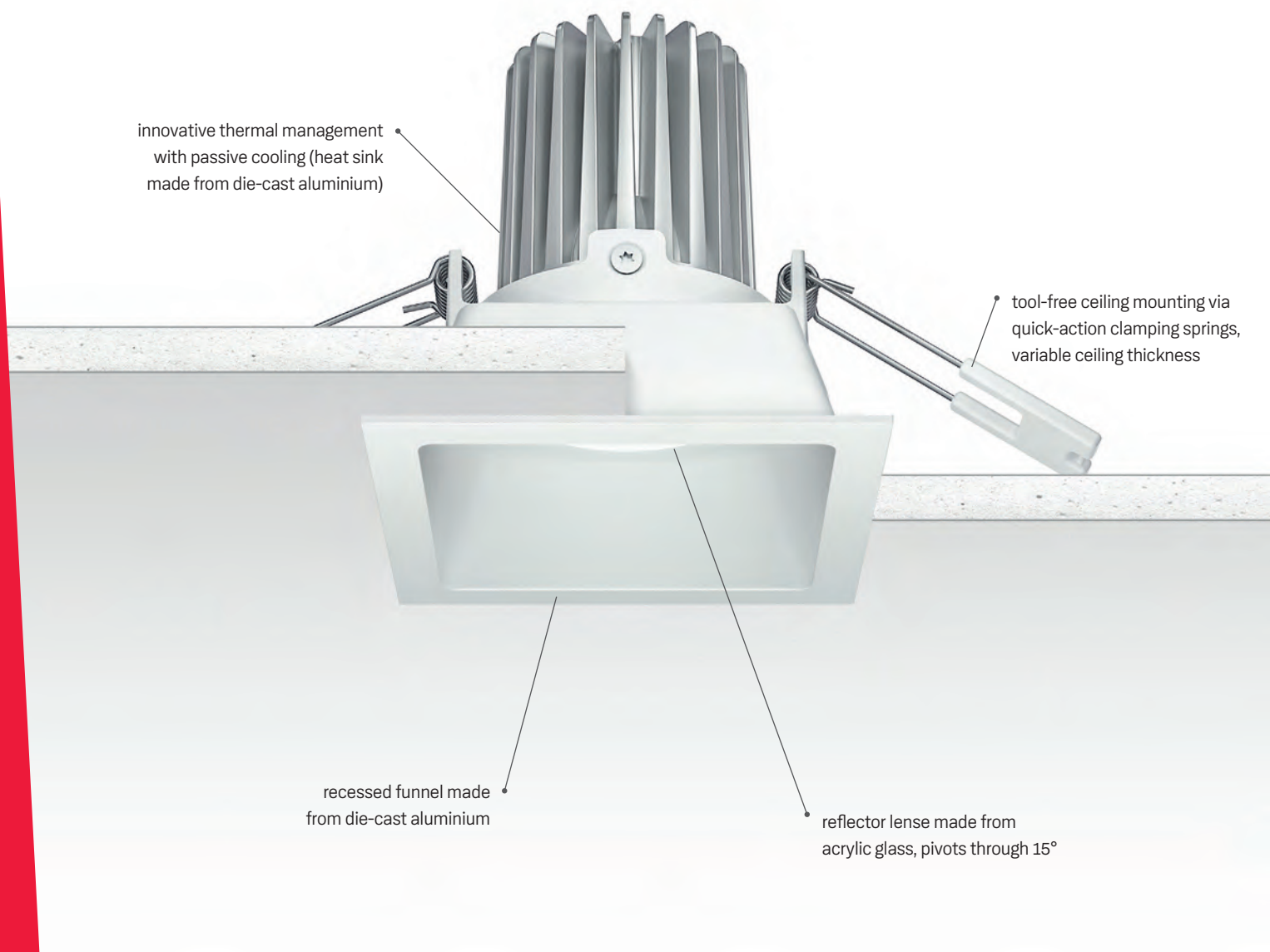
Range selection



Article name	Colour	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	EEC
VTRXS 10.0530.25	silver	25°	3000	12	1120	87	Ø 68	10 - 15	A+
VTRXS 10.0530.35	silver	35°	3000	12	1160	87	Ø 68	10 - 15	A+
VTRXS 13.0530.25	white	25°	3000	12	1120	87	Ø 68	10 - 15	A+
VTRXS 13.0530.35	white	35°	3000	12	1160	87	Ø 68	10 - 15	A+

Further product informations you will find under www.lts-light.eu/2348

Vale-Tu Square Small/Medium



Standard options



Special options





Shan Rahmikhhan, Berlin, GER · Planning: Shan Rahimkhan · Photo: Daniel Horn Photography

Range selection



Article name	L x B [mm]	Colour	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]	EEC
VTSS 10.0530.25	80 x 80	silver	25°	3000	12	1010	112	70 x 70	10 - 15	0.49	A+
VTSS 10.0530.35	80 x 80	silver	35°	3000	12	1050	112	70 x 70	10 - 15	0.49	A+
VTSS 13.0530.25	80 x 80	white	25°	3000	12	1010	112	70 x 70	10 - 15	0.49	A+
VTSS 13.0530.35	80 x 80	white	35°	3000	12	1050	112	70 x 70	10 - 15	0.49	A+
VTSM 10.0530.25	90 x 90	silver	25°	3000	12	1080	117	78 x 78	10 - 15	0.52	A+
VTSM 10.0530.35	90 x 90	silver	35°	3000	12	1120	117	78 x 78	10 - 15	0.52	A+
VTSM 13.0530.25	90 x 90	white	25°	3000	12	1080	117	78 x 78	10 - 15	0.52	A+
VTSM 13.0530.35	90 x 90	white	35°	3000	12	1120	117	78 x 78	10 - 15	0.52	A+

Further product informations you will find under www.lts-light.eu/2350 or **2351**

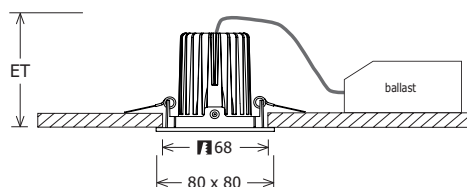
Vale-Tu Square XSsmall

innovative thermal management
with passive cooling (heat sink
made from die-cast aluminium)

tool-free ceiling mounting via
quick-action clamping springs,
variable ceiling thickness

mounting frame made
from die-cast aluminium

reflector lens made from
acrylic glass, pivots through 15°



Standard options



Special options





Wolford, Bregenz, AUT · Planning: Wolford · Photo: Jean-Marc Delettre — Photography

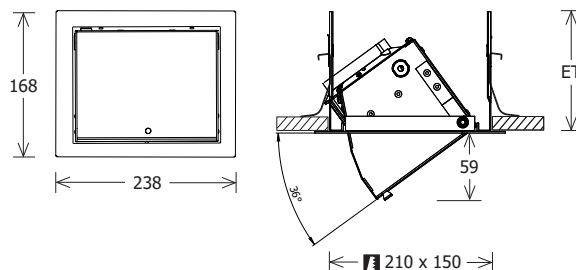
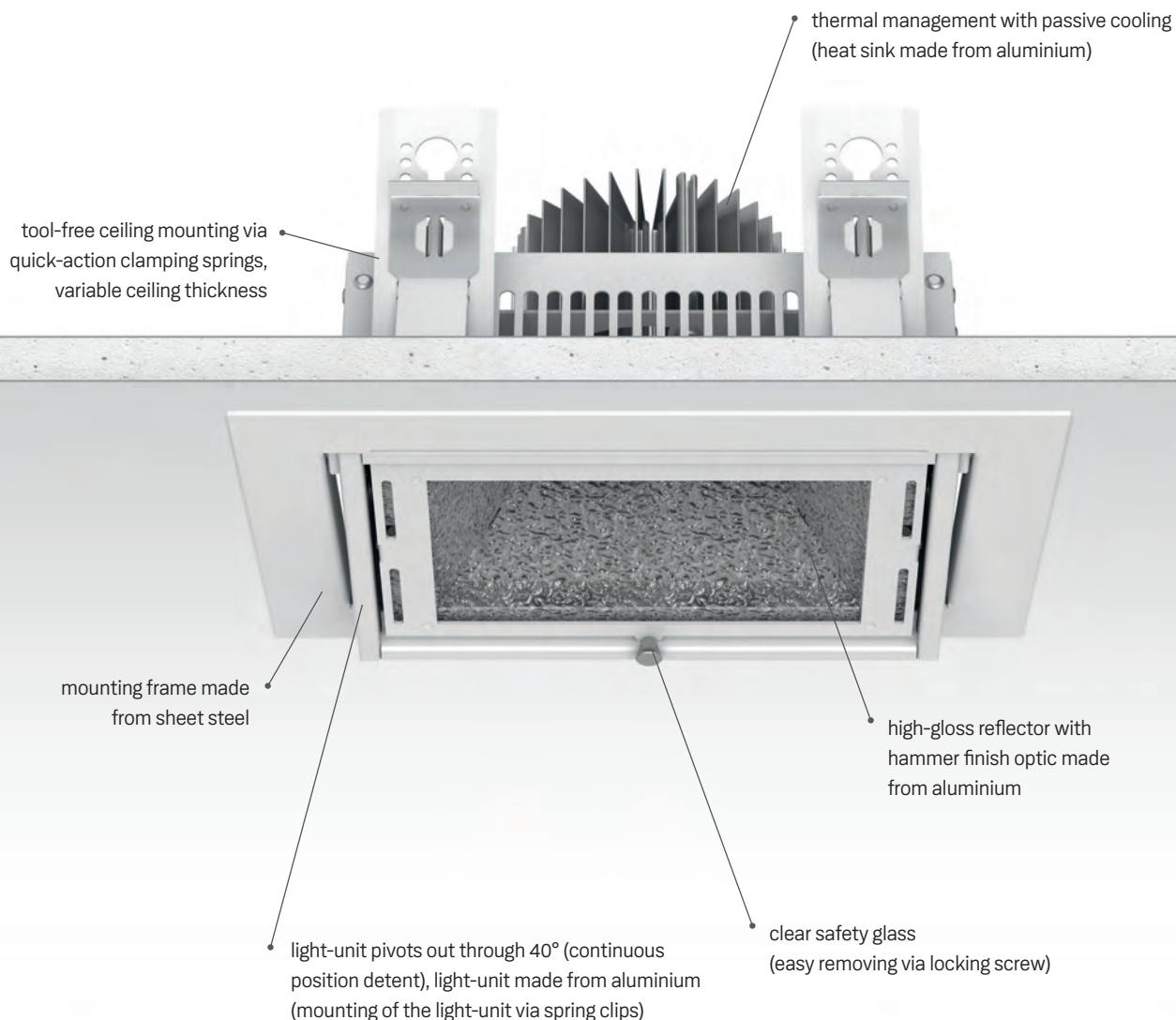
Range selection



Article name	Colour	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	EEC
VTSXS 10.0530.25	silver	25°	3000	12	1120	87	Ø 68	10 - 15	A+
VTSXS 10.0530.35	silver	35°	3000	12	1160	87	Ø 68	10 - 15	A+
VTSXS 13.0530.25	white	25°	3000	12	1120	87	Ø 68	10 - 15	A+
VTSXS 13.0530.35	white	35°	3000	12	1160	87	Ø 68	10 - 15	A+

Further product informations you will find under www.lts-light.eu/2352

Vario Classic



Standard options



Special options





Bäckerei Metzler, Langenargen, GER · Planning: Brust+Partner

Range selection



Article name	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	EEC
VFCL 700.2530	3000	27	2610	135	210 x 150	1 - 40	A+
VFCL 700.3530	3000	36	3570	135	210 x 150	1 - 40	A+
VFCL 700.5530	3000	59	5450	135	210 x 150	1 - 40	A+

Further product informations you will find under www.its-light.eu/2361

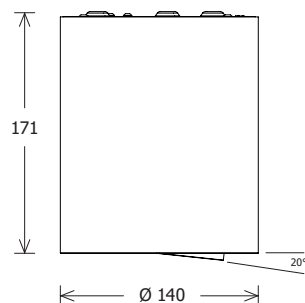


SURFACE- MOUNTED DOWNLIGHTS

www.lts-light.com/surface-mounted-downlights



Button 300



Standard options



Special options





Delta Credit, St. Petersburg, RUS

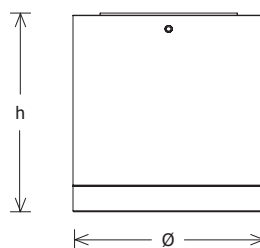
Range selection



Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	EEC
BTN-A 301.30.35	35°	3000	14	1390	A+
BTN-A 301.30.50	50°	3000	14	1370	A+
BTN-A 302.30.50	50°	3000	27	2620	A+
BTN-A 302.30.35	35°	3000	27	2680	A+

Further product informations you will find under www.lts-light.eu/2168

Button Mini 100/200



Standard options





Die Wälderin, Mellau, AUT · Planning: elektrodesign Fröhle René · Photo: Leuchtende Hotelfotografie

Range selection

L70 B50 40 000 h	CRI 80 SDCM3	IP54	CE	RoHS	WEISS
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Article name	Ø [mm]	Height [mm]	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	Weight [kg]	EEC
BTNM 101.30.55	90	100	55°	3000	15	1200	0.54	A+
BTNM 202.30.55	120	110	55°	3000	24	2400	0.83	A++

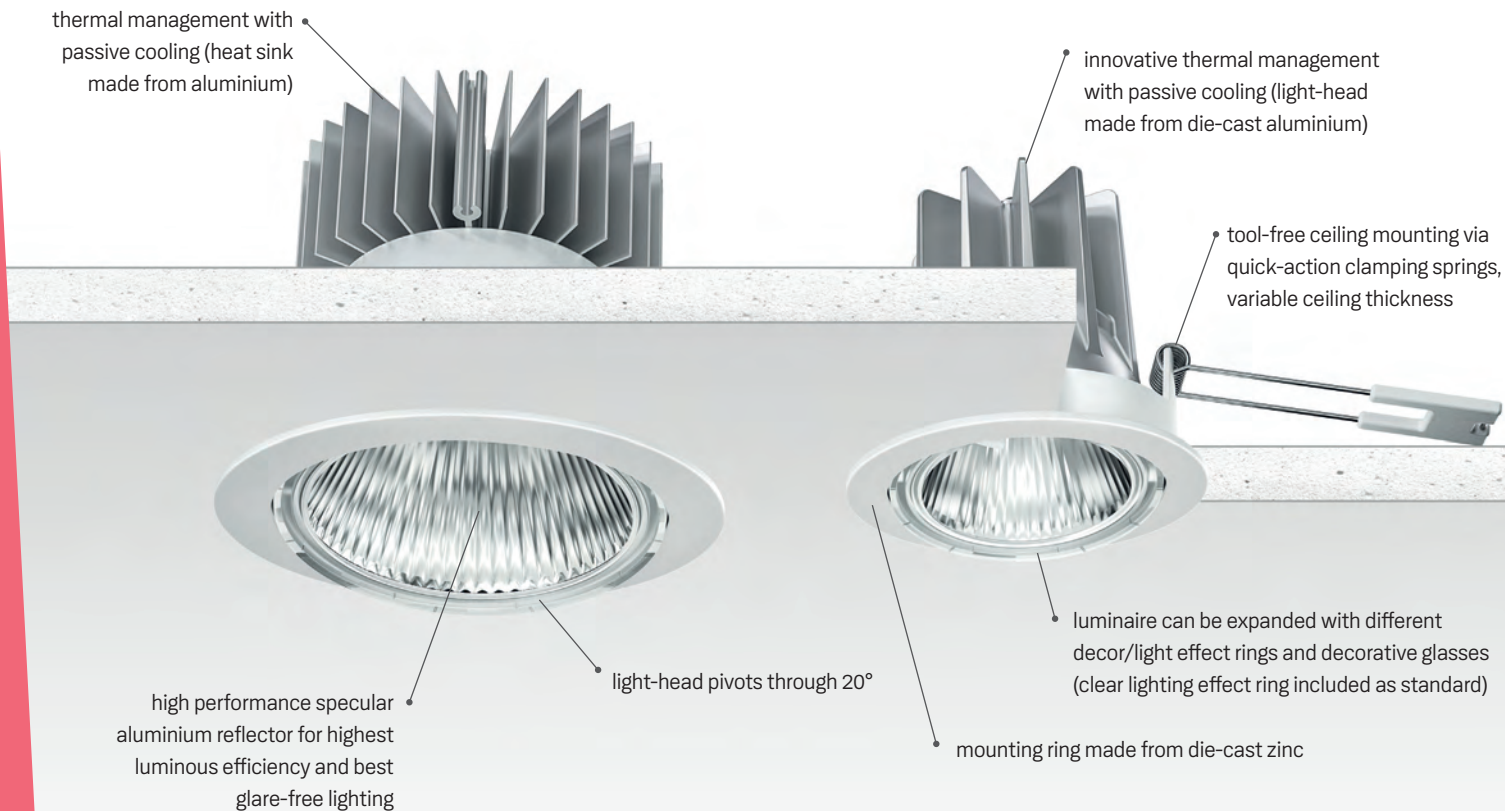
Further product informations you will find under www.lts-light.eu/2175 or **2176**



RECESSED DOWNLIGHTS



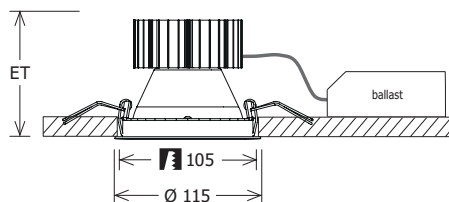
Flixx 100/200 Round



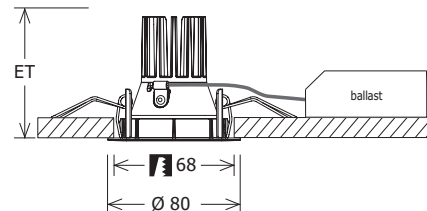
Note

Also available as larger versions Flixx 300/400 Round (page 106). Special options only available for Flixx 200 Round. Concrete recessed housing possible for Flixx 100/200 Round.

Flixx 200 Round



Flixx 100 Round



Standard options



Special options





Hyperion Hotel, Munich, GER · Planning: Unykat Interior Design · Photo: Andreas Huber Fotografie

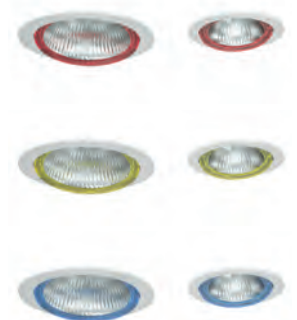
Range selection



Article name	Ø [mm]	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]	EEC
FLIR 100.1030.15	80	15°	3000	15	1380	90	Ø 68	1 - 25	0.51	A+
FLIR 100.1030.35	80	35°	3000	15	1360	90	Ø 68	1 - 25	0.51	A+
FLIR 200.2030.15	115	15°	3000	27	2970	110	Ø 105	1 - 25	0.87	A++
FLIR 200.2030.35	115	35°	3000	27	2950	110	Ø 105	1 - 25	0.87	A++
FLIR 200.2030.50	115	50°	3000	27	2880	110	Ø 105	1 - 25	0.87	A++

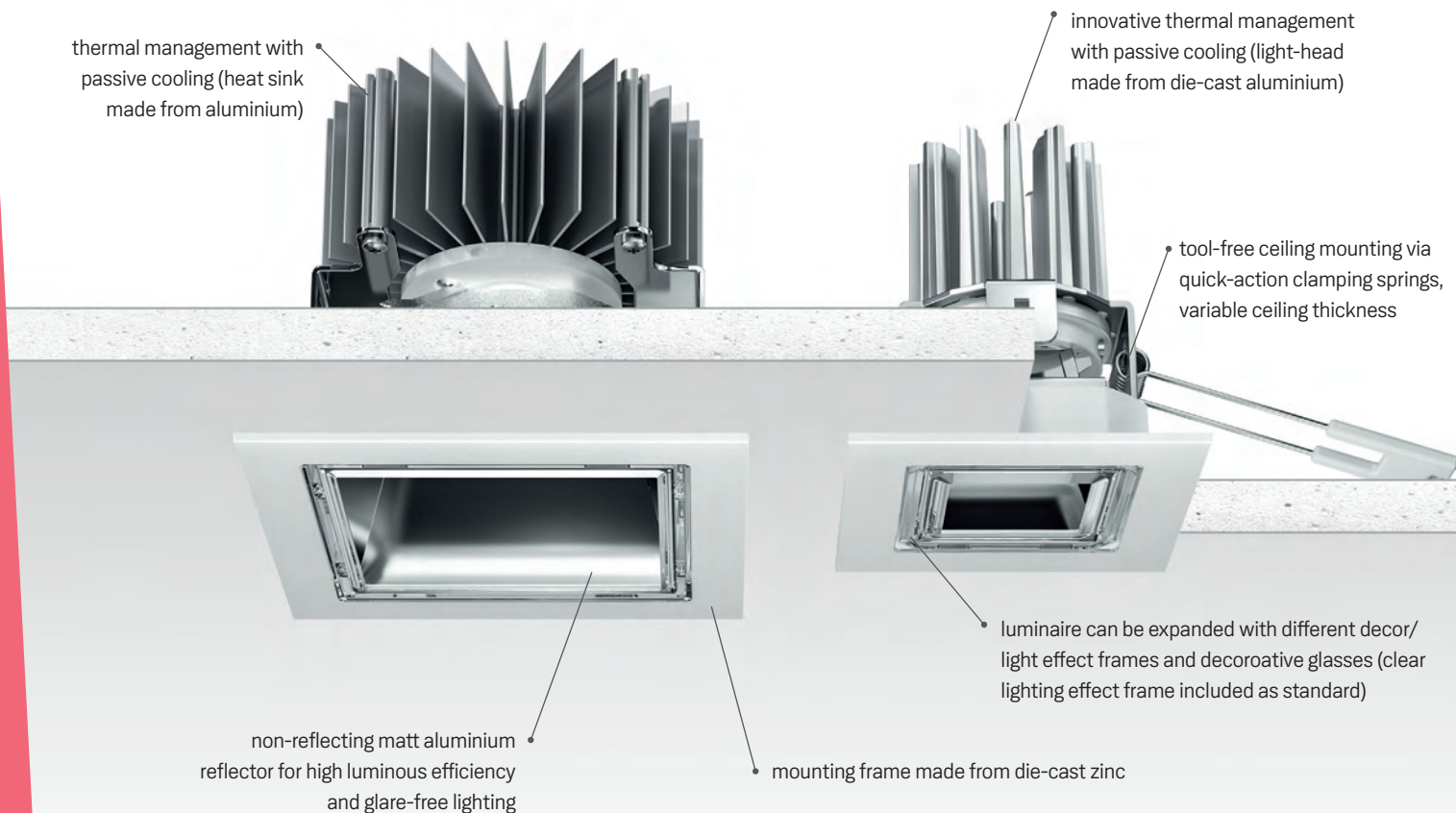
Accessories

Article name	Description
FLIRZ 100.01 / FLIRZ 200.01	decorative ring black
FLIRZ 100.02 / FLIRZ 200.02	decorative ring silver
FLIRZ 100.03 / FLIRZ 200.03	decorative ring white
FLIRZ 100.04 / FLIRZ 200.04	light effect ring opal
FLIRZ 100.05 / FLIRZ 200.05	light effect ring clear
FLIRZ 100.06 / FLIRZ 200.06	light effect ring red matt
FLIRZ 100.07 / FLIRZ 200.07	light effect ring yellow matt
FLIRZ 100.08 / FLIRZ 200.08	light effect ring blue matt
FLIRZ 100.16 / FLIRZ 200.16	light effect ring red translucent
FLIRZ 100.17 / FLIRZ 200.17	light effect ring yellow translucent
FLIRZ 100.18 / FLIRZ 200.18	light effect ring blue translucent
FLIRZ 100.24 / FLIRZ 200.24	decorative glass opal
FLIRZ 100.25 / FLIRZ 200.25	decorative glass clear



Further product informations you will find under www.lts-light.eu/2142 or **2143**

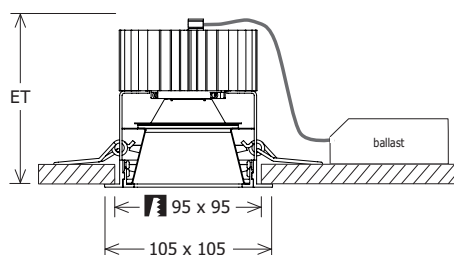
Flixx 100/200 Square



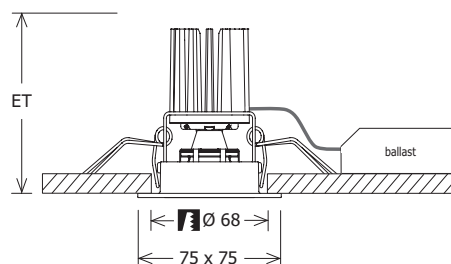
Note

Also available as larger versions Flixx 300/400 Square (page 108). Special options only available for Flixx 200 Square. Concrete recessed housing possible for Flixx 100/200 Square.

Flixx 200 Square



Flixx 100 Square



Standard options



Special options





Porsche Zentrum, Wiesbaden, GER · Planning: Ingenieurbüro Amelung & Reydt · Photo: IAF Industrie- und Architektur fotografie

Range selection

L80 B20
50 000 h

CRI 80
SDCM3



IP20



Article name	L x B [mm]	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]	EEC
FLIQ 100.1030.01	75 x 75	3000	15	1160	90	Ø 68	1 - 25	0.58	A+
FLIQ 200.2030.01	105 x 105	3000	27	2670	110	95 x 95	1 - 25	0.75	A+

Accessories

Article name	Description
FLIQZ 100.01 / FLIQZ 200.01	decorative frame black
FLIQZ 100.02 / FLIQZ 200.02	decorative frame silver
FLIQZ 100.03 / FLIQZ 200.03	decorative frame white
FLIQZ 100.04 / FLIQZ 200.04	light effect frame opal
FLIQZ 100.05 / FLIQZ 200.05	light effect frame clear
FLIQZ 100.06 / FLIQZ 200.06	light effect frame red matt
FLIQZ 100.07 / FLIQZ 200.07	light effect frame yellow matt
FLIQZ 100.08 / FLIQZ 200.08	light effect frame blue matt
FLIQZ 100.16 / FLIQZ 200.16	light effect frame red translucent
FLIQZ 100.17 / FLIQZ 200.17	light effect frame yellow translucent
FLIQZ 100.18 / FLIQZ 200.18	light effect frame blue translucent
FLIQZ 100.24 / FLIQZ 200.24	decorative glass opal
FLIQZ 100.25 / FLIQZ 200.25	decorative glass clear



Further product informations you will find under www.lts-light.eu/2138 or **2139**

Flixx 300 Flat Round

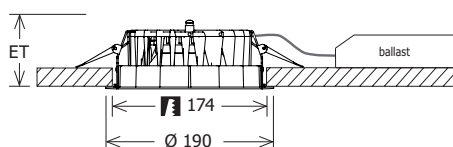
innovative thermal management with passive cooling and very small mounting depth (heat sink made from die-cast aluminium)

tool-free ceiling mounting via quick-action clamping springs, variable ceiling thickness

mounting ring made from die-cast zinc

luminaire can be expanded with different decor/light effect rings and decorative glasses (clear lighting effect ring included as standard)

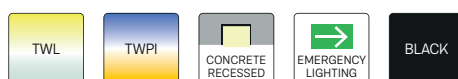
high performance specular aluminium reflector for highest luminous efficiency and best glare-free lighting



Standard options



Special options





Hyperion Hotel, Munich, GER · Planning: Unykat Interior Design · Photo: Andreas Huber Fotografie

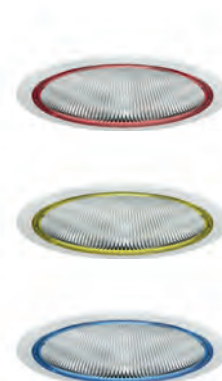
Range selection



Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	EEC
FLIR-F 300.1030.01	85°	3000	11	1020	75	Ø 174	5 - 40	A+
FLIR-F 300.2030.01	85°	3000	22	1990	75	Ø 174	5 - 40	A+
FLIR-F 300.3030.01	85°	3000	29	2810	75	Ø 174	5 - 40	A+

Accessories

Article name	Description
FLIRZ 300.01	decorative ring black
FLIRZ 300.02	decorative ring silver
FLIRZ 300.03	decorative ring white
FLIRZ 300.04	light effect ring opal
FLIRZ 300.05	light effect ring clear
FLIRZ 300.06	light effect ring red matt
FLIRZ 300.07	light effect ring yellow matt
FLIRZ 300.08	light effect ring blue matt
FLIRZ 300.16	light effect ring red translucent
FLIRZ 300.17	light effect ring yellow translucent
FLIRZ 300.18	light effect ring blue translucent
FLIRZ 300.24	decorative glass opal
FLIRZ 300.25	decorative glass clear
NOL 50B/3H/DALI	LED emergency light-unit
ZDAR 175.215-275	spacing ring for ceiling cut-outs from 215 to 275 mm
ZVP 100	universal reinforcement frame (module 625 x 625)



Further product informations you will find under www.lts-light.eu/2169

Flixx 300/400 Round

innovative thermal management
with passive cooling (heat sink
made from die-cast aluminium)

tool-free ceiling mounting via
automatic quick clamping,
variable ceiling thickness

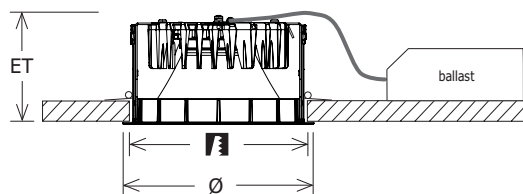
mounting ring made from die-cast zinc

high performance specular alu-
minium reflector for highest luminous
efficiency and best glare-free lighting

luminaire can be expanded with different
decor/light effect rings and decorative glasses
(clear lighting effect ring included as standard)

Note

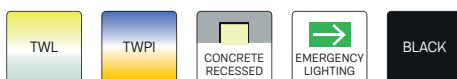
Also available as smaller versions Flixx 100/200 Round (page 100). In addition the version Flixx Flat 300 Round (page 104) with very small installation depth or wall-washer Flixx 320 (page 110) are available.



Standard options



Special options





Stadtwerke Stade, GER · Planning: scandal architecture & interiors · Photo: scandal architecture & interiors

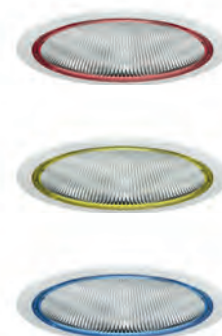
Range selection



Article name	Ø [mm]	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	UGR	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]	EEC
FLIR 300.1030.01	188	75°	3000	11	1070	16.4	105	Ø 175	5 - 50	1.14	A+
FLIR 300.2030.01	188	75°	3000	21	2110	18.7	105	Ø 175	5 - 50	1.16	A+
FLIR 300.3030.01	188	75°	3000	26	2790		105	Ø 175	5 - 50	1.16	A++
FLIR 400.2030.01	220	75°	3000	21	2170		105	Ø 210	5 - 50	1.25	A+
FLIR 400.3030.01	220	75°	3000	26	2870		105	Ø 210	5 - 50	1.25	A++

Accessories

Article name	Description
FLIRZ 300.01 / FLIRZ 400.01	decorative ring black
FLIRZ 300.02 / FLIRZ 400.02	decorative ring silver
FLIRZ 300.03 / FLIRZ 400.03	decorative ring white
FLIRZ 300.04 / FLIRZ 400.04	light effect ring opal
FLIRZ 300.05 / FLIRZ 400.05	light effect ring clear
FLIRZ 300.06 / FLIRZ 400.06	light effect ring red matt
FLIRZ 300.07 / FLIRZ 400.07	light effect ring yellow matt
FLIRZ 300.08 / FLIRZ 400.08	light effect ring blue matt
FLIRZ 300.16 / FLIRZ 400.16	light effect ring red translucent
FLIRZ 300.17 / FLIRZ 400.17	light effect ring yellow translucent
FLIRZ 300.18 / FLIRZ 400.18	light effect ring blue translucent
FLIRZ 300.24 / FLIRZ 400.24	decorative glass opal
FLIRZ 300.25 / FLIRZ 400.25	decorative glass clear
NOL 50B/3H/DALI	emergency light-unit
ZDAR 175.215-275	FLIR 300 spacing ring for ceiling cut-outs from 215 to 275 mm
ZDAR 207.250-310	FLIR 400 spacing ring for ceiling cut-outs from 250 to 310 mm
ZVP 100	universal reinforcement frame (module 625 x 625)



Further product informations you will find under www.lts-light.eu/2144 or **2145**

Flixx 300/400 Square

innovative thermal management
with passive cooling (heat sink
made from die-cast aluminium)

tool-free ceiling mounting
via automatic quick clamping,
variable ceiling thickness

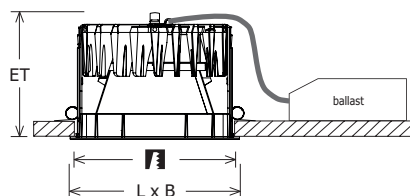
mounting frame made from die-cast zinc

non-reflecting matt aluminium
reflector for high luminous
efficiency and glare-free lighting

luminaire can be expanded with
different decor/light effect frames
and decorative glasses (clear lighting
effect frame included as standard)

Note

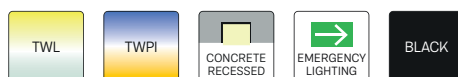
Also available as smaller versions Flixx
100/200 Square (page 102).



Standard options



Special options





LEO Pharma, Dubai, UAE

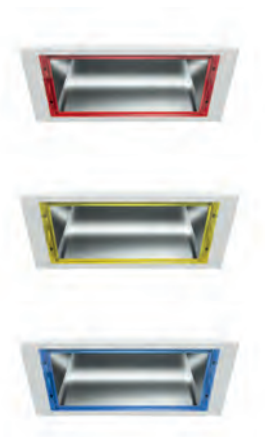
Range selection



Article name	L x B [mm]	CCT [K]	System power [W]	Luminous flux [lm]	UGR	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]	EEC
FLIQ 300.1030.01	145 x 145	3000	11	1010	17.9	110	140 x 140	5 - 50	1.14	A+
FLIQ 300.2030.01	145 x 145	3000	21	2070		110	140 x 140	5 - 50	1.21	A+
FLIQ 300.3030.01	145 x 145	3000	26	2720		110	140 x 140	5 - 50	1.21	A+
FLIQ 400.2030.01	200 x 200	3000	21	2450		110	188 x 188	5 - 50	1.40	A++
FLIQ 400.3030.01	200 x 200	3000	26	3240		110	188 x 188	5 - 50	1.37	A++

Accessories

Article name	Description
FLIQZ 300.01 / FLIQZ 400.01	decorative frame black
FLIQZ 300.02 / FLIQZ 400.02	decorative frame silver
FLIQZ 300.03 / FLIQZ 400.03	decorative frame white
FLIQZ 300.04 / FLIQZ 400.04	light effect frame opal
FLIQZ 300.05 / FLIQZ 400.05	light effect frame clear
FLIQZ 300.06 / FLIQZ 400.06	light effect frame red matt
FLIQZ 300.07 / FLIQZ 400.07	light effect frame yellow matt
FLIQZ 300.08 / FLIQZ 400.08	light effect frame blue matt
FLIQZ 300.16 / FLIQZ 400.16	light effect frame red translucent
FLIQZ 300.17 / FLIQZ 400.17	light effect frame yellow translucent
FLIQZ 300.18 / FLIQZ 400.18	light effect frame blue translucent
FLIQZ 300.24 / FLIQZ 400.24	decorative glass opal
FLIQZ 300.25 / FLIQZ 400.25	decorative glass clear
NOL 50B/3H/DALI	emergency light-unit
ZVP 100	universal reinforcement frame (module 625 x 625)



Further product informations you will find under www.lts-light.eu/2140 or **2141**

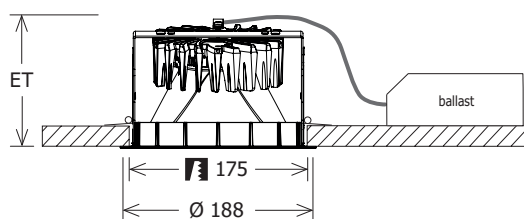
Flixx 320 Round Wallwasher

innovative thermal management
with passive cooling (heat sink
made from die-cast aluminium)

tool-free ceiling mounting
via automatic quick clamping,
variable ceiling thickness

mounting ring made from die-cast zinc

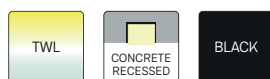
high-gloss reflector made from anodised
PBT with protective coat of scratch-resistant
lacquer, asymmetrical light distribution for
uniform lighting on vertical surfaces, avoiding
of dark spots where the wall and ceiling meets



Standard options



Special options





Delta Credit, St. Petersburg, RUS

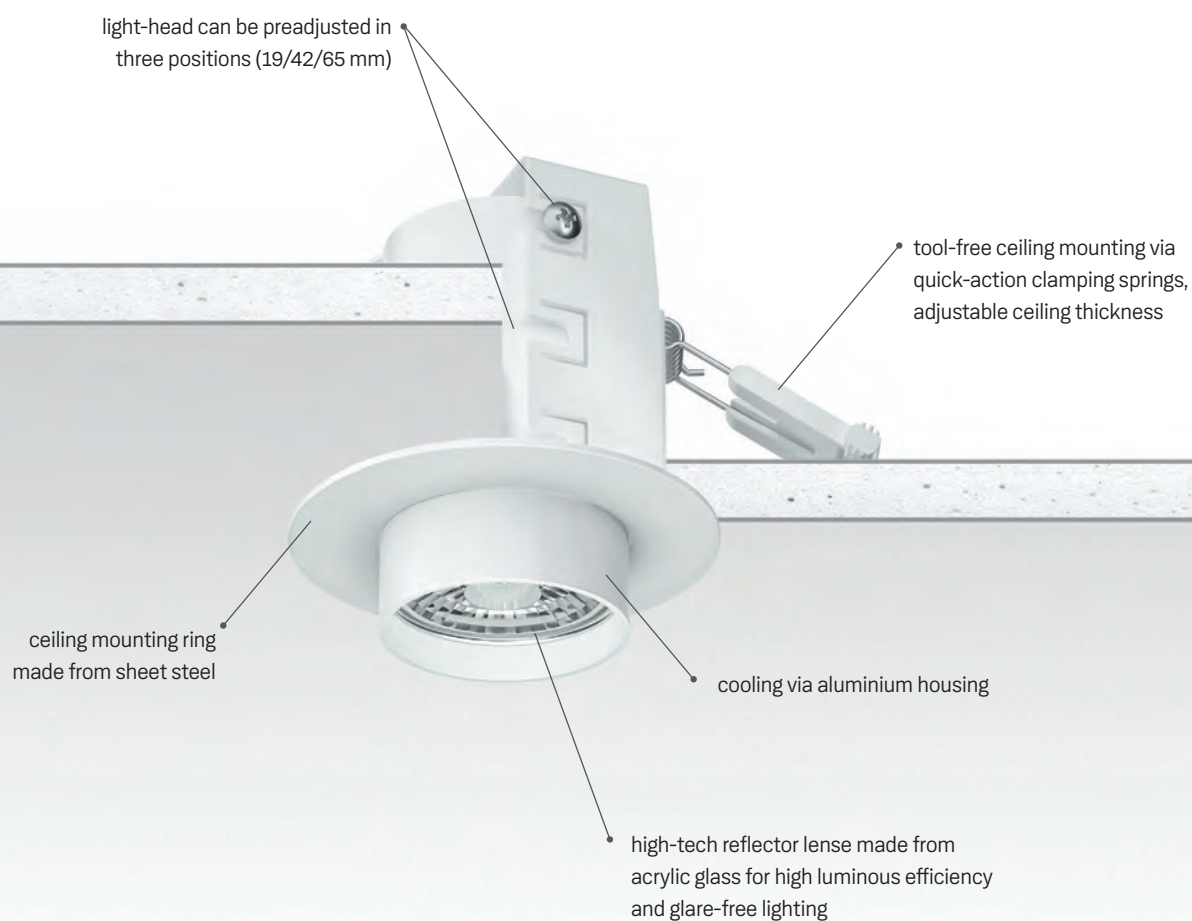
Range selection



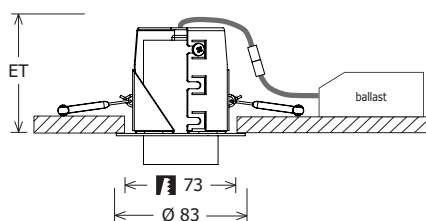
Article name	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	EEC
FLIR 320.2030.01	3000	21	1730	120	Ø 175	5 - 50	A+

Further product informations you will find under www.lts-light.eu/2179

Torpedo 250



Note
Also available as larger version
Torpedo 350 (page 114).



Standard options

2700 K	SILVER
4000 K	WHITE

Special options

3500 K	CRI 90 SDCM3	BLACK RAL
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Range selection



Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	EEC
TORL 251.830.25	25°	3000	12	1030	68	Ø 73	1 - 20	A+ →
TORL 251.830.40	40°	3000	12	1100	68	Ø 73	1 - 20	A+ →
TORL 251.830.55	55°	3000	12	760	68	Ø 73	1 - 20	A →

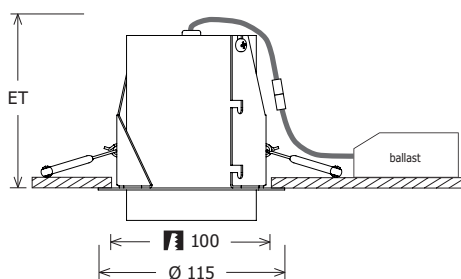
Further product informations you will find under www.lts-light.eu/2177

Torpedo 350



Note

Also available as smaller version
Torpedo 250 (page 112).



Standard options



Special options





Range selection



Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	EEC
TORL 351.830.15	15°	3000	13	1320	110	Ø 100	1 - 20	A++
TORL 351.830.25	25°	3000	13	1320	110	Ø 100	1 - 20	A++
TORL 351.830.35	35°	3000	13	1310	110	Ø 100	1 - 20	A+
TORL 351.830.45	45°	3000	13	1290	110	Ø 100	1 - 20	A+
TORL 352.830.15	15°	3000	26	2630	110	Ø 100	1 - 20	A++
TORL 352.830.25	25°	3000	26	2620	110	Ø 100	1 - 20	A+
TORL 352.830.35	35°	3000	26	2610	110	Ø 100	1 - 20	A+
TORL 352.830.45	45°	3000	26	2580	110	Ø 100	1 - 20	A+

Accessories

Article name	Description
ZBW 85	honeycomb louvre

Further product informations you will find under www.lts-light.eu/2178

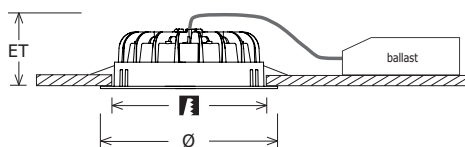
Vale-Tu Flat

innovative thermal management with passive cooling and very small mounting depth (heat sink made from die-cast aluminium)

tool-free ceiling mounting via quick-action clamping springs, variable ceiling thickness

opal microprismatic diffuser

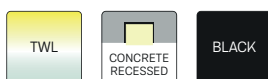
mounting ring made from die-cast aluminium



Standard options



Special options





Die Wälderin, Mellau, AUT · Planning: elektrodesign Fröhle René · Photo: Leuchtende Hotelfotografie

Range selection

L80 B20
50 000 h

CRI 80
SDCM3



IP44

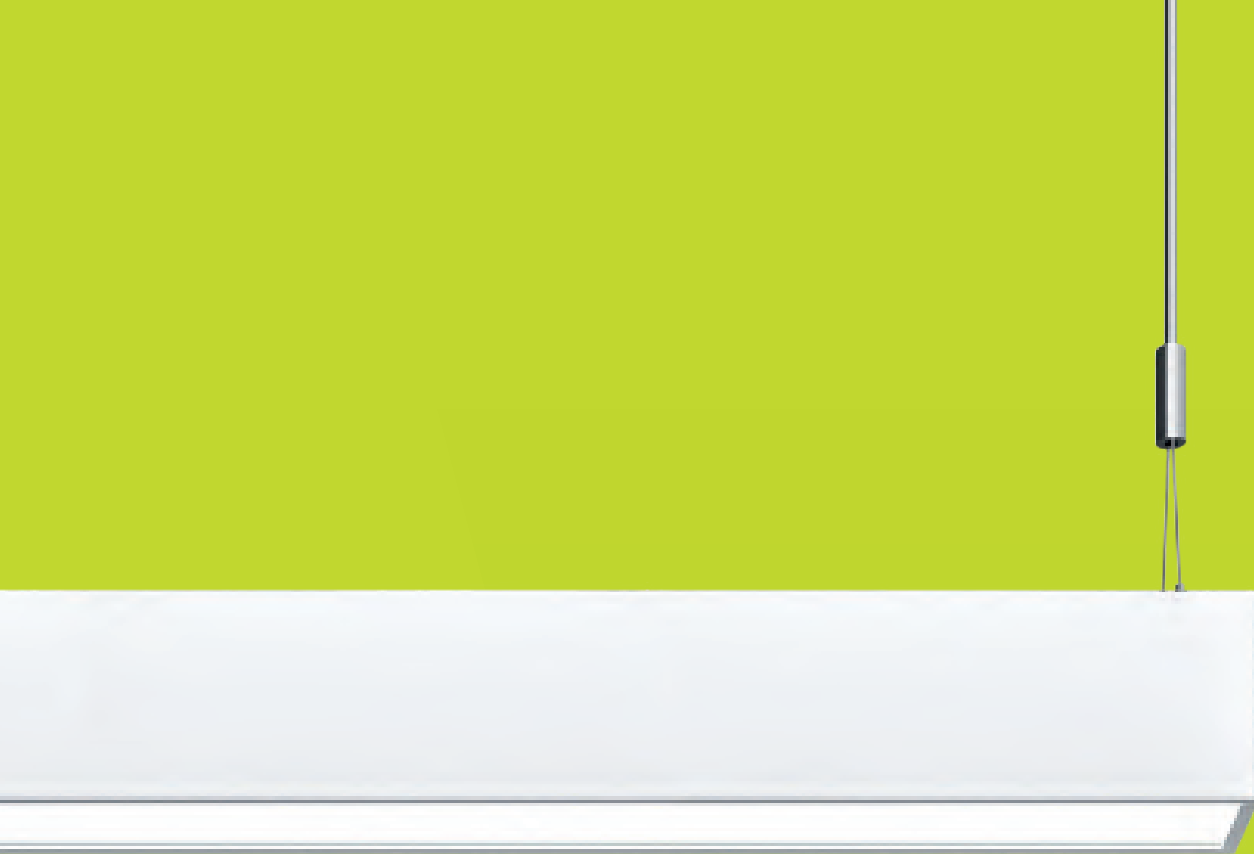


Article name	Ø [mm]	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]	EEC
VTFS 10.1030	158	3000	15	1050	70	Ø 142	1 - 25	0.52	A
VTFM 10.1530	200	3000	21	1720	70	Ø 175	1 - 20	0.84	A+
VTFL 10.2530	230	3000	32	2850	70	Ø 205	1 - 20	1.00	A+

Accessories

Article name	Description
ZDAR 145.165-225	VTFS spacing ring for ceiling cut-outs from 165 to 225 mm
ZDAR 175.215-275	VTFM spacing ring for ceiling cut-outs from 215 to 275 mm
ZDAR 207.250-310	VTFL spacing ring for ceiling cut-outs from 250 to 310 mm

Further product informations you will find under www.lts-light.eu/2154, [2153](http://www.lts-light.eu/2153) or [2152](http://www.lts-light.eu/2152)

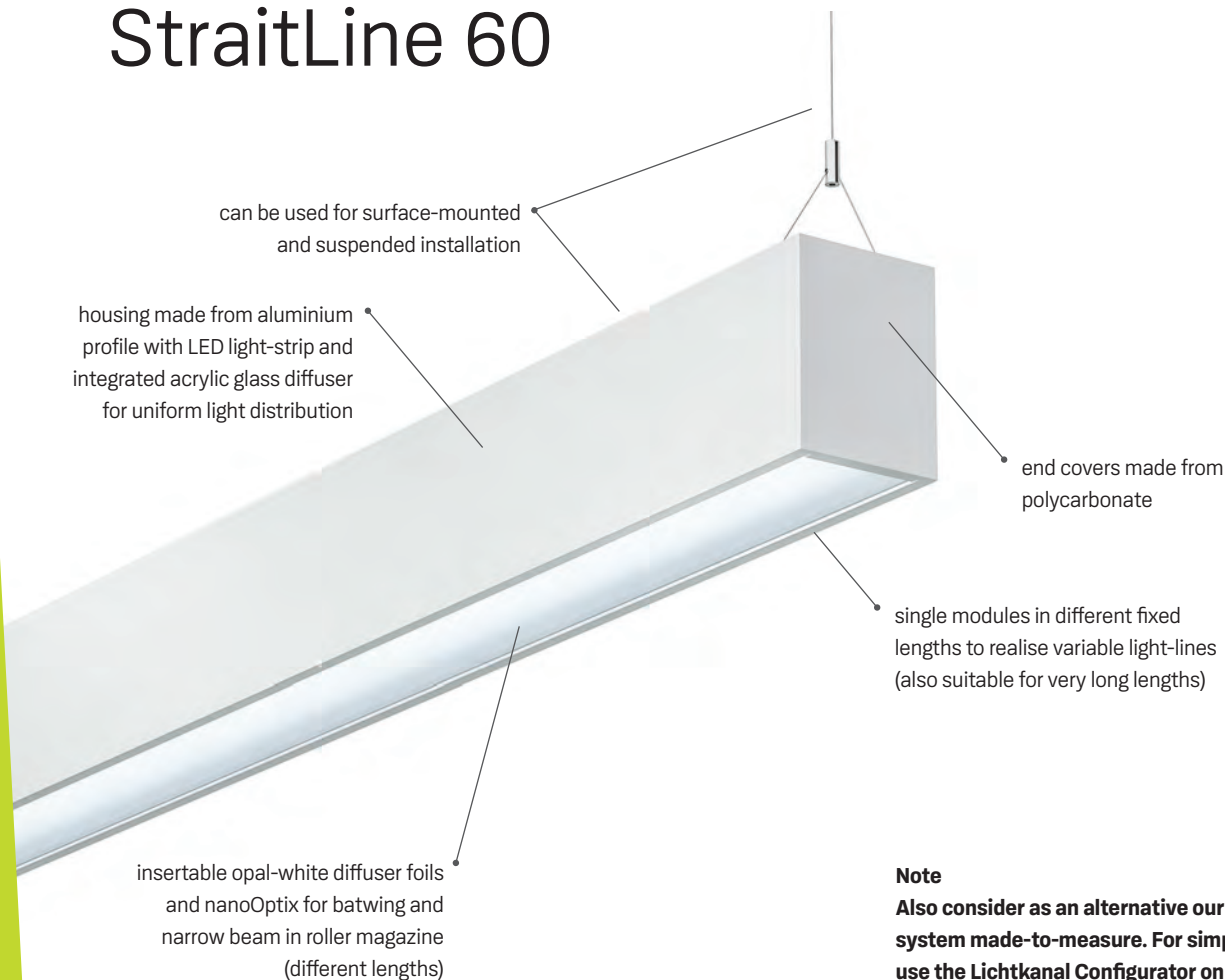


LIGHTING SYSTEMS

www.lts-light.com/lighting-systems

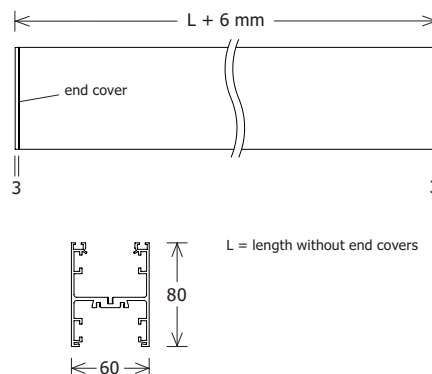


StraitLine 60



Note

Also consider as an alternative our Lichtkanal system made-to-measure. For simple planning use the Lichtkanal Configurator on our website. Further informations on page 142.



Standard options



Special options





Jaguar Landrover Classic Cars, Essen, GER · Planning: Hamacher Daub & Partner · Photo: Jaguar Land Rover Classic Deutschland

Range selection



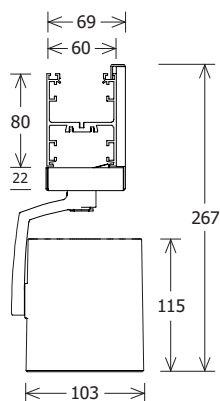
Article name	Length [mm]	CCT [K]	System power [W]	Luminous flux [lm]	Weight [kg]	Feature	EEC
STRL 607.40.03	845	4000	13	1320	2.55	not suitable for mounting spotlight	A+
STRL 607.40.04	1125	4000	18	1750	3.33	suitable for max. 1 mounting spotlight	A+
STRL 607.40.05	1405	4000	22	2190	3.88	suitable for max. 2 mounting spotlights	A+
STRL 607.40.08	2250	4000	34	3500	6.37	suitable for max. 2 mounting spotlights	A+
STRL 607.40.12	3375	4000	51	5250	9.34	suitable for max. 3 mounting spotlights	A+
STRL 610.40.03	845	4000	26	2620	2.55	not suitable for mounting spotlight	A+
STRL 610.40.04	1125	4000	35	3500	3.33	suitable for max. 1 mounting spotlight	A+
STRL 610.40.05	1405	4000	43	4370	3.88	suitable for max. 2 mounting spotlights	A+
STRL 610.40.08	2250	4000	68	6990	6.37	suitable for max. 2 mounting spotlights	A+
STRL 610.40.12	3375	4000	102	10480	9.34	suitable for max. 3 mounting spotlights	A+
STRL 611.40.03	845	4000	46	4450	2.55	not suitable for mounting spotlight	A+
STRL 611.40.04	1125	4000	62	5930	3.33	suitable for max. 1 mounting spotlight	A+
STRL 611.40.05	1405	4000	77	7410	3.88	suitable for max. 2 mounting spotlights	A+
STRL 611.40.08	2250	4000	124	11860	6.37	suitable for max. 2 mounting spotlights	A+
STRL 611.40.12	3375	4000	186	17790	9.34	suitable for max. 3 mounting spotlights	A+

Accessories

Article name	Description
STRL 690.100.05	feeder with plug-ready cable (3-core, length: 5000 mm) in black, transparent or white
STRL 690.101	end cover (2 pieces, thickness of end cover: 3 mm) in grey, black or white
STRL 690.102	mechanical connectors (4 pieces)
STRL 690.103.03	wire-rope suspension (2 pieces, length: 3000 mm)
STRL 690.104	surface-mounting clamps (2 pieces, mounting distance: max. 2000 mm) in silver, black or white
STRL-LK060 690.120.xx	foil Wide Beam with different lengths in roller magazine (length: 3/5/10/15/25/30 m, opal, can be shortened)
STRL-LK060 690.123.xx	foil nanoOptix Batwing with different lengths in roller magazine (length: 3/5/10/15/25/30 m, opal, can be shortened)
STRL-LK060 690.126.xx	foli nanoOptix Narrow Beam with different lengths in roller magazine (length: 3/5/10/15/25/30 m, opal, can be shortened)
STRL 690.130.03	dust cover made from opal acrylic glass (length: 845 mm, not suitable in combination with mounting spotlights)
STRL 690.130.04	dust cover made from opal acrylic glass (length: 1125 mm, not suitable in combination with mounting spotlights)
STRL 690.130.05	dust cover made from opal acrylic glass (length: 1405 mm, not suitable in combination with mounting spotlights)
STRL 690.130.08	dust cover made from opal acrylic glass (length: 2250 mm, not suitable in combination with mounting spotlights)
STRL 690.130.12	dust cover made from opal acrylic glass (length: 3375 mm, not suitable in combination with mounting spotlights)

Further product informations you will find under www.lts-light.eu/2824

StraitLine 60 Spot



Standard options



Special options





Pursuits Menswear, Freiburg, GER · Planung: Rosens · Photo: Enrique Salcedo Puerto

Range selection



Article name	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	EEC
STRL-J 103.40.25	25°	4000	30	3430	A++
STRL-J 103.40.35	35°	4000	30	3350	A++
STRL-J 103.40.50	50°	4000	30	3120	A++
STRL-J 105.40.25	25°	4000	50	5760	A++
STRL-J 105.40.35	35°	4000	50	5700	A++
STRL-J 105.40.50	50°	4000	50	5230	A++

Accessories

Article name	Description
FOCUS 100.1	superior optic with focusable biconvex lens for accent lighting
ZBK 96	anti-glare flaps
ZBW 83	honeycomb louvre



Further product informations you will find under www.lts-light.eu/2825



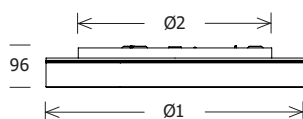
CEILING & PENDANT LUMINAIRES

www.lts-light.com/ceiling-and-pendant-luminaires



Lunata Direct-Indirect

with Light Effect Ring



Standard options



Special options





Stiftung Liebenau, Meckenbeuren, GER · Planning: Ingenieurbüro Werner Schwarz

Range selection

L80 B20
50 000 h

CRI 80
SDCM3

DALI

IP20

Article name	Feature	Ø [mm]	CCT [K]	System power [W]	Luminous flux [lm]	Fixing	Weight [kg]	EEC
LUNXXS 40.010.40.1/DALI	Lunata XXSmall	Ø1 = 315 / Ø2 = 213	4000	11	1150	L 83/1500 DIM / L 83/1500 DIM	2.97	A++
LUNXXS 40.020.40.1/DALI	Lunata XXSmall	Ø1 = 315 / Ø2 = 213	4000	21	2170	L 83/1500 DIM / L 83/1500 DIM	2.97	A++
LUNXS 40.020.40.1/DALI	Lunata XSmall	Ø1 = 400 / Ø2 = 213	4000	12	1250	L 83/1500 DIM / L 83/1500 DIM	4.12	A++
LUNXS 40.040.40.1/DALI	Lunata XSmall	Ø1 = 400 / Ø2 = 213	4000	22	2280	L 83/1500 DIM / L 83/1500 DIM	4.12	A++
LUNS 40.025.40.1/DALI	Lunata Small	Ø1 = 556 / Ø2 = 450	4000	19	2240	L 72/1500 DIM / L 72/3000 DIM	8.04	A++
LUNS 40.040.40.1/DALI	Lunata Small	Ø1 = 556 / Ø2 = 450	4000	38	4480	L 72/1500 DIM / L 72/3000 DIM	8.04	A++
LUNM 40.040.40.1/DALI	Lunata Medium	Ø1 = 856 / Ø2 = 675	4000	36	4520	L 72/3000 DIM	14.90	A++
LUNM 40.060.40.1/DALI	Lunata Medium	Ø1 = 856 / Ø2 = 675	4000	72	9040	L 72/3000 DIM	14.90	A++
LUNL 40.060.40.1/DALI	Lunata Large	Ø1 = 1134 / Ø2 = 910	4000	49	6650	L 82/3000 DIM	25.86	A++
LUNL 40.115.40.1/DALI	Lunata Large	Ø1 = 1134 / Ø2 = 910	4000	98	13290	L 82/3000 DIM	25.86	A++

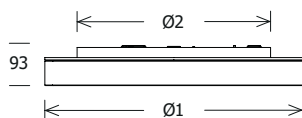
Accessories

Article name	Description
L 83/1500 DIM	wire-rope suspension 3-fold (length: 1500 mm, 5-core cable)
L 83/3000 DIM	wire-rope suspension 3-fold (length: 3000 mm, 5-core cable)
L 72/1500 DIM	wire-rope suspension 4-fold (length: 1500 mm, 5-core cable)
L 72/3000 DIM	wire-rope suspension 4-fold (length: 3000 mm, 5-core cable)
L 82/3000 DIM	wire-rope suspension 6-fold (length: 3000 mm, 5-core cable)

Further product informations you will find under www.lts-light.eu/2421, [2429](http://www.lts-light.eu/2429), [2415](http://www.lts-light.eu/2415), [2416](http://www.lts-light.eu/2416) or [2417](http://www.lts-light.eu/2417)

Lunata Direct

without Light Effect Ring



Standard options



Special options





LO-Borgen, Stockholm, SE · Photo: Stockholms Enskilda Reklambyrå

Range selection



Article name	Feature	Ø [mm]	CCT [K]	System power [W]	Luminous flux [lm]	Fixing	Weight [kg]	EEC
LUNXS 10.010.40.1/DALI	Lunata XXSmall	Ø1 = 315 / Ø2 = 213	4000	11	1150	L 83/1500 DIM / L 83/1500 DIM	2.97	A++
LUNXS 10.020.40.1/DALI	Lunata XXSmall	Ø1 = 315 / Ø2 = 213	4000	21	2170	L 83/1500 DIM / L 83/1500 DIM	2.97	A++
LUNXS 10.020.40.1/DALI	Lunata XSmall	Ø1 = 400 / Ø2 = 213	4000	12	1250	L 83/1500 DIM / L 83/1500 DIM	4.12	A++
LUNXS 10.040.40.1/DALI	Lunata XSmall	Ø1 = 400 / Ø2 = 213	4000	22	2280	L 83/1500 DIM / L 83/1500 DIM	4.12	A++
LUNS 10.025.40.1/DALI	Lunata Small	Ø1 = 556 / Ø2 = 450	4000	19	2240	L 72/1500 DIM / L 72/3000 DIM	8.04	A++
LUNS 10.040.40.1/DALI	Lunata Small	Ø1 = 556 / Ø2 = 450	4000	38	4480	L 72/1500 DIM / L 72/3000 DIM	8.04	A++
LUNM 10.040.40.1/DALI	Lunata Medium	Ø1 = 856 / Ø2 = 675	4000	36	4520	L 72/3000 DIM	14.90	A++
LUNM 10.060.40.1/DALI	Lunata Medium	Ø1 = 856 / Ø2 = 675	4000	72	9040	L 72/3000 DIM	14.90	A++
LUNL 10.060.40.1/DALI	Lunata Large	Ø1 = 1134 / Ø2 = 910	4000	49	6650	L 82/3000 DIM	25.86	A++
LUNL 10.115.40.1/DALI	Lunata Large	Ø1 = 1134 / Ø2 = 910	4000	98	13290	L 82/3000 DIM	25.86	A++

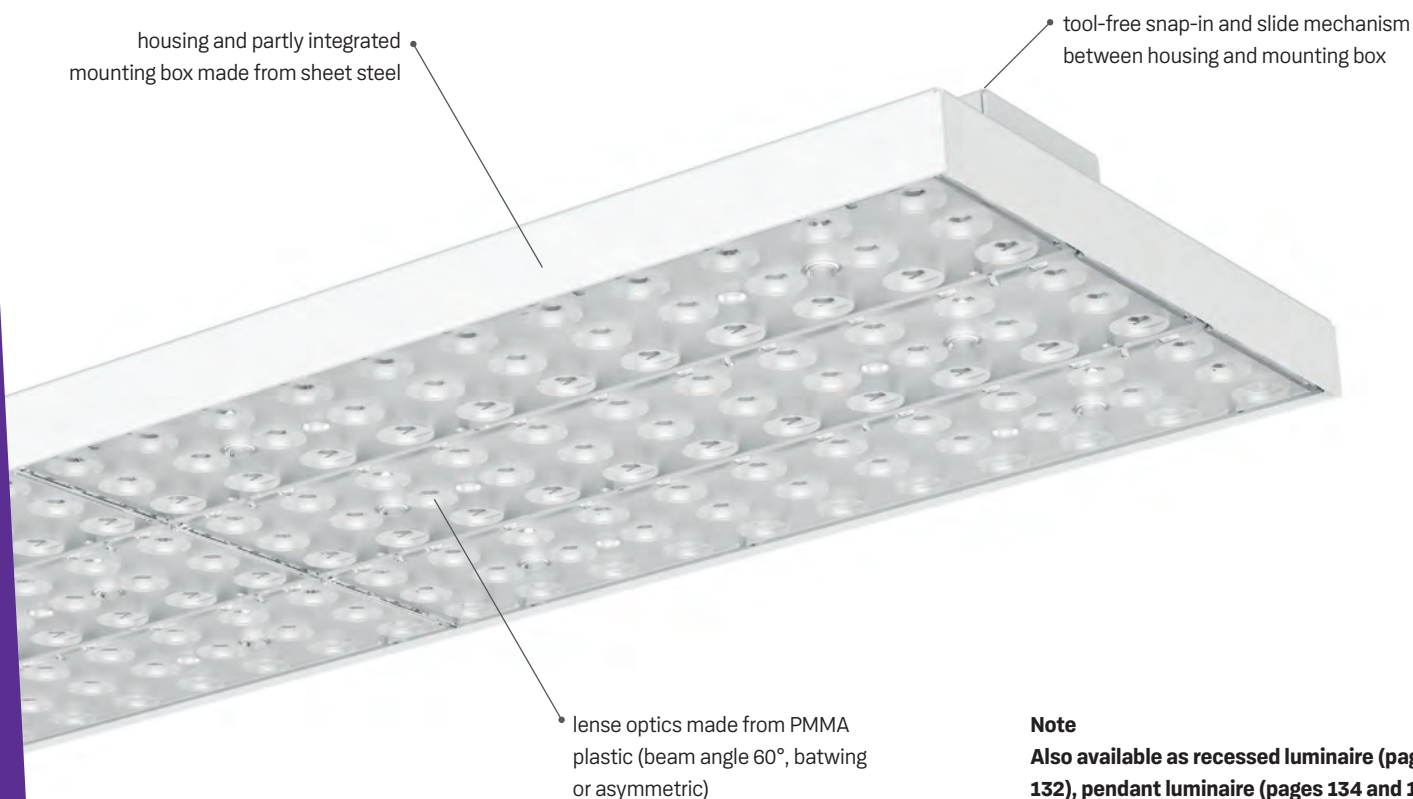
Accessories

Article name	Description
L 83/1500 DIM	wire-rope suspension 3-fold (length: 1500 mm, 5-core cable)
L 83/3000 DIM	wire-rope suspension 3-fold (length: 3000 mm, 5-core cable)
L 72/1500 DIM	wire-rope suspension 4-fold (length: 1500 mm, 5-core cable)
L 72/3000 DIM	wire-rope suspension 4-fold (length: 3000 mm, 5-core cable)
L 82/3000 DIM	wire-rope suspension 6-fold (length: 3000 mm, 5-core cable)

Further product informations you will find under www.lts-light.eu/2429, [2421](http://www.lts-light.eu/2421), [2415](http://www.lts-light.eu/2415), [2416](http://www.lts-light.eu/2416) or [2417](http://www.lts-light.eu/2417)

LUZ

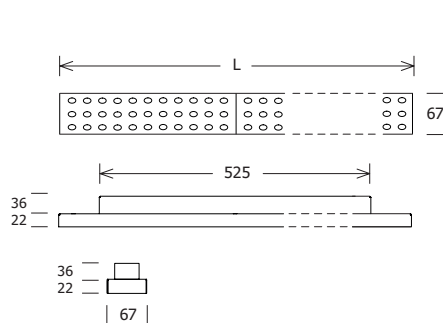
Surface-Mounted



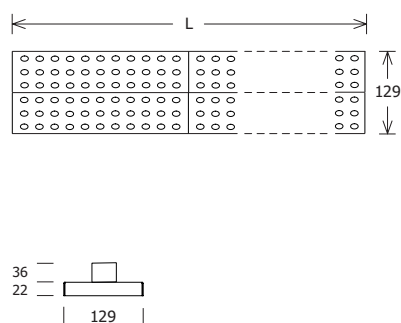
Note

Also available as recessed luminaire (page 132), pendant luminaire (pages 134 and 138) or track-mounted luminaire (page 136).

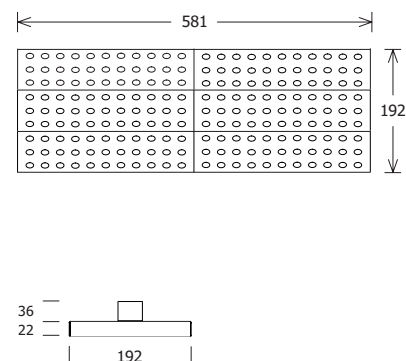
1-row



2-row



3-row



Standard options



Special options





ritter. architekten + planungsbüro, Bochum, GER · Photo: BECKDESIGN

Range selection

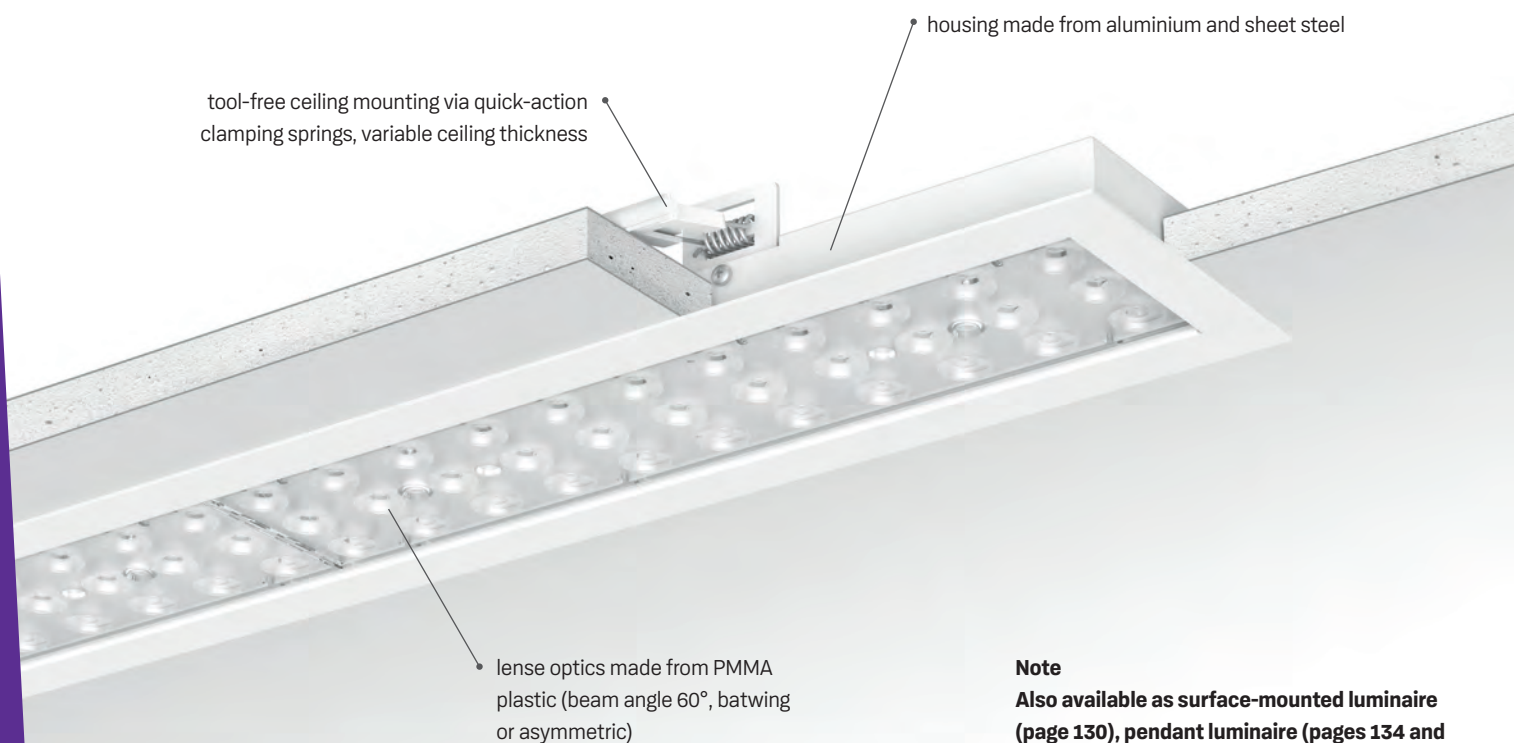


Article name	Feature	L x B [mm]	CCT [K]	System power [W]	Luminous flux [lm]	Weight [kg]	EEC
LUZ06-A 12.007.40	1-row/2-length, power stage 1	581 x 67	4000	12	1650	1.68	A++
LUZ06-A 12.013.40	1-row/2-length, power stage 2	581 x 67	4000	24	3290	1.68	A++
LUZ06-A 13.007.40	1-row/3-length, power stage 1	867 x 67	4000	18	2470	2.31	A++
LUZ06-A 13.013.40	1-row/3-length, power stage 2	867 x 67	4000	36	4940	2.31	A++
LUZ06-A 14.007.40	1-row/4-length, power stage 1	1153 x 67	4000	24	3290	2.63	A++
LUZ06-A 14.013.40	1-row/4-length, power stage 2	1153 x 67	4000	48	6580	2.63	A++
LUZ06-A 15.007.40	1-row/5-length, power stage 1	1439 x 67	4000	30	4110	3.13	A++
LUZ06-A 15.013.40	1-row/5-length, power stage 2	1439 x 67	4000	60	8220	3.13	A++
LUZ06-A 22.007.40	2-row/2-length, power stage 1	581 x 129	4000	24	3290	2.43	A++
LUZ06-A 22.013.40	2-row/2-length, power stage 2	581 x 129	4000	48	6580	2.43	A++
LUZ06-A 23.007.40	2-row/3-length, power stage 1	867 x 129	4000	36	4940	3.23	A++
LUZ06-A 23.013.40	2-row/3-length, power stage 2	867 x 129	4000	72	9870	3.23	A++
LUZ06-A 32.007.40	3-row/2-length, power stage 1	581 x 192	4000	36	4940	3.23	A++
LUZ06-A 32.013.40	3-row/2-length, power stage 2	581 x 192	4000	72	9870	3.23	A++

Further product informations you will find under www.lts-light.eu/2430

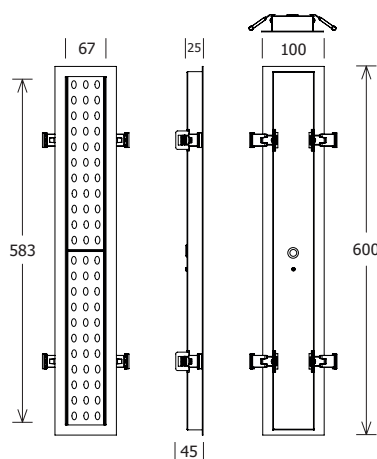
LUZ

Recessed Standard



Note

Also available as surface-mounted luminaire (page 130), pendant luminaire (pages 134 and 138) or track-mounted luminaire (page 136).



Standard options



Special options





Range selection

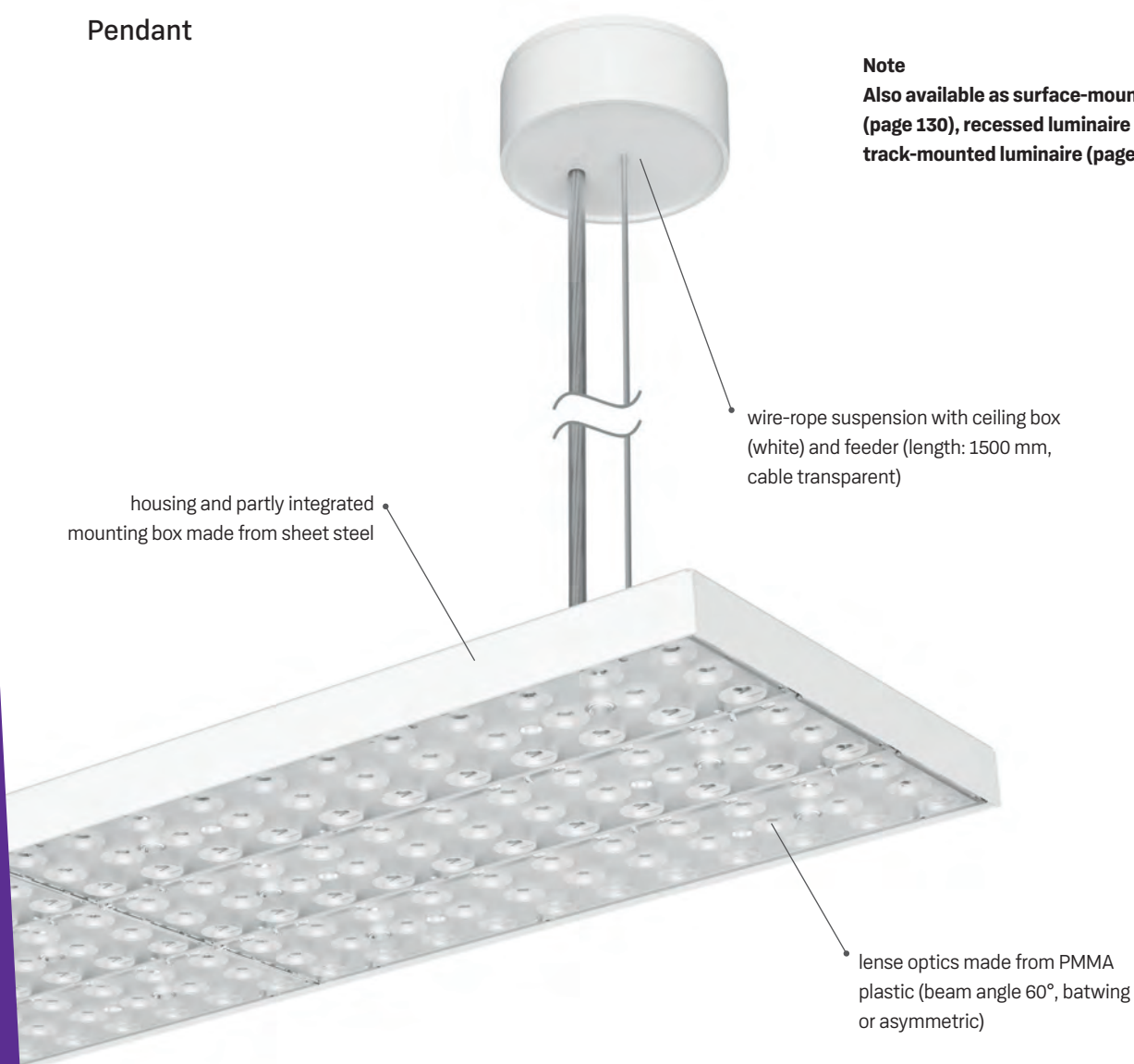


Article name	Feature	CCT [K]	System power [W]	Luminous flux [lm]	UGR	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	EEC
LUZ06M-ES 12.013.40	1-row/2-length, power stage 1	4000	25	3290	19.0	90	588 x 80	1 - 25	A++
LUZ06M-ES 12.019.40	1-row/2-length, power stage 2	4000	37	4780		90	588 x 80	1 - 25	A++

Further product informations you will find under www.lts-light.eu/2438

LUZ

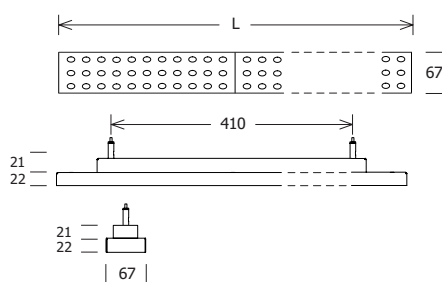
Pendant



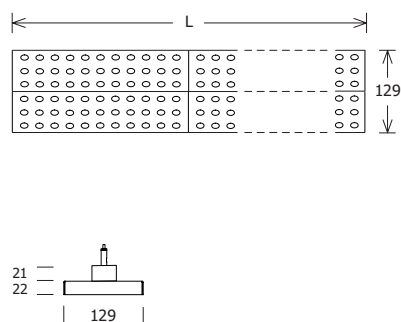
Note

Also available as surface-mounted luminaire (page 130), recessed luminaire (page 132) or track-mounted luminaire (pages 136 and 138).

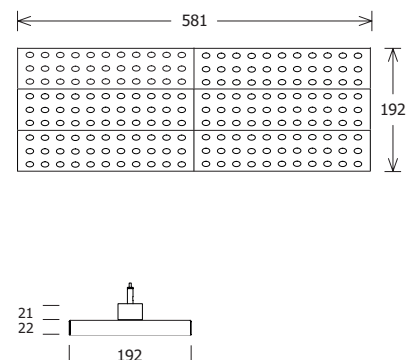
1-row



2-row



3-row



Standard options



Special options





Range selection

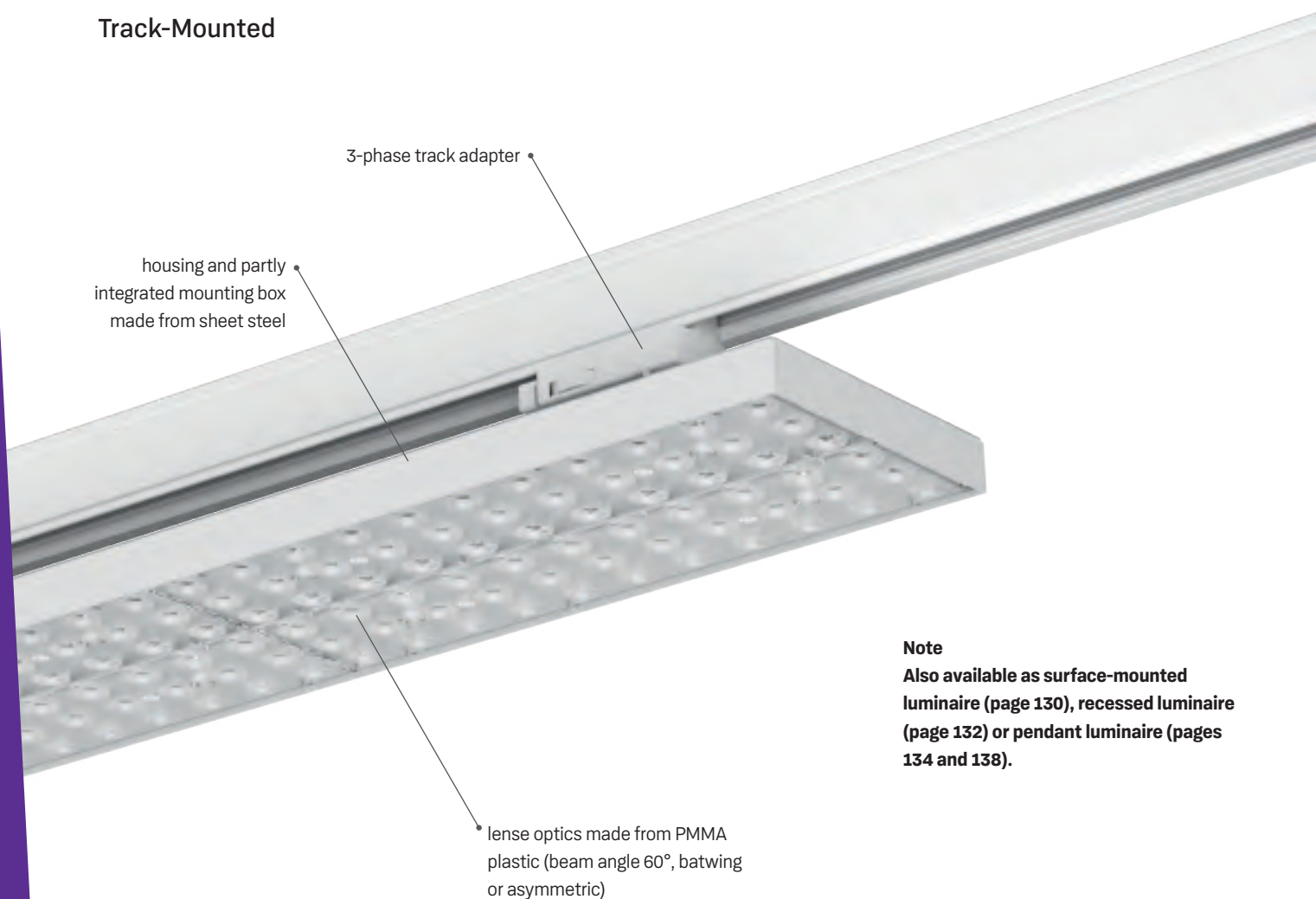


Article name	Feature	L x B [mm]	CCT [K]	System power [W]	Luminous flux [lm]	Weight [kg]	EEC
LUZ06-D 12.007.40	1-row/2-length, power stage 1	581 x 67	4000	12	1650	2.01	A++
LUZ06-D 12.013.40	1-row/2-length, power stage 2	581 x 67	4000	24	3290	2.01	A++
LUZ06-D 13.007.40	1-row/3-length, power stage 1	867 x 67	4000	18	2470	2.64	A++
LUZ06-D 13.013.40	1-row/3-length, power stage 2	867 x 67	4000	36	4940	2.64	A++
LUZ06-D 14.007.40	1-row/4-length, power stage 1	1153 x 67	4000	24	3290	3.09	A++
LUZ06-D 14.013.40	1-row/4-length, power stage 2	1153 x 67	4000	48	6580	3.09	A++
LUZ06-D 15.007.40	1-row/5-length, power stage 1	1439 x 67	4000	30	4110	3.67	A++
LUZ06-D 15.013.40	1-row/5-length, power stage 2	1439 x 67	4000	60	8220	3.67	A++
LUZ06-D 22.007.40	2-row/2-length, power stage 1	581 x 129	4000	24	3290	2.76	A++
LUZ06-D 22.013.40	2-row/2-length, power stage 2	581 x 129	4000	48	6580	2.76	A++
LUZ06-D 23.007.40	2-row/3-length, power stage 1	867 x 129	4000	36	4940	3.61	A++
LUZ06-D 23.013.40	2-row/3-length, power stage 2	867 x 129	4000	72	9870	3.61	A++
LUZ06-D 32.007.40	3-row/2-length, power stage 1	581 x 192	4000	36	4940	3.61	A++
LUZ06-D 32.013.40	3-row/2-length, power stage 2	581 x 192	4000	72	9870	3.61	A++

Further product informations you will find under www.lts-light.eu/2645

LUZ

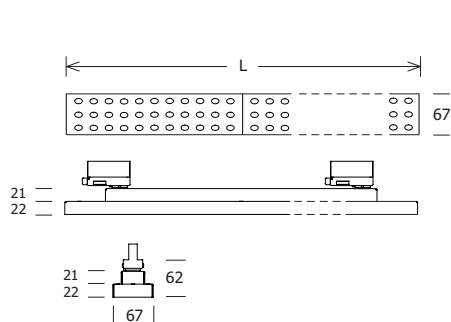
Track-Mounted



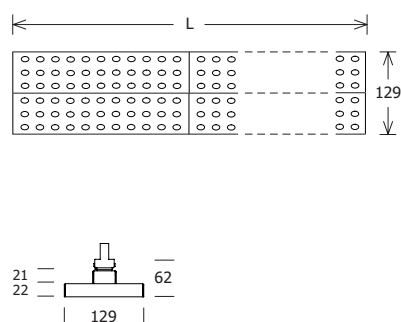
Note

Also available as surface-mounted luminaire (page 130), recessed luminaire (page 132) or pendant luminaire (pages 134 and 138).

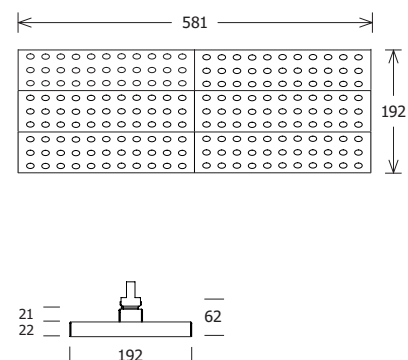
1-row



2-row



3-row



Standard options



Special options





PLANA Küchenland, Pforzheim, GER · Photo: Juergen Pollak · Photographie & Film

Range selection

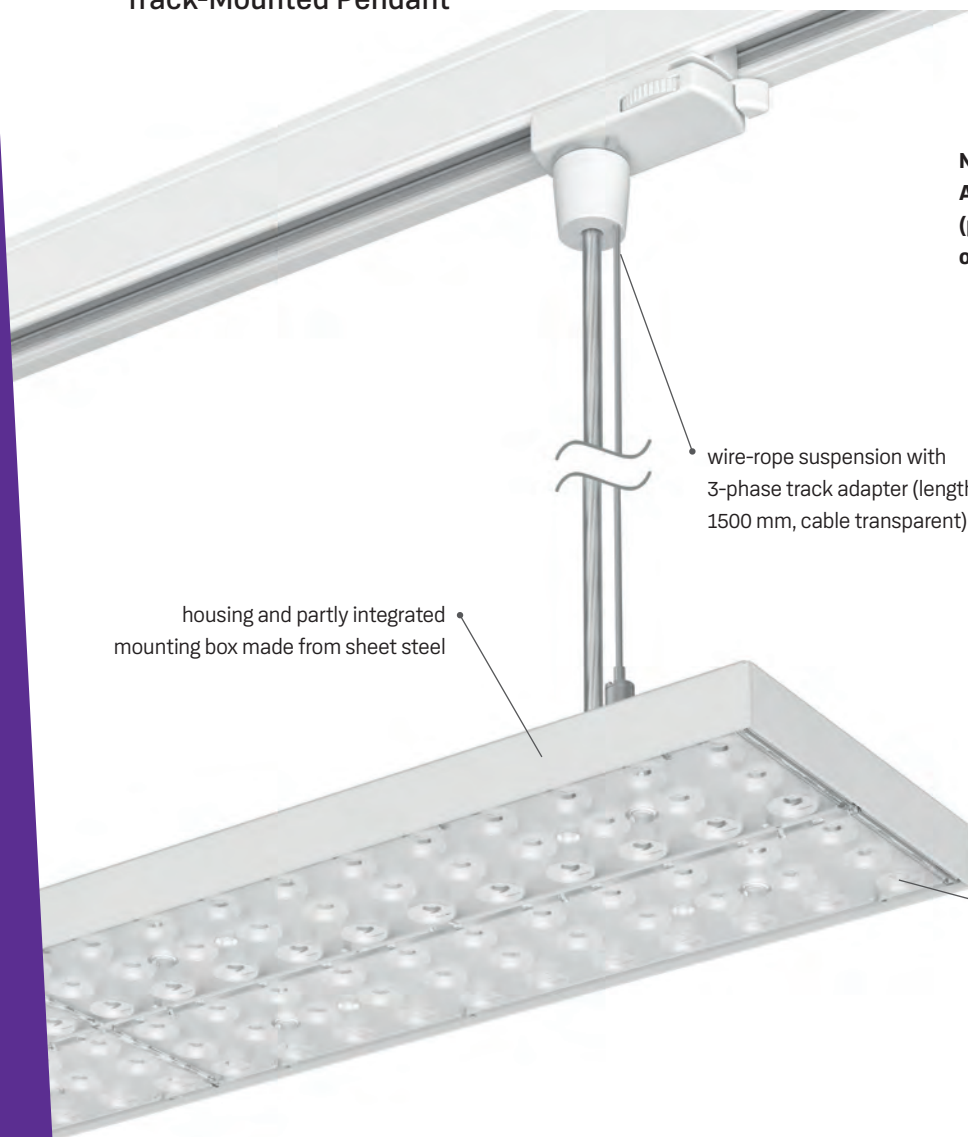


Article name	Feature	L x B [mm]	CCT [K]	System power [W]	Luminous flux [lm]	Weight [kg]	EEC
LUZ06-T 12.007.40	1-row/2-length, power stage 1	581 x 67	4000	12	1650	1.71	A++
LUZ06-T 12.013.40	1-row/2-length, power stage 2	581 x 67	4000	24	3290	1.71	A++
LUZ06-T 13.007.40	1-row/3-length, power stage 1	867 x 67	4000	18	2470	2.34	A++
LUZ06-T 13.013.40	1-row/3-length, power stage 2	867 x 67	4000	36	4940	2.34	A++
LUZ06-T 14.007.40	1-row/4-length, power stage 1	1153 x 67	4000	24	3290	2.66	A++
LUZ06-T 14.013.40	1-row/4-length, power stage 2	1153 x 67	4000	48	6580	2.66	A++
LUZ06-T 15.007.40	1-row/5-length, power stage 1	1439 x 67	4000	30	4110	3.16	A++
LUZ06-T 15.013.40	1-row/5-length, power stage 2	1439 x 67	4000	60	8220	3.16	A++
LUZ06-T 22.007.40	2-row/2-length, power stage 1	581 x 129	4000	24	3290	2.46	A++
LUZ06-T 22.013.40	2-row/2-length, power stage 2	581 x 129	4000	48	6580	2.46	A++
LUZ06-T 23.007.40	2-row/3-length, power stage 1	867 x 129	4000	36	4940	3.26	A++
LUZ06-T 23.013.40	2-row/3-length, power stage 2	867 x 129	4000	72	9870	3.26	A++
LUZ06-T 32.007.40	3-row/2-length, power stage 1	581 x 192	4000	36	4940	3.26	A++
LUZ06-T 32.013.40	3-row/2-length, power stage 2	581 x 192	4000	72	9870	3.26	A++

Further product informations you will find under www.lts-light.eu/2431

LUZ

Track-Mounted Pendant

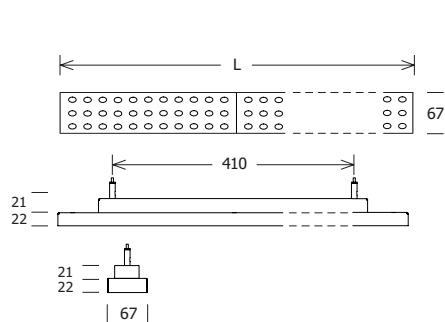


Note

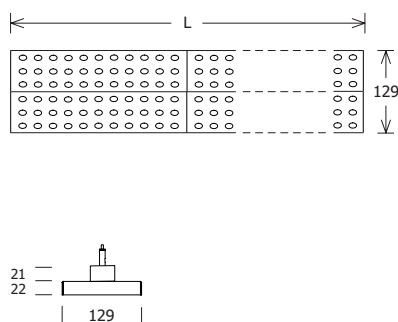
Also available as surface-mounted luminaire (pages 130 and 136), recessed luminaire (page 132) or pendant luminaire (page 134).

lense optics made from PMMA plastic (beam angle 60°, batwing or asymmetric)

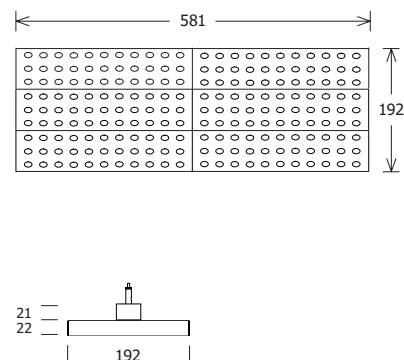
1-row



2-row



3-row



Standard options



Special options





VR-Bank, Würzburg, GER

Range selection



Article name	Feature	L x B [mm]	CCT [K]	System power [W]	Luminous flux [lm]	Weight [kg]	EEC
LUZ06-P 12.007.40	1-row/2-length, power stage 1	581 x 67	4000	12	1650	1.76	A++
LUZ06-P 12.013.40	1-row/2-length, power stage 2	581 x 67	4000	24	3290	1.76	A++
LUZ06-P 13.007.40	1-row/3-length, power stage 1	867 x 67	4000	18	2470	2.26	A++
LUZ06-P 13.013.40	1-row/3-length, power stage 2	867 x 67	4000	36	4940	2.26	A++
LUZ06-P 14.007.40	1-row/4-length, power stage 1	1153 x 67	4000	24	3290	2.80	A++
LUZ06-P 14.013.40	1-row/4-length, power stage 2	1153 x 67	4000	48	6580	2.80	A++
LUZ06-P 15.007.40	1-row/5-length, power stage 1	1439 x 67	4000	30	4110	3.26	A++
LUZ06-P 15.013.40	1-row/5-length, power stage 2	1439 x 67	4000	60	8220	3.26	A++
LUZ06-P 22.007.40	2-row/2-length, power stage 1	581 x 129	4000	24	3290	2.58	A++
LUZ06-P 22.013.40	2-row/2-length, power stage 2	581 x 129	4000	48	6580	2.58	A++
LUZ06-P 23.007.40	2-row/3-length, power stage 1	867 x 129	4000	36	4940	3.46	A++
LUZ06-P 23.013.40	2-row/3-length, power stage 2	867 x 129	4000	72	9870	3.46	A++
LUZ06-P 32.007.40	3-row/2-length, power stage 1	581 x 192	4000	36	4940	3.36	A++
LUZ06-P 32.013.40	3-row/2-length, power stage 2	581 x 192	4000	72	9870	3.36	A++

Further product informations you will find under www.lts-light.eu/2644

Monoline 070

Surface-Mounted & Pendant

housing made from aluminium profile
Note: The linear thermal expansion of the aluminium profile is about 0.3 mm per meter at $dT = 10$ Kelvin. IP40 only applies in combination with mounted acrylic glass profile.

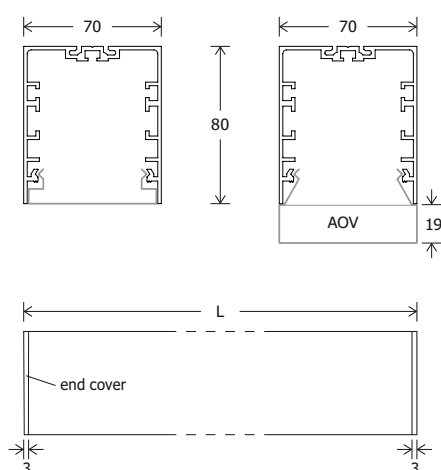
can be used as ceiling, wall or pendant luminaire (wire-rope suspension and wall bracket to be ordered separately, ceiling box in the same colour as the luminaire)

Note

Also available as light trunking system made-to-measure in different sizes and mounting methods. For simple planning use the Lichtkanal Configurator on our website. Further information on page 142.

end covers made from die-cast zinc

optionally available with acrylic glass diffusers opal flush (AOB), prismatic flush (APB) and opal protruding (AOV), acrylic glass diffusers with profile guide and tool-free snap-in technology, symmetric light distribution and illumination



Standard options



Special options



Range selection



Article name	Feature	Length [mm]	CCT [K]	System power [W]	Luminous flux [lm]	Weight [kg]	EEC
ML-A 070.0740.08 AOB	diffuser opal flush / power stage 1	855	4000	12	1110	2.80	A+
ML-A 070.0740.08 APB	diffuser prismatic flush / power stage 1	855	4000	12	1040	2.80	A+
ML-A 070.0740.08 AOV	diffuser opal protruding / power stage 1	855	4000	12	1250	3.10	A+
ML-A 070.0740.11 AOB	diffuser opal flush / power stage 1	1136	4000	14	1380	3.60	A+
ML-A 070.0740.11 APB	diffuser prismatic flush / power stage 1	1136	4000	14	1300	3.60	A+
ML-A 070.0740.11 AOV	diffuser opal protruding / power stage 1	1136	4000	14	1560	4.00	A+
ML-A 070.0740.14 AOB	diffuser opal flush / power stage 1	1416	4000	17	1780	4.30	A++
ML-A 070.0740.14 APB	diffuser prismatic flush / power stage 1	1416	4000	17	1680	4.30	A+
ML-A 070.0740.14 AOV	diffuser opal protruding / power stage 1	1416	4000	17	2000	4.80	A+
ML-A 070.1040.08 AOB	diffuser opal flush / power stage 2	855	4000	15	1510	2.80	A+
ML-A 070.1040.08 APB	diffuser prismatic flush / power stage 2	855	4000	15	1420	2.80	A+
ML-A 070.1040.08 AOV	diffuser opal protruding / power stage 2	855	4000	15	1710	3.10	A++
ML-A 070.1040.11 AOB	diffuser opal flush / power stage 2	1136	4000	20	2010	3.60	A+
ML-A 070.1040.11 APB	diffuser prismatic flush / power stage 2	1136	4000	20	1890	3.60	A+
ML-A 070.1040.11 AOV	diffuser opal protruding / power stage 2	1136	4000	20	2270	4.00	A++
ML-A 070.1040.14 AOB	diffuser opal flush / power stage 2	1416	4000	25	2520	4.30	A+
ML-A 070.1040.14 APB	diffuser prismatic flush / power stage 2	1416	4000	25	2370	4.30	A+
ML-A 070.1040.14 AOV	diffuser opal protruding / power stage 2	1416	4000	25	2840	4.80	A++
ML-A 070.1140.08 AOB	diffuser opal flush / power stage 3	855	4000	36	3280	2.80	A+
ML-A 070.1140.08 APB	diffuser prismatic flush / power stage 3	855	4000	36	3080	2.80	A+
ML-A 070.1140.08 AOV	diffuser opal protruding / power stage 3	855	4000	36	3500	3.10	A+
ML-A 070.1140.11 AOB	diffuser opal flush / power stage 3	1136	4000	48	4380	3.60	A+
ML-A 070.1140.11 APB	diffuser prismatic flush / power stage 3	1136	4000	48	4120	3.60	A+
ML-A 070.1140.11 AOV	diffuser opal protruding / power stage 3	1136	4000	48	4650	4.00	A+
ML-A 070.1140.14 AOB	diffuser opal flush / power stage 3	1416	4000	60	5540	4.30	A+
ML-A 070.1140.14 APB	diffuser prismatic flush / power stage 3	1416	4000	60	5210	4.30	A+
ML-A 070.1140.14 AOV	diffuser opal protruding / power stage 3	1416	4000	60	6010	4.80	A+

Accessories

Article name	Description
LK-Z 070.103.03	wire-rope suspension with feeder and transparent connecting cable (length: 3000 mm)
LK-Z 070.103.05	wire-rope suspension with feeder and transparent connecting cable (length: 5000 mm)
LK-Z 070.104.03	wire-rope suspension (length: 3000 mm)
LK-Z 070.104.05	wire-rope suspension (length: 5000 mm)
LK-Z 070.114	wall bracket (1 piece)

Further product informations you will find under www.lts-light.eu/2425

LIGHT ALL ALONG THE LINE

THE LICHTKANAL FAMILY



Lichtkanal is our architectural light line with individuality taking centre stage. It fits subtly into building structures or deliberately stages them according to the chosen arrangement. Lichtkanal is available in four different basic types. It can be recessed, surface-mounted or suspended. With Lichtkanal 060 there is a system available that enables direct-indirect illumination.

The lighting inserts can be chosen as needed. They differ in terms of their performance and colour temperature. All lighting tasks can be tackled with thoughtfully designed acrylic glass diffusers, films or the patented nanoOptix microstructure film. For example, the innovative nanoOptix film is suitable for longer light lengths with no impact from visible edges – an aesthetic advantage that should not be underestimated.

Lichtkanal is always customised and produced to order in terms of its length and shape. This means that it perfectly adapts to any given structural conditions.



Download the new Lichtkanal brochure now:
www.lts-light.com/downloads/brochures

STEP BY STEP

THE LICHTKANAL CONFIGURATOR

The configurator helps in determining the right Lichtkanal. Key requirements, such as mounting type, colour temperature, colour or controls are obtained and summarised in a product proposal. It enables orthogonal special variants to be created. Each design also comes with the data sheets of the items used and a cost estimate. The configurator helps in determining the right Lichtkanal. Key requirements, such as mounting type, colour temperature, colour or controls are obtained and summarised in a product proposal. It enables orthogonal special variants to be created. Each design also comes with the data sheets of the items used and a cost estimate.



System 01

Mounting type 02

Cover 03

Colour 04

DALI 05

Colour temperature 06

System power & luminous flux 07

Shape 08

Outer length 09



Design your customised Lichtkanal now:
app.lts-light.com/lichtkanal-en

Piano

Pendant

Y-wire-rope suspension 2- or 3-fold with height adjustment (length: 1500 mm), transparent connecting cable (5-core, prepared), ceiling box made from ABS plastic in the same colour as the luminaire

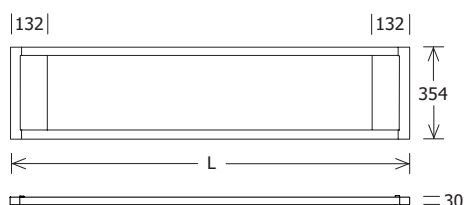
Note

Also available as free-standing luminaire (page 174).

housing made from aluminium and die-cast zinc, optional versions: dimmable DALI, automatic sensors for presence and daylight or with trooping function (communication system between luminaires for light and movement)

modular row installation with further luminaires via optional connection kit (only possible with DALI version, master-slave solutions available on request)

diffuser made from prismatic acrylic glass with side-emitting LEDs (diffuser is completely transparent when switched off), light component: direct 50% / indirect 50%



Standard options



Special options





UNESCO-Welterbe Fagus-Werk, Alfeld, GER · Planning: Elektro Beckmann · Photo: Sven Otte Fotografie

Range selection



Article name	Feature	Length [mm]	CCT [K]	System power [W]	Luminous flux [lm]	UGR	Weight [kg]	EEC
PIANO-P 140.0840/DALI	dimmable DALI	1400	4000	80	8380	19.0	7.29	A++
PIANO-P 140.0840/SENSO	automatic sensors	1400	4000	80	8380	19.0	7.61	A++
PIANO-P 140.0840/TROOP	trooping	1400	4000	80	8380	19.0	7.61	A++
PIANO-P 195.1040/DALI	dimmable DALI	1950	4000	120	12570	19.0	10.11	A++
PIANO-P 195.1040/SENSO	automatic sensors	1950	4000	120	12570	19.0	10.33	A++
PIANO-P 195.1040/TROOP	trooping	1950	4000	120	12570	19.0	10.16	A++
PIANO-P 260.1640/DALI	dimmable DALI	2573	4000	160	16760	18.9	13.83	A++
PIANO-P 260.1640/SENSO	automatic sensors	2573	4000	160	16760	18.9	12.99	A++
PIANO-P 260.1640/TROOP	trooping	2573	4000	160	16760	18.9	13.04	A++

Accessories

Article name	Description
PIANO-Z 090.102	connection kit for row installation of PIANO-P luminaires (only possible with DALI-Version version)
PIANO-Z 090.103	connecting cable for row installation of PIANO-P luminaires (only possible with DALI-Version version)

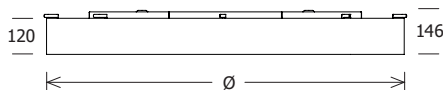
Further product informations you will find under www.lts-light.eu/2627

PL 20

Surface-Mounted & Pendant



Note
Also available as square version
PL 50 (page 158).



Standard options



Special options





Microsoft, London, GB · Planung: TP Bennet LLP · Photo: TP Bennet LLP

Range selection



Article name	Ø [mm]	CCT [K]	System power [W]	Luminous flux [lm]	Fixing	Weight [kg]	EEC
PLL 20.700.40/DALI	700	4000	67	5690	L 68/1500 DIM / L 68/3000 DIM	12.50	A+
PLL 20.900.40/DALI	900	4000	97	7980	L 68/1500 DIM / L 68/3000 DIM	19.00	A+
PLL 20.1180.40/DALI	1180	4000	156	13820	L 68/1500 DIM / L 68/3000 DIM	30.00	A+
PLL 20.1500.40/DALI	1500	4000	265	22270	L 84/3000 DIM	48.00	A+
PLL 20.1800.40/DALI	1800	4000	390	34090	L 84/3000 DIM	71.00	A+

Accessories

Article name	Description
L 68/1500 DIM	wire-rope suspension 4-fold (length: 1500 mm, 5-core cable)
L 68/3000 DIM	wire-rope suspension 4-fold (length: 3000 mm, 5-core cable)
L 84/3000 DIM	wire-rope suspension 8-fold (length: 3000 mm, 5-core cable)

Further product informations you will find under www.lts-light.eu/2604

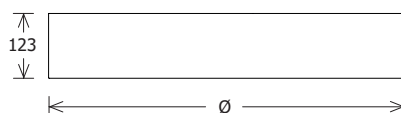
PL 22

Surface-Mounted & Pendant



Note

Also available as recessed luminaires PL 25 and PL 27 (pages 150 and 154), wall luminaire PL 23 (page 182) and direct-indirect versions PL 26 and PL 28 (pages 152 and 156).



Standard options



Special options





Frühlings-Apotheke, Bad Aibling, GER · Planning: Beckert & Soanca-Pollak · Photo: Andreas Huber Fotografie

Range selection



Article name	Ø [mm]	Feature	CCT [K]	System power [W]	Luminous flux [lm]	Fixing	Weight [kg]	EEC
PLL 22.385.40.1/DALI	385	diffuser opal	4000	22	1890	L 71/1500 DIM / L 71/3000 DIM	3.67	A+
PLL 22.385.40.2/DALI	385	diffuser prismatic	4000	22	1370	L 71/1500 DIM / L 71/3000 DIM	3.67	A
PLL 22.475.40.1/DALI	475	diffuser opal	4000	39	3570	L 71/1500 DIM / L 71/3000 DIM	4.73	A+
PLL 22.475.40.2/DALI	475	diffuser prismatic	4000	39	2580	L 71/1500 DIM / L 71/3000 DIM	4.73	A
PLL 22.675.40.1/DALI	675	diffuser opal	4000	75	8030	L 71/1500 DIM / L 71/3000 DIM	9.32	A++
PLL 22.675.40.2/DALI	675	diffuser prismatic	4000	75	5790	L 71/1500 DIM / L 71/3000 DIM	9.32	A+
PLL 22.1000.40.1/DALI	1000	diffuser opal	4000	164	17640	L 71/3000 DIM	19.50	A++
PLL 22.1000.40.2/DALI	1000	diffuser prismatic	4000	164	12710	L 71/3000 DIM	19.50	A+

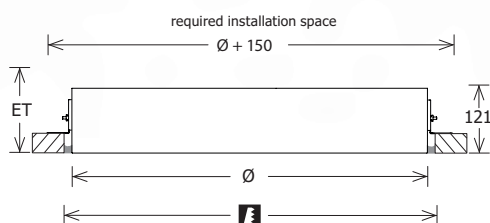
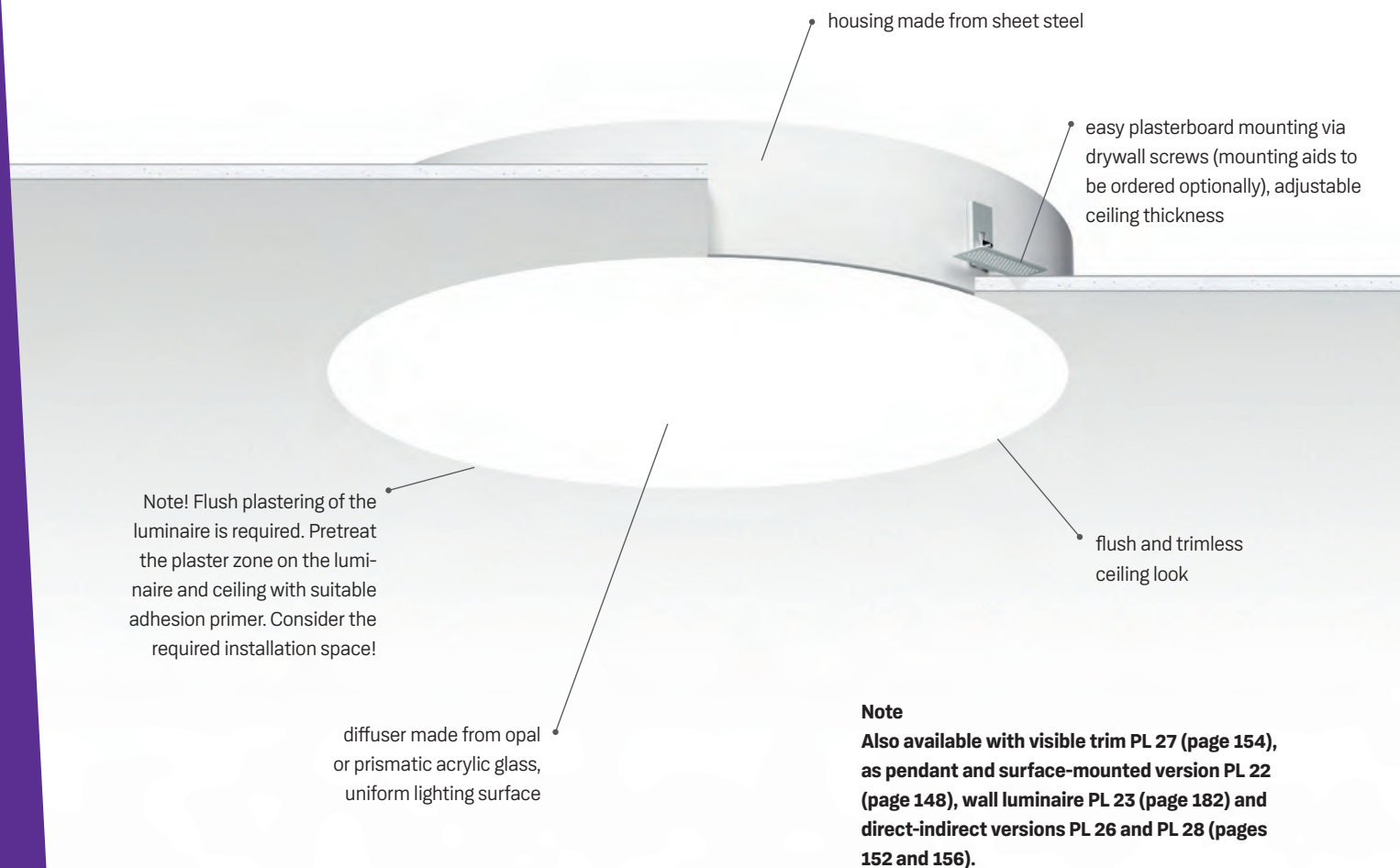
Accessories

Article name	Description
L 71/1500 DIM	wire-rope suspension 3-fold (length: 1500 mm, 5-core cable)
L 71/3000 DIM	wire-rope suspension 3-fold (length: 3000 mm, 5-core cable)

Further product informations you will find under www.lts-light.eu/2623

PL 25

Recessed Trimless



Standard options



Special options





Burnickl Ingenieure, Velburg, GER · Planning: Burnickl Ingenieure · Photo: Stefan Grasenhiller Kreativwerkraum

Range selection



Article name	Ø [mm]	Feature	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]	EEC
PLL 25.385.40.1/DALI	385	diffuser opal	4000	22	1890	151	Ø 390	10 - 30	3.78	A+
PLL 25.385.40.2/DALI	385	diffuser prismatic	4000	22	1370	151	Ø 390	10 - 30	3.78	A
PLL 25.475.40.1/DALI	475	diffuser opal	4000	39	3570	151	Ø 480	10 - 30	5.24	A+
PLL 25.475.40.2/DALI	475	diffuser prismatic	4000	39	2580	151	Ø 480	10 - 30	5.24	A
PLL 25.675.40.1/DALI	675	diffuser opal	4000	75	8030	151	Ø 680	10 - 30	9.26	A++
PLL 25.675.40.2/DALI	675	diffuser prismatic	4000	75	5790	151	Ø 680	10 - 30	9.26	A+
PLL 25.1000.40.1/DALI	1000	diffuser opal	4000	164	17640	151	Ø 1005	10 - 30	19.00	A++
PLL 25.1000.40.2/DALI	1000	diffuser prismatic	4000	164	12710	151	Ø 1005	10 - 30	19.00	A+

Accessories

Article name	Description
ZBMH 1000	mounting aids PL 25 for D = 1000 mm
ZBMH 385	mounting aids PL 25 for D = 385 mm
ZBMH 475	mounting aids PL 25 for D = 475 mm
ZBMH 675	mounting aids PL 25 for D = 675 mm

Further product informations you will find under www.lts-light.eu/2158

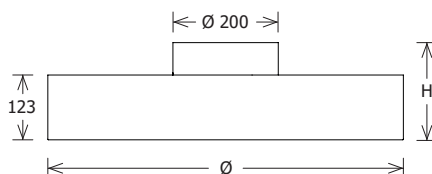
PL 26 Direct-Indirect

Surface-Mounted



Note

Also available as surface-mounted/pendant luminaire PL 22 (page 148), recessed luminaires PL 25 and PL 27 (pages 150 and 154), wall luminaire PL 23 (page 182) and direct-indirect pendant version PL 28 (page 156).



Standard options



Special options





Federseeklinik, Bad Buchau, GER · Photo: Jean-Marc Delettre — Photography

Range selection



Article name	Ø x H [mm]	Feature	CCT [K]	System power [W]	Luminous flux [lm]	Light component indirect [%]	Weight [kg]	EEC
PLL 26.385.40.1/DALI	385 x 187	diffuser opal	4000	36	3850	33	4.74	A++
PLL 26.385.40.2/DALI	385 x 187	diffuser prismatic	4000	36	3220	42	4.74	A+
PLL 26.475.40.1/DALI	475 x 185	diffuser opal	4000	49	5500	22	6.12	A++
PLL 26.475.40.2/DALI	475 x 185	diffuser prismatic	4000	49	4200	29	6.12	A+
PLL 26.675.40.1/DALI	675 x 185	diffuser opal	4000	97	11830	21	10.40	A++
PLL 26.675.40.2/DALI	675 x 185	diffuser prismatic	4000	97	9300	27	10.40	A+
PLL 26.1000.40.1/DALI	1000 x 185	diffuser opal	4000	209	26090	28	22.50	A++
PLL 26.1000.40.2/DALI	1000 x 185	diffuser prismatic	4000	209	18330	26	22.50	A+

Further product informations you will find under www.lts-light.eu/2413

PL 27

Recessed

housing made from sheet steel

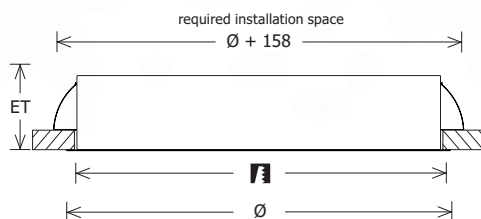
tool-free ceiling mounting via quick-action clamping springs, adjustable ceiling thickness, Note! Consider the required installation space!

diffuser made from opal or prismatic acrylic glass, uniform lighting surface

flush ceiling look by filigree trim

Note

Also available as version with trimless ceiling look PL 25 (page 150), as pendant and surface-mounted version PL 22 (page 148), wall luminaire PL 23 (page 182) and direct-indirect versions PL 26 and PL 28 (pages 152 and 156).



Standard options



Special options





DEUTZ-FAHR Arena, Lauingen, GER · Planning: archiNetwork · Photo: Foto Hammer

Range selection



Article name	Ø [mm]	Feature	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]	EEC
PLL 27.410.40.1/DALI	411	diffuser opal	4000	22	1890	145	Ø 390	10 - 30	3.75	A+
PLL 27.410.40.2/DALI	411	diffuser prismatic	4000	22	1370	145	Ø 390	10 - 30	3.75	A
PLL 27.500.40.1/DALI	501	diffuser opal	4000	39	3570	145	Ø 480	10 - 30	5.19	A+
PLL 27.500.40.2/DALI	501	diffuser prismatic	4000	39	2580	145	Ø 480	10 - 30	5.19	A
PLL 27.700.40.1/DALI	701	diffuser opal	4000	75	8030	141	Ø 680	10 - 30	9.60	A++
PLL 27.700.40.2/DALI	701	diffuser prismatic	4000	75	5790	141	Ø 680	10 - 30	9.60	A+
PLL 27.1025.40.1/DALI	1026	diffuser opal	4000	164	17640	145	Ø 1005	10 - 30	20.00	A++
PLL 27.1025.40.2/DALI	1026	diffuser prismatic	4000	164	12710	145	Ø 1005	10 - 30	20.00	A+

Further product informations you will find under www.lts-light.eu/2159

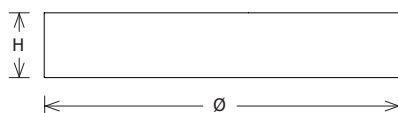
PL 28 Direct-Indirect

Pendant



Note

Also available as surface-mounted/pendant luminaire PL 22 (page 148), recessed luminaires PL 25 and PL 27 (pages 150 and 154), wall luminaire PL 23 (page 182) and direct-indirect ceiling version PL 26 (page 152).



Standard options



Special options





Federseeklinik, Bad Buchau, GER · Photo: Jean-Marc Delettre — Photography

Range selection



Article name	Ø x H [mm]	Feature	CCT [K]	System power [W]	Luminous flux [lm]	Light component indirect [%]	Fixing	Weight [kg]	EEC
PLL 28.385.40.1/DALI	385 x 123	diffuser opal	4000	36	3850	33	L 73/1500 DIM / L 73/3000 DIM	4.02	A++
PLL 28.385.40.2/DALI	385 x 123	diffuser prismatic	4000	36	3220	42	L 73/1500 DIM / L 73/3000 DIM	4.02	A+
PLL 28.475.40.1/DALI	475 x 123	diffuser opal	4000	49	5500	22	L 73/1500 DIM / L 73/3000 DIM	5.30	A++
PLL 28.475.40.2/DALI	475 x 123	diffuser prismatic	4000	49	4200	29	L 73/1500 DIM / L 73/3000 DIM	5.30	A+
PLL 28.675.40.1/DALI	675 x 123	diffuser opal	4000	97	11830	21	L 74/1500 DIM / L 74/3000 DIM	10.00	A++
PLL 28.675.40.2/DALI	675 x 123	diffuser prismatic	4000	97	9300	27	L 74/1500 DIM / L 74/3000 DIM	10.00	A+
PLL 28.1000.40.1/DALI	1000 x 127	diffuser opal	4000	209	26090	28	L 75/1500 DIM / L 75/3000 DIM	21.00	A++
PLL 28.1000.40.2/DALI	1000 x 127	diffuser prismatic	4000	209	18330	26	L 75/1500 DIM / L 75/3000 DIM	21.00	A+

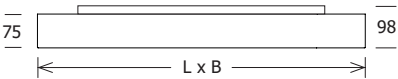
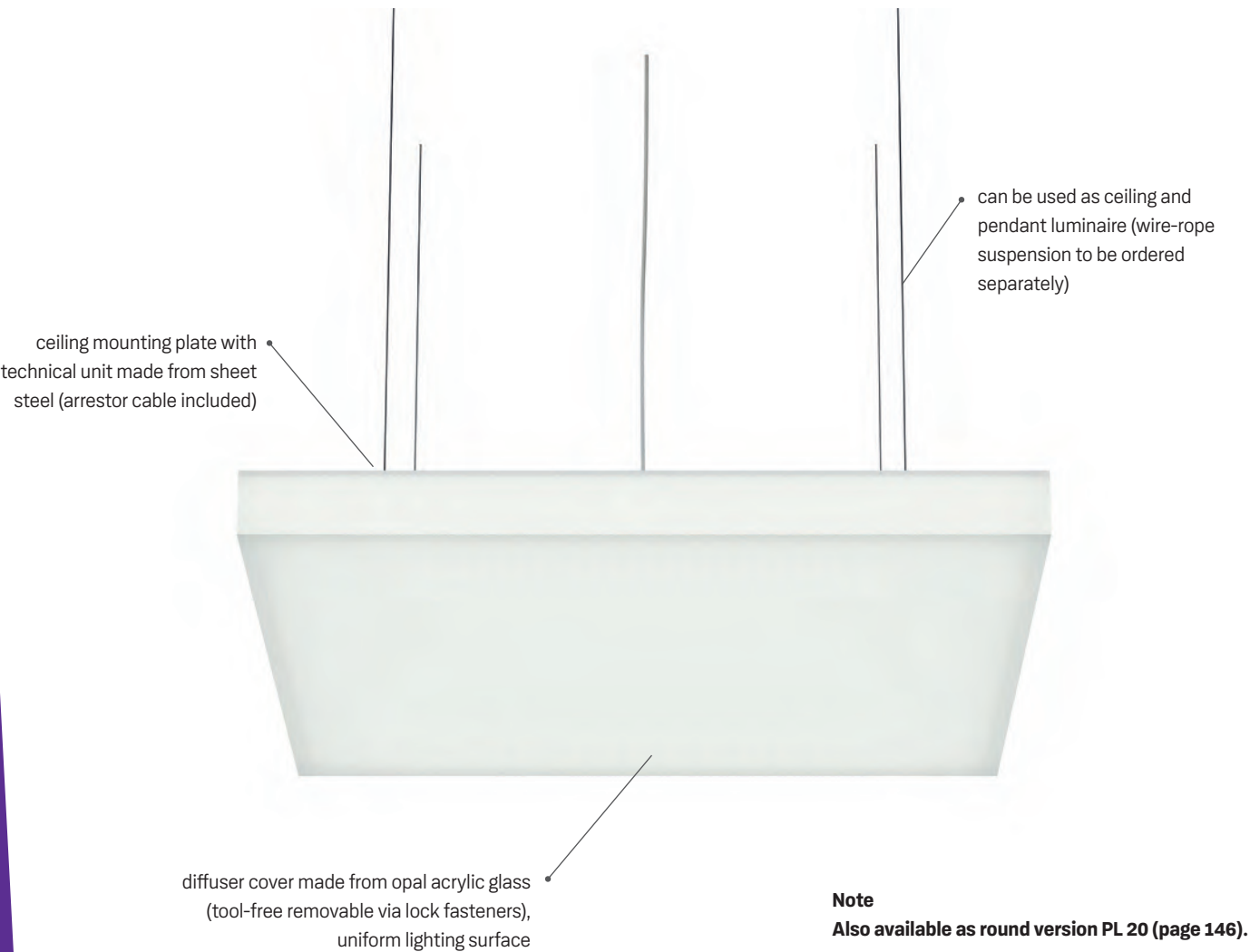
Accessories

Article name	Description
L 73/1500 DIM	wire-rope suspension 3-fold (length: 1500 mm, 5-core cable)
L 73/3000 DIM	wire-rope suspension 3-fold (length: 3000 mm, 5-core cable)
L 74/1500 DIM	wire-rope suspension 3-fold (length: 1500 mm, 5-core cable)
L 74/3000 DIM	wire-rope suspension 3-fold (length: 3000 mm, 5-core cable)
L 75/1500 DIM	wire-rope suspension 4-fold (length: 1500 mm, 5-core cable)
L 75/3000 DIM	wire-rope suspension 4-fold (length: 3000 mm, 5-core cable)

Further product informations you will find under www.lts-light.eu/2624

PL 50

Surface-Mounted & Pendant



Standard options



Special options





Burnickl Ingenieure, Velburg, GER · Planning: Burnickl Ingenieure · Photo: Stefan Grasenhiller Kreativwerkraum

Range selection



Article name	L x B [mm]	CCT [K]	System power [W]	Luminous flux [lm]	Fixing	Weight [kg]	EEC
PLL 50.625.40.1/DALI	625 x 625	4000	52	4010	L 72/3000 DIM	11.16	A+
PLL 50.900.40.1/DALI	900 x 900	4000	117	9230	L 72/3000 DIM	24.00	A+
PLL 50.1200.40.1/DALI	1200 x 1200	4000	203	15470	L 72/3000 DIM	42.00	A+
PLL 50.1500.40.1/DALI	1500 x 1500	4000	320	24100	L 72/3000 DIM	62.00	A+

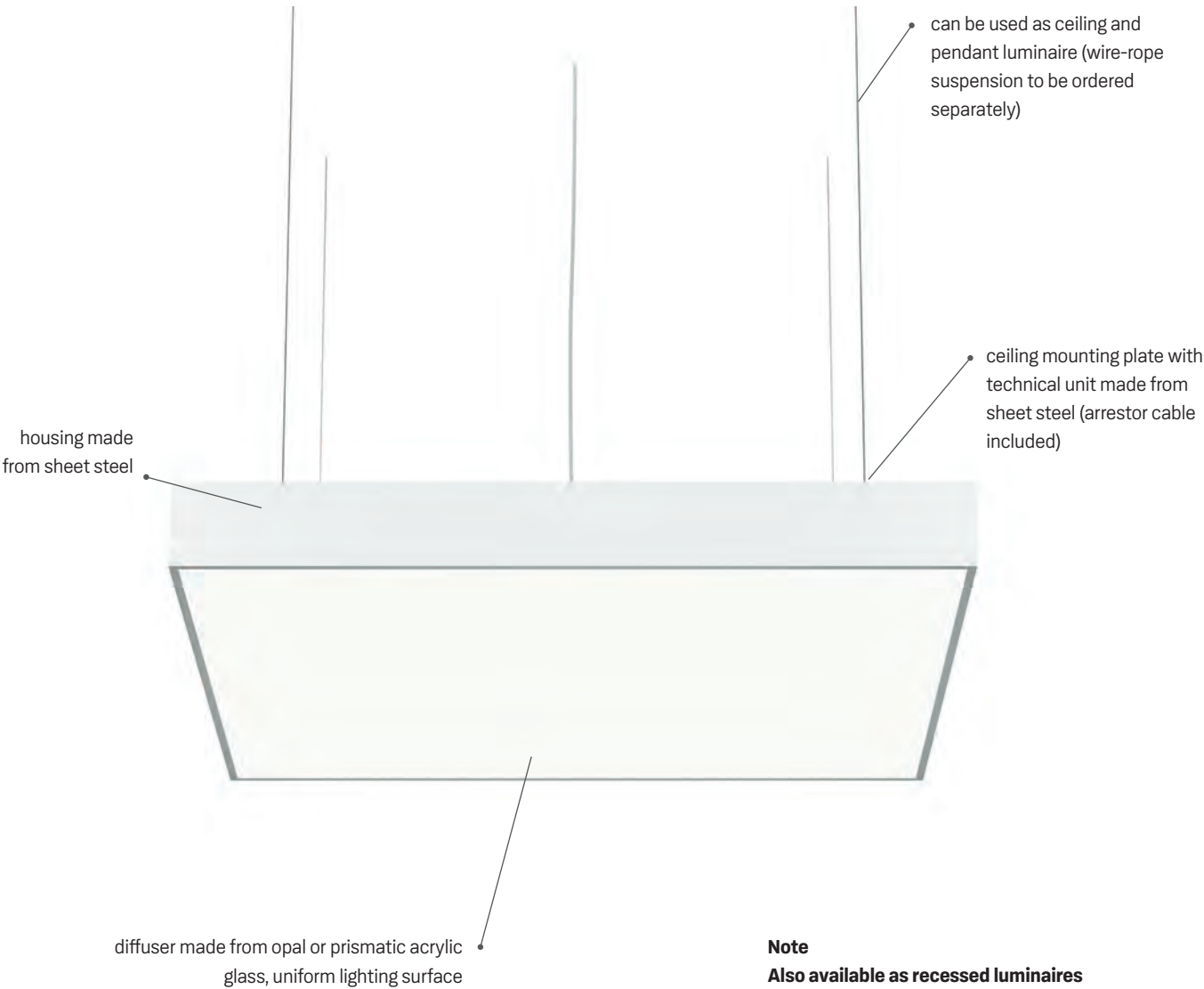
Accessories

Article name	Description
L 72/3000 DIM	wire-rope suspension 4-fold (length: 3000 mm, 5-core cable)

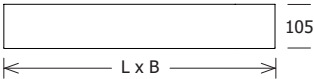
Further product informations you will find under www.lts-light.eu/2625

PL 52

Surface-Mounted & Pendant



Note
Also available as recessed luminaires
PL 55 and PL 57 (pages 162 and 164).



Standard options



Special options





RavensBuch, Tett nang, GER · Planning: Planungsbüro Gaiser

Range selection



Article name	L x B [mm]	Feature	CCT [K]	System power [W]	Luminous flux [lm]	Fixing	Weight [kg]	EEC
PLL 52.600.40.1/DALI	600 x 600	diffuser opal	4000	53	5090	L 72/1500 DIM / L 72/3000 DIM	10.60	A+
PLL 52.600.40.2/DALI	600 x 600	diffuser prismatic	4000	53	3840	L 72/1500 DIM / L 72/3000 DIM	10.60	A
PLL 52.900.40.1/DALI	900 x 900	diffuser opal	4000	112	11150	L 72/1500 DIM / L 72/3000 DIM	23.70	A+
PLL 52.900.40.2/DALI	900 x 900	diffuser prismatic	4000	112	8930	L 72/1500 DIM / L 72/3000 DIM	23.70	A+
PLL 52.1200.40.1/DALI	1200 x 1200	diffuser opal	4000	197	21660	L 72/3000 DIM	30.00	A++
PLL 52.1200.40.2/DALI	1200 x 1200	diffuser prismatic	4000	197	16760	L 72/3000 DIM	30.00	A+

Accessories

Article name	Description
L 72/1500 DIM	wire-rope suspension 4-fold (length: 1500 mm, 5-core cable)
L 72/3000 DIM	wire-rope suspension 4-fold (length: 3000 mm, 5-core cable)

Further product informations you will find under www.lts-light.eu/2626

PL 55

Recessed Trimless

housing made from sheet steel

easy plasterboard mounting via drywall screws, adjustable ceiling thickness

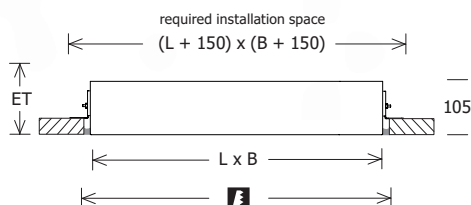
Note! Flush plastering of the luminaire is required. Pretreat the plaster zone on the luminaire and ceiling with suitable adhesion primer. Consider the required installation space!

diffuser made from opal or prismatic acrylic glass, uniform lighting surface

flush and trimless ceiling look

Note

Also available with visible trim PL 57 (page 164) or as pendant and surface-mounted version PL 52 (page 160).



Standard options



Special options





Aston Martin, Stuttgart, GER · Photo: Enrique Salcedo Puerto

Range selection



Article name	L x B [mm]	Feature	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]	EEC
PLL 55.600.40.1/DALI	600 x 600	diffuser opal	4000	53	5090	135	605 x 605	10 - 30	12.70	A+ →
PLL 55.600.40.2/DALI	600 x 600	diffuser prismatic	4000	53	3840	135	605 x 605	10 - 30	12.70	A →
PLL 55.900.40.1/DALI	900 x 900	diffuser opal	4000	112	11150	135	905 x 905	10 - 30	23.00	A+ →
PLL 55.900.40.2/DALI	900 x 900	diffuser prismatic	4000	112	8930	135	905 x 905	10 - 30	23.00	A+ →
PLL 55.1200.40.1/DALI	1200 x 1200	diffuser opal	4000	197	21660	135	1205 x 1205	10 - 30	31.00	A++ →
PLL 55.1200.40.2/DALI	1200 x 1200	diffuser prismatic	4000	197	16760	135	1205 x 1205	10 - 30	31.00	A+ →

Further product informations you will find under www.lts-light.eu/2160

PL 57

Recessed

housing made from sheet steel

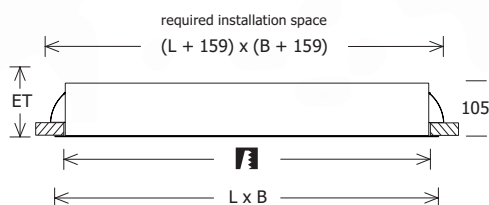
tool-free ceiling mounting via quick-action clamping springs, adjustable ceiling thickness, Note! Consider the required installation space!

diffuser made from opal or prismatic acrylic glass, uniform lighting surface

flush ceiling look by filigree trim

Note

Also available as version with trimless ceiling look PL 55 (page 162) and as pendant and surface-mounted version PL 52 (page 160).



Standard options



Special options





Wolford, Bregenz, AUT · Planning: Wolford · Photo: Jean-Marc Delettre — Photography

Range selection

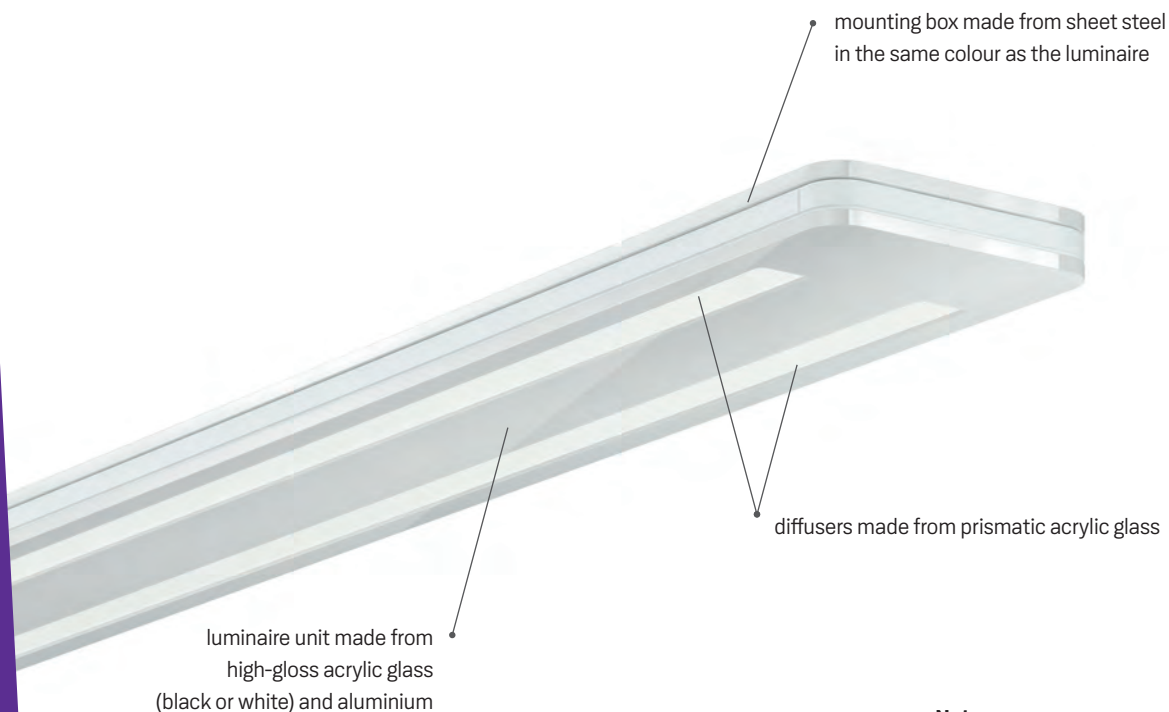


Article name	L x B [mm]	Feature	CCT [K]	System power [W]	Luminous flux [lm]	Installation depth [mm]	Cut-out [mm]	Ceiling thickness [mm]	Weight [kg]	EEC
PLL 57.625.40.1/DALI	626 x 626	diffuser opal	4000	53	5090	135	605 x 605	10 - 30	10.96	A+
PLL 57.625.40.2/DALI	626 x 626	diffuser prismatic	4000	53	3840	135	605 x 605	10 - 30	10.96	A
PLL 57.925.40.1/DALI	926 x 926	diffuser opal	4000	112	11150	135	905 x 905	10 - 30	26.70	A+
PLL 57.925.40.2/DALI	926 x 926	diffuser prismatic	4000	112	8930	135	905 x 905	10 - 30	26.70	A+
PLL 57.1225.40.1/DALI	1226 x 1226	diffuser opal	4000	197	21660	135	1205 x 1205	10 - 30	44.50	A++
PLL 57.1225.40.2/DALI	1226 x 1226	diffuser prismatic	4000	197	16760	135	1205 x 1205	10 - 30	44.50	A+

Further product informations you will find under www.lts-light.eu/2161

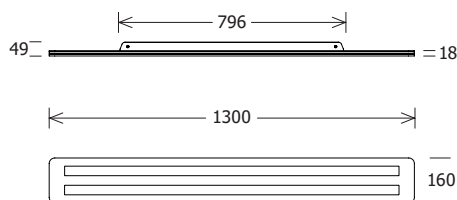
Trentino II

Ceiling



Note

Also available as pendant luminaire (page 168)
and free-standing luminaire (page 176).



Standard options





WEIKL, Bodenmais, GER · Photo: Jean-Marc Delettre – Photography

Range selection

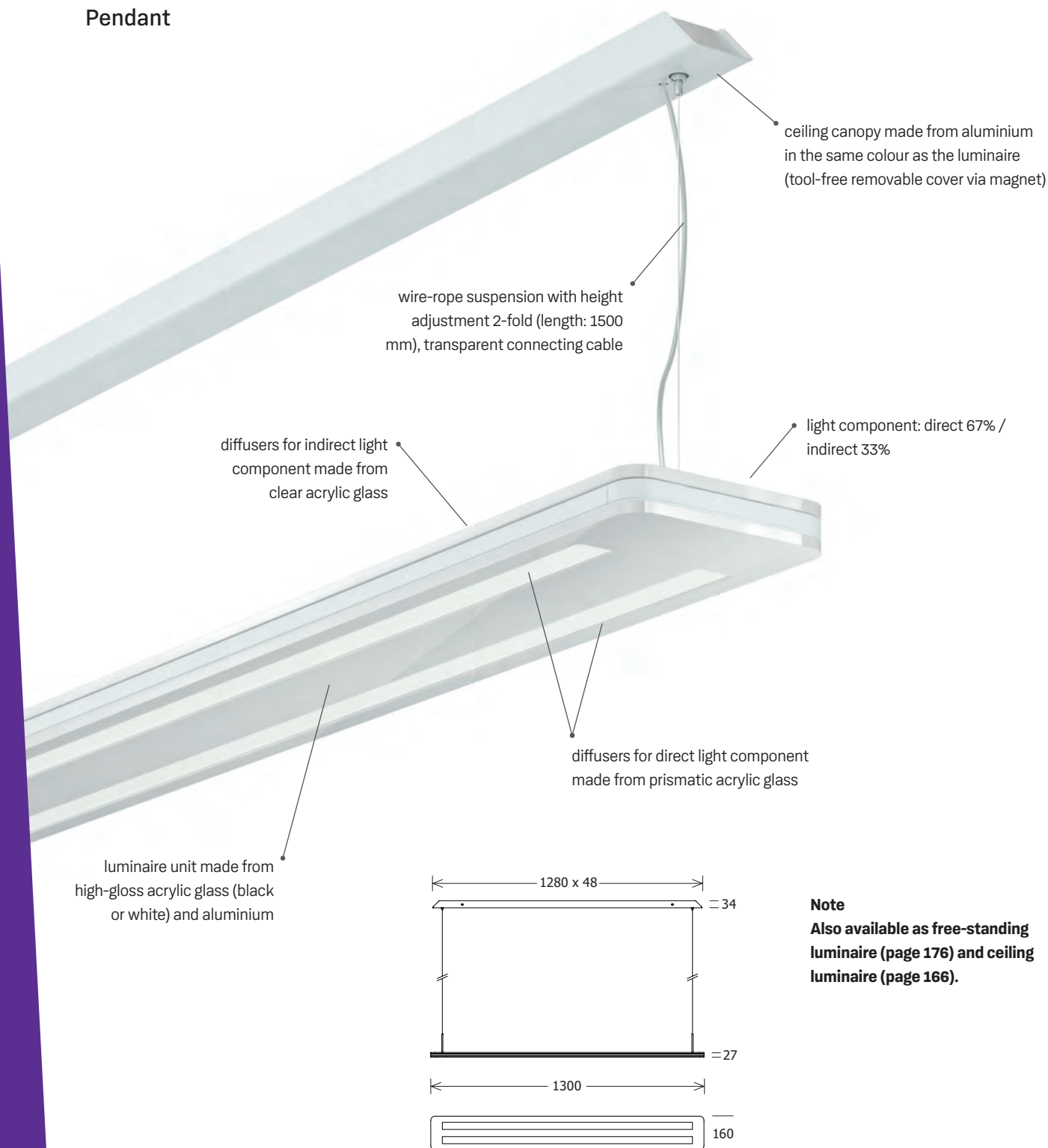


Article name	Colour	CCT [K]	System power [W]	Luminous flux [lm]	EEC
TNL 25.0540.02/DALI	black	4000	59	4530	A+ ➔
TNL 25.0540.03/DALI	white	4000	59	5210	A+ ➔
TNL 25.1040.02/DALI	black	4000	112	9060	A+ ➔
TNL 25.1040.03/DALI	white	4000	112	10410	A+ ➔

Further product informations you will find under www.lts-light.eu/2402

Trentino II

Pendant



Note
Also available as free-standing luminaire (page 176) and ceiling luminaire (page 166).

Standard options





Feuerwehrhaus Lustenau, AUT · Planning: huber zt · Photo: 35 Millimeter Film und Fotografie Thierry Fiegler

Range selection



Article name	Colour	CCT [K]	System power [W]	Luminous flux [lm]	UGR	EEC
TNL 22.0840.02/DALI	black	4000	83	5820	16.7	A
TNL 22.0840.03/DALI	white	4000	83	6620	17.9	A+
TNL 22.1640.02/DALI	black	4000	156	11630	19.0	A+
TNL 22.1640.03/DALI	white	4000	156	13230	19.0	A+

Further product informations you will find under www.lts-light.eu/2611

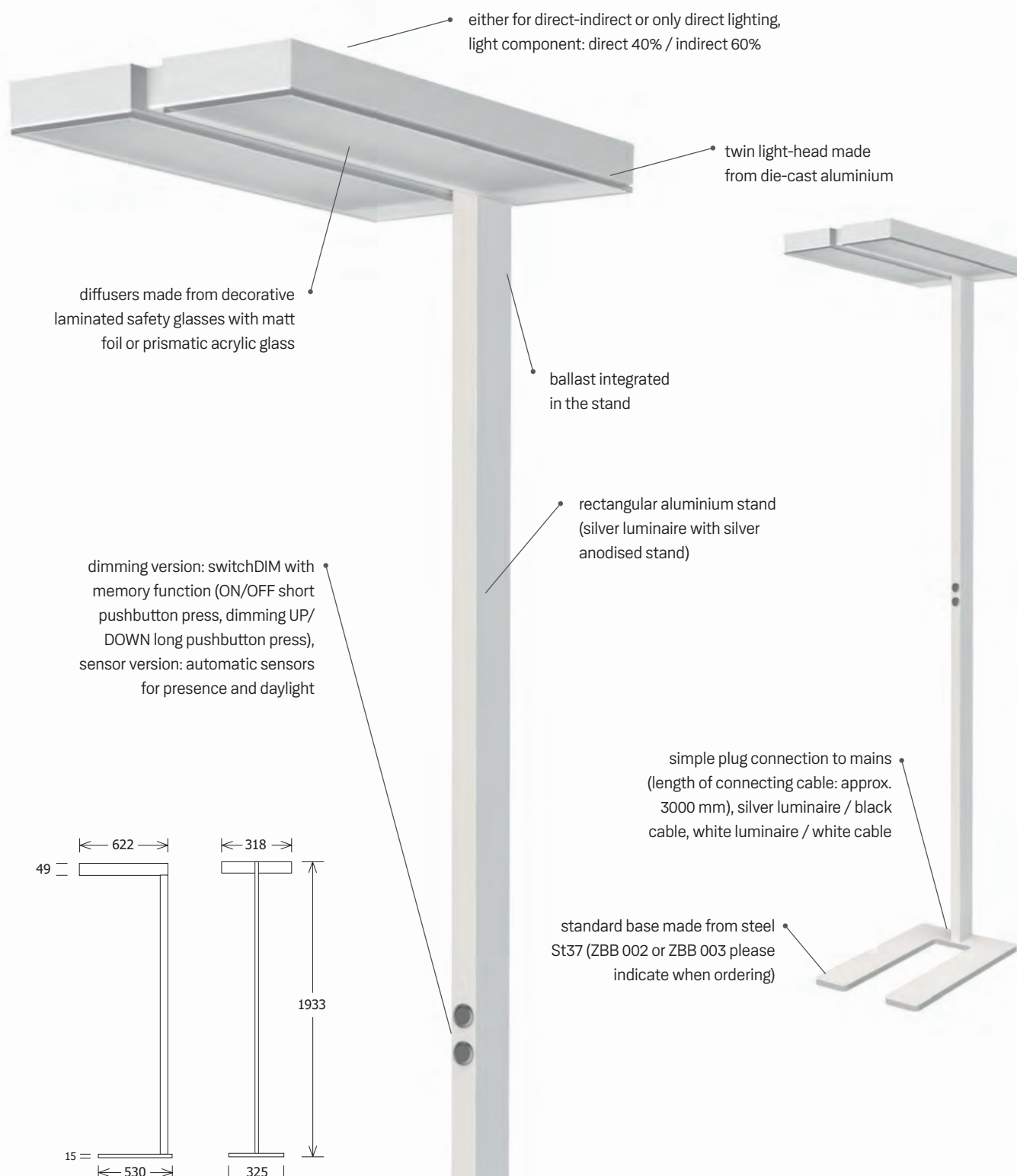


FREE- STANDING LUMINAIRES

www.lts-light.com/free-standing-luminaires



Ascona



Standard options





Wolford, Bregenz, AUT · Planning: Wolford · Photo: Jean-Marc Delettre — Photography

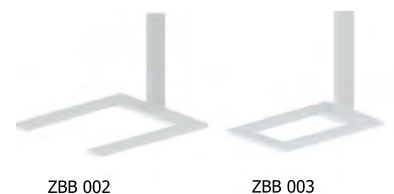
Range selection



Article name	Feature	CCT [K]	System power [W]	Luminous flux [lm]	UGR	Weight [kg]	EEC
ASCL 10.0640.2 DIM	direct / dimmable / decorative glass	4000	50	3330		17.82	A
ASCL 10.0640.2 SENSO	direct / automatic sensors / decorative glass	4000	50	3330		17.82	A
ASCL 10.1140.1 DIM	direct-indirect / dimmable / decorative glass	4000	101	8060	16.1	17.82	A+
ASCL 10.1140.1 SENSO	direct-indirect / automatic sensors / decorative glass	4000	101	8060	16.1	17.82	A+
ASCL 11.0640.2 DIM	direct / dimmable / prismatic glass	4000	50	2960	17.2	17.06	A
ASCL 11.0640.2 SENSO	direct / automatic sensors / prismatic glass	4000	50	2960	17.2	17.06	A
ASCL 11.1140.1 DIM	direct-indirect / dimmable / prismatic glass	4000	101	7770	10.0	17.06	A+
ASCL 11.1140.1 SENSO	direct-indirect / automatic sensors / prismatic glass	4000	101	7770	10.0	17.06	A+

Accessories

Article name	Description
ZBB 002	base version 2
ZBB 003	base version 3
ZBC 001	remote control for SENSO luminaires



Further product informations you will find under www.lts-light.eu/2701

Piano

Stand



Note

Also available as pendant luminaire (page 144).

Standard options



Special options





Evans, General Contractors, Friedrichshafen, GER

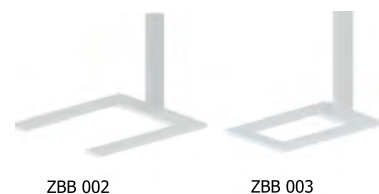
Range selection



Article name	Feature	CCT [K]	System power [W]	Luminous flux [lm]	UGR	Weight [kg]	EEC
PIANO-S 080.0540/DIM	dimnable	4000	63	6320	19.0	22.15	A+
PIANO-S 080.0540/SENSO	automatic sensors	4000	63	6320	19.0	22.32	A+
PIANO-S 080.0540/TROOP	trooping	4000	63	6320	19.0	22.42	A+
PIANO-S 080.0840/DIM	dimnable	4000	88	8340	19.0	22.15	A+
PIANO-S 080.0840/SENSO	automatic sensors	4000	88	8340	19.0	22.32	A+
PIANO-S 080.0840/TROOP	trooping	4000	88	8340	19.0	22.42	A+

Accessories

Article name	Description
ZBB 002	luminaire base version 2
ZBB 003	luminaire base version 3
ZBC 001	remote control for SENSO luminaires



Further product informations you will find under www.lts-light.eu/2706

Trentino II

Stand



Standard options





Villa Stöcken, Solingen, GER · Photo: Leon Sinowenka Photographie

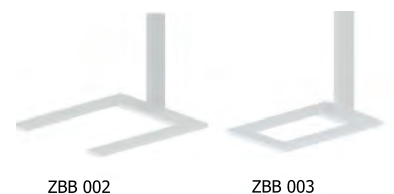
Range selection



Article name	Colour	Feature	CCT [K]	System power [W]	Luminous flux [lm]	UGR	EEC
TNL 20.1040.02/DIM	black	dimnable	4000	102	7950	19.0	A+ ➔
TNL 20.1040.03/DIM	white	dimnable	4000	102	8950	19.0	A+ ➔
TNL 20.1040.02/SENSO	black	automatic sensors	4000	102	7950	19.0	A+ ➔
TNL 20.1040.03/SENSO	white	automatic sensors	4000	102	8950	19.0	A+ ➔

Accessories

Article name	Description
ZBB 002	luminaire base version 2
ZBB 003	luminaire base version 3
ZBC 001	remote control for SENSO luminaires



Further product informations you will find under www.lts-light.eu/2704



WALL LUMINAIRES

www.lts-light.com/wall-luminaires



LUZ

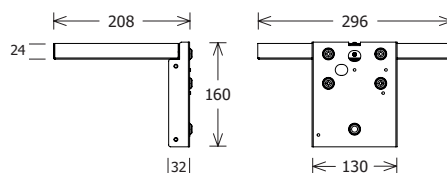
Wall

indirect lighting with asymmetrical light
distribution (beaming forward), lense optics
made from PMMA plastic



housing made from sheet steel

wall mounting box
made from sheet steel



Standard options



Special options





AWO, Bremen, GER · Photo: Henning Stauch Photography

Range selection

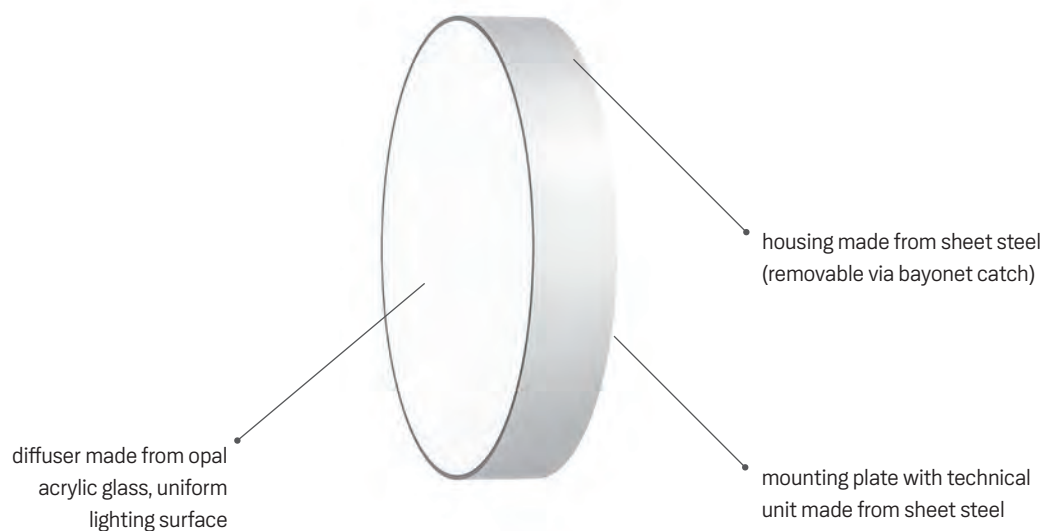


Article name	CCT [K]	System power [W]	Luminous flux [lm]	EEC
LUZ23-W 31.013.30/DALI	3000	46	5180	A++

Further product informations you will find under www.lts-light.eu/2517

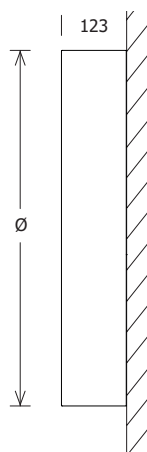
PL 23

Wall



Note

Also available as surface-mounted/pendant luminaire PL 22 (page 148), recessed luminaires PL 25 and PL 27 (pages 150 and 154) and direct-indirect versions PL 26 and PL 28 (pages 152 and 156).



Standard options



Special options





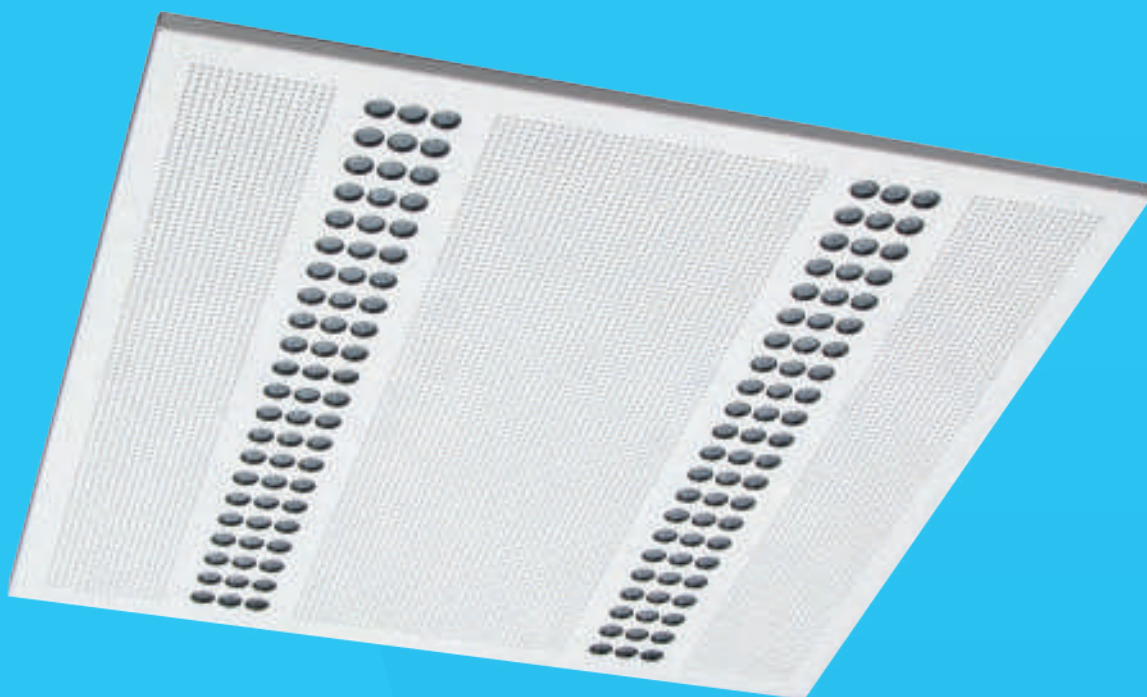
Light + Building 2016, Frankfurt, GER · Photo: Werner Huthmacher Photography

Range selection



Article name	Ø [mm]	Feature	CCT [K]	System power [W]	Luminous flux [lm]	Weight [kg]	EEC
PLL 23.385.40.1/DALI	385	diffuser opal	4000	22	1890	3.78	A+
PLL 23.475.40.1/DALI	475	diffuser opal	4000	39	3570	4.80	A+
PLL 23.675.40.1/DALI	675	diffuser opal	4000	75	8030	9.62	A++
PLL 23.1000.40.1/DALI	1000	diffuser opal	3000	164	17640	19.00	A++

Further product informations you will find under www.lts-light.eu/2513

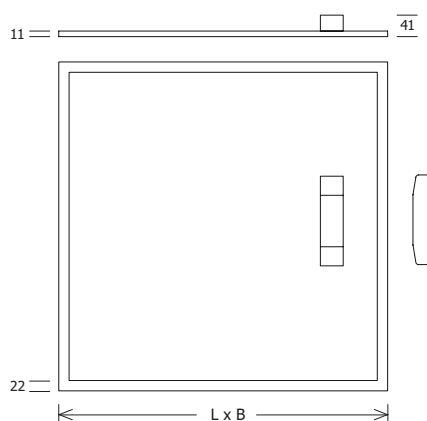
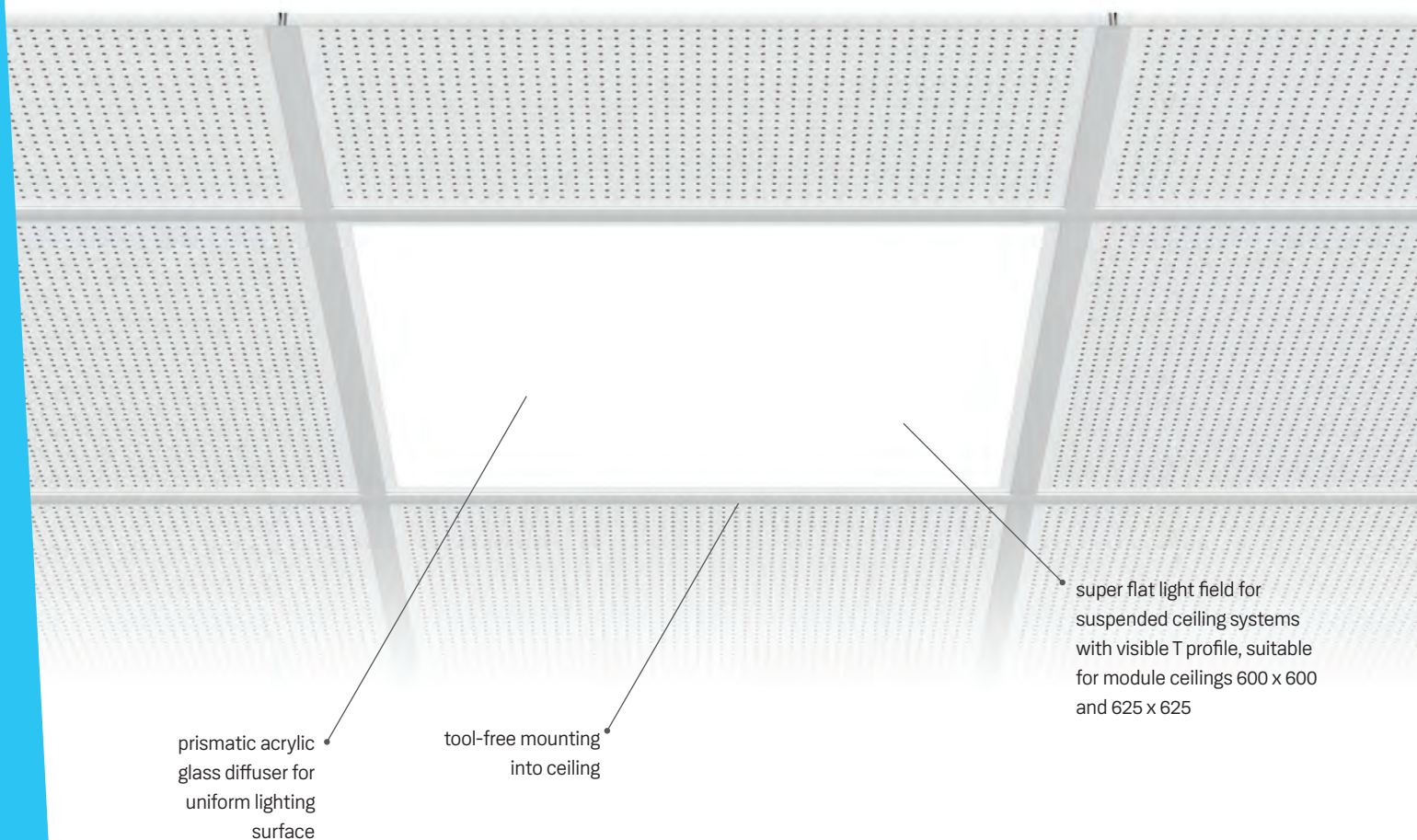


INSERT LUMINAIRES

www.lts-light.com/insert-luminares



Fyrre



Standard options





Theodor-Fontane-Schule, Leverkusen, GER · Planning: Architekturbüro Eberhard Foes · Photo: Professionelle Fotografie Peter Frese

Range selection

L70 B50 50 000 h	CRI 80 SDCM3		IP20	CE	WEISS
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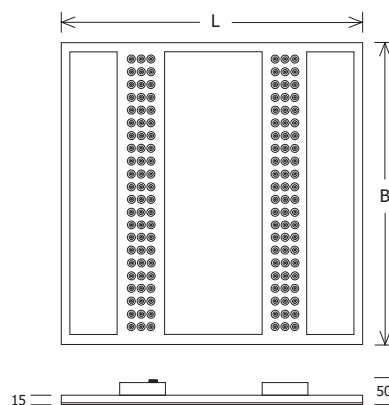
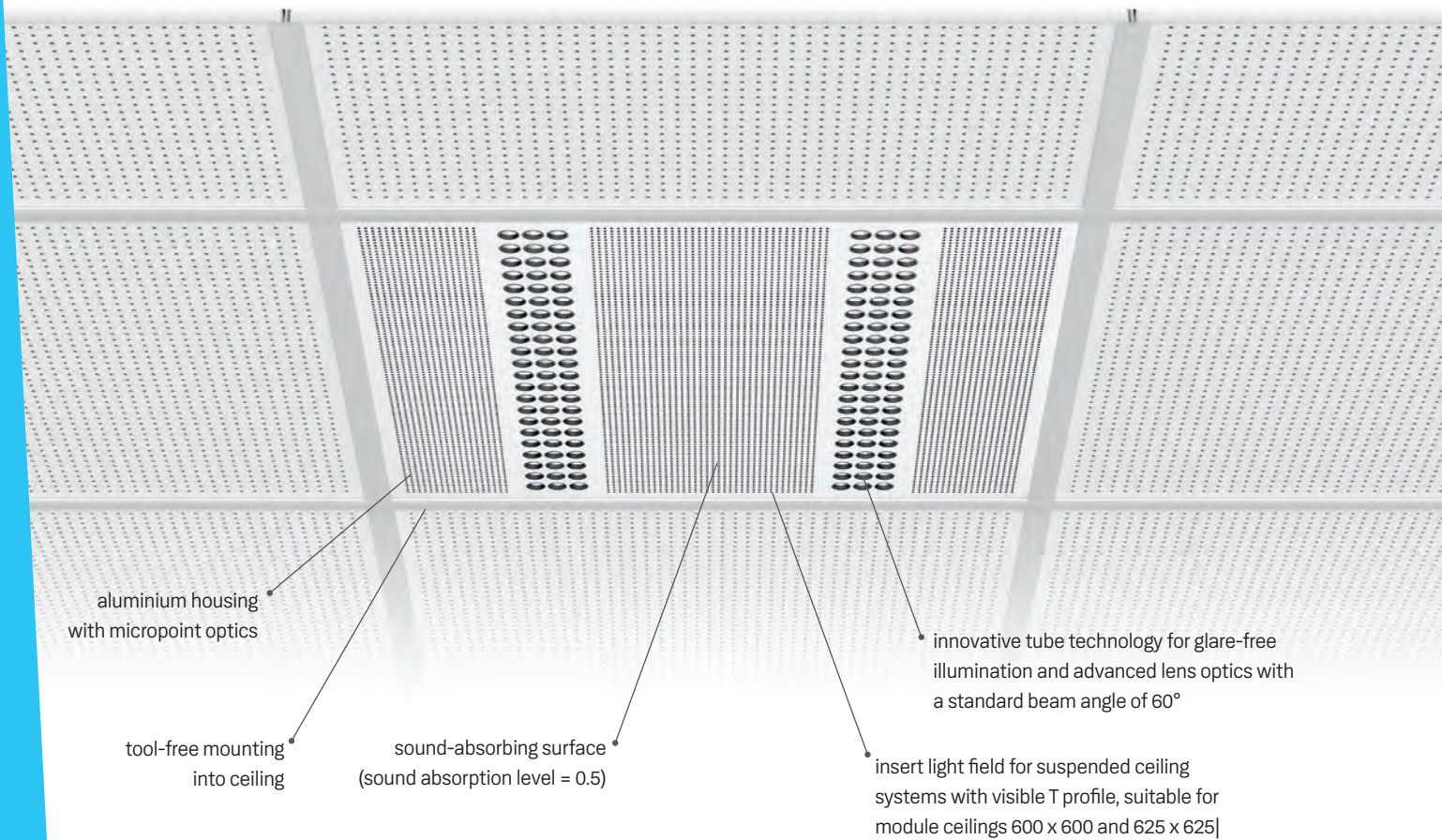
Article name	Module	L x B [mm]	CCT [K]	System power [W]	Luminous flux [lm]	UGR	Installation depth [mm]	Weight [kg]	EEC
FYR-E 10.0600.40	600 x 600	595 x 595	4000	36	4210	18.5	41	3.75	A++
FYR-E 10.0625.40	625 x 625	620 x 620	4000	36	4210	18.3	41	3.78	A++

Accessories

Article name	Description
FYR-Z 10.01.01	Y wire-rope suspension (length: 1500 mm)

Further product informations you will find under www.lts-light.eu/2433

Optico



Standard options



Special options





Hermann Müller Elektrogroßhandel, Weingarten, GER · Photo: Jean-Marc Delettre – Photography

Range selection



Article name	Module	L x B [mm]	CCT [K]	System power [W]	Luminous flux [lm]	UGR	Installation depth [mm]	Weight [kg]	EEC
OPT-R 104.0600.840/DALI	600 x 600	592 x 592	4000	42	4560	12.5	150	4.17	A++
OPT-R 104.0625.840/DALI	625 x 625	617 x 617	4000	42	4560	12.5	150	4.48	A++
OPT-R 106.0600.840/DALI	600 x 600	592 x 592	4000	62	6550	13.7	150	4.17	A++
OPT-R 106.0625.840/DALI	625 x 625	617 x 617	4000	62	6550	13.7	150	4.48	A++

Further product informations you will find under www.lts-light.eu/2437

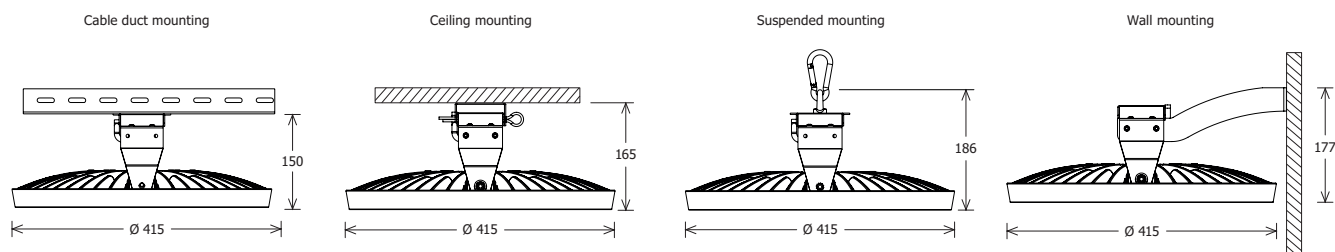


HIGH-BAY LUMINAIRES

www.lts-light.com/high-bay-luminaires



FLC



Special options





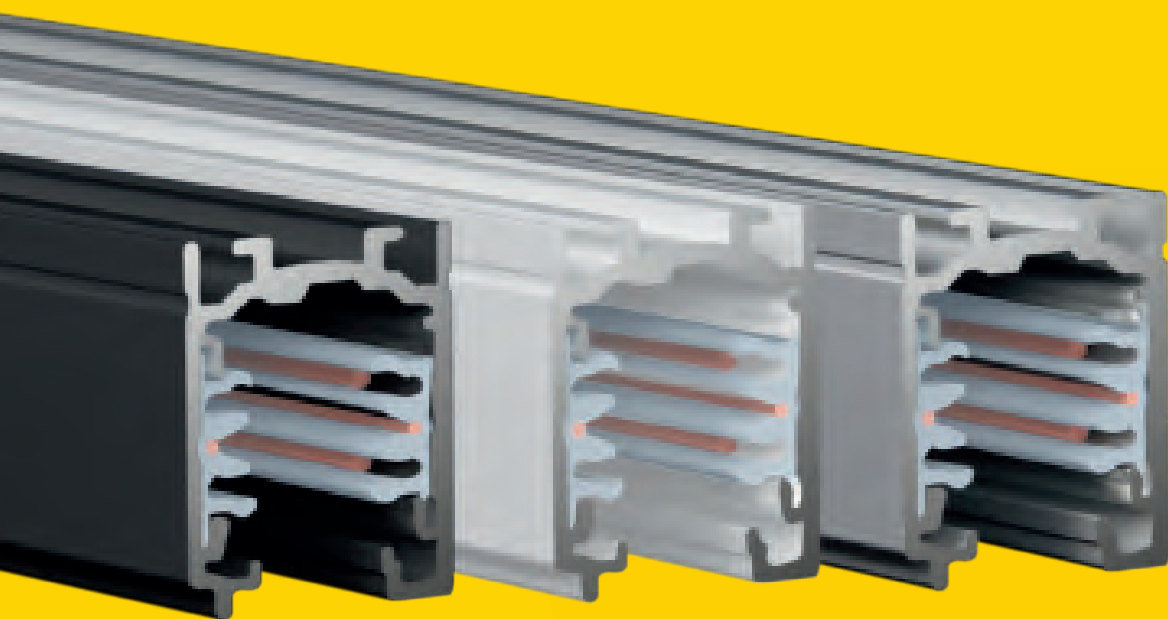
BARTH Präzisionstechnik, Ertingen, GER · Photo: Rampant-Pictures Werbefotografie

Range selection



Article name	Feature	Fixing	Beam angle	CCT [K]	System power [W]	Luminous flux [lm]	Weight [kg]	EEC
FLCK-A 415.150.40	lens optics	ceiling	66°	4000	106	14850	7.14	A++
FLCK-K 415.150.40	lens optics	cable duct	66°	4000	106	14850	7.20	A++
FLCK-P 415.150.40	lens optics	suspended	66°	4000	106	14850	6.80	A++
FLCK-W 415.150.40	lens optics	wall	66°	4000	106	14850	7.40	A++
FLCK-A 415.200.40	lens optics	ceiling	66°	4000	152	19980	7.14	A++
FLCK-K 415.200.40	lens optics	cable duct	66°	4000	152	19980	7.20	A++
FLCK-P 415.200.40	lens optics	suspended	66°	4000	152	19980	6.80	A++
FLCK-W 415.200.40	lens optics	wall	66°	4000	152	19980	7.40	A++
FLCA-A 415.135.40	safety glass	ceiling	100°	4000	106	13350	7.28	A++
FLCA-K 415.135.40	safety glass	cable duct	100°	4000	106	13350	7.34	A++
FLCA-P 415.135.40	safety glass	suspended	100°	4000	106	13350	7.29	A++
FLCA-W 415.135.40	safety glass	wall	100°	4000	106	13350	8.00	A++
FLCA-A 415.180.40	safety glass	ceiling	100°	4000	152	17890	7.28	A++
FLCA-K 415.180.40	safety glass	cable duct	100°	4000	152	17890	7.34	A++
FLCA-P 415.180.40	safety glass	suspended	100°	4000	152	17890	7.29	A++
FLCA-W 415.180.40	safety glass	wall	100°	4000	152	17890	8.00	A++

Further product informations you will find under www.lts-light.eu/2634



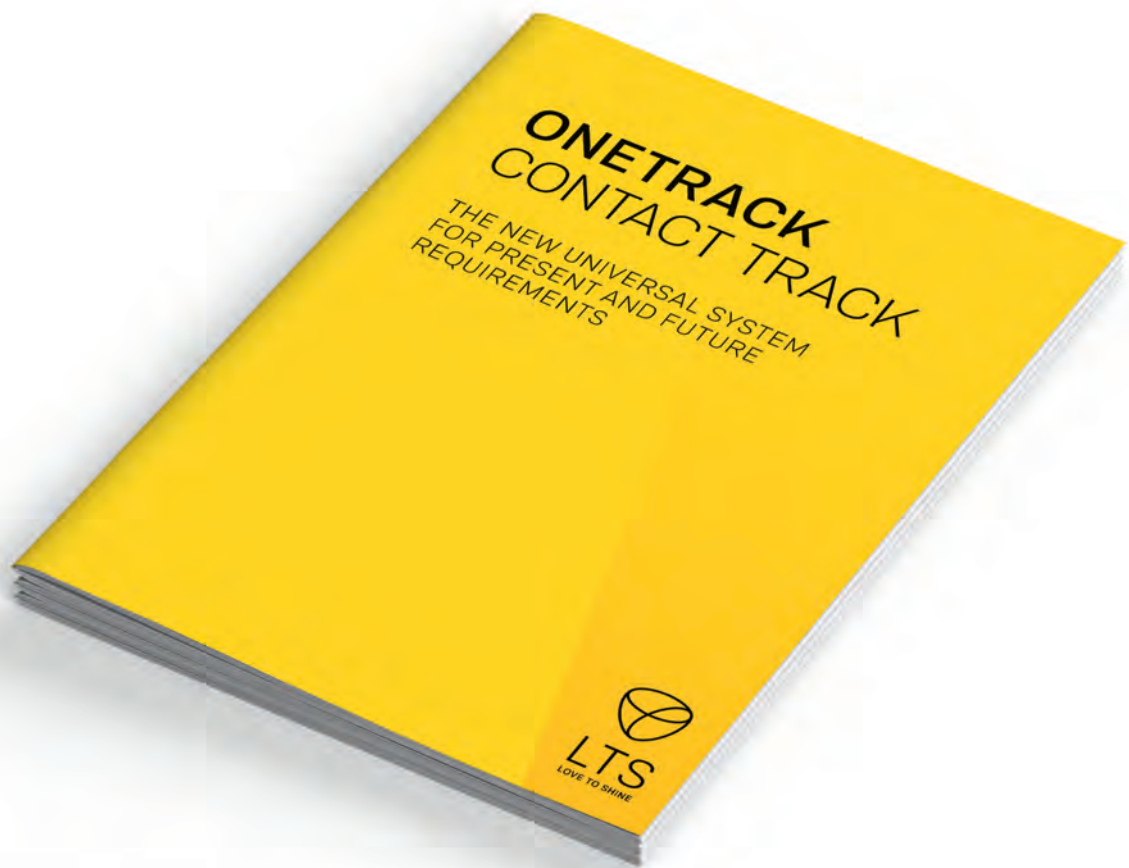
CONTACT TRACKS & ACCESSORIES

www.lts-light.com/accessories



Audi Zentrum, Paderborn, GER · Photo: Henning Stauch Photography

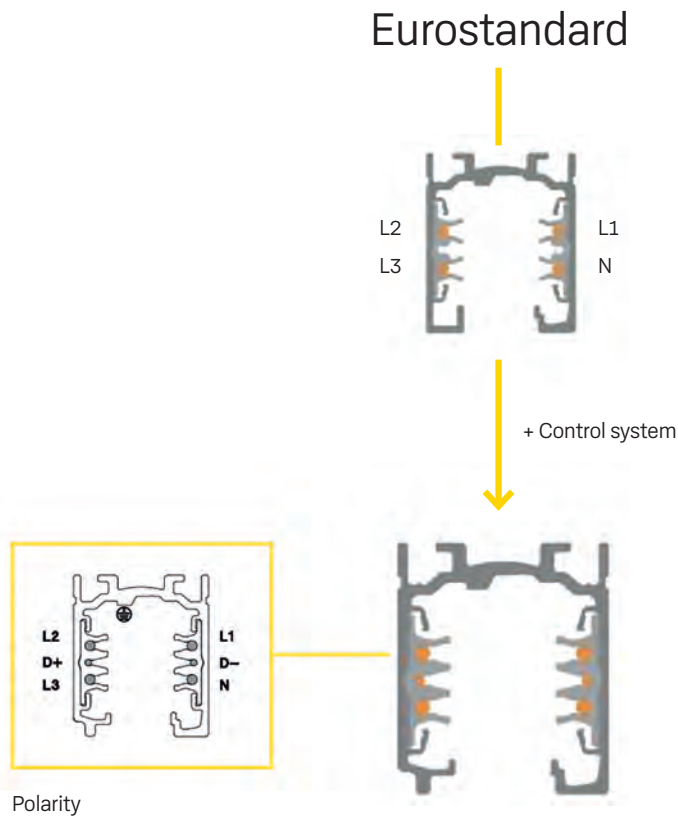
THE NEW UNIVERSAL SYSTEM



The new ONETRack brochure available for download:
www.lts-light.com/downloads/brochures

ONETRACK

THE FLEXIBLE SOLUTION



The new track ONETRACK combines the currently available systems on the market. It has 6-conductors with individually switchable circuits and in addition it is equipped with a control system. ONETRACK is therefore an ideal solution for realization of lighting with DALI and also for Human Centric Lighting applications.

At every phase of the project, without any restrictions, one has the ability to decide on new lights that should be used. The track is available in built-in or surface-mounted variants and thus it is a universal and above all future-proof single solution.

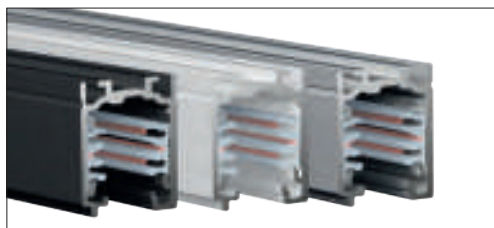
With a versatile range of connectors, ONETRACK can be tailor-made for any length and shape requirements. This universal system also allows on-site length adjustment through easy shortening. Thanks to the intelligently designed accessories they successfully aid in easy installation.

The new track is a perfect companion for our high-efficiency spotlights and linear lighting solutions.

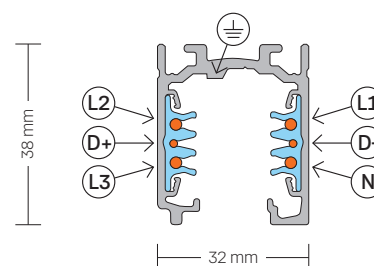


ONETrack

Surface-Mounted



Article name	Length
ST-A 10/9000-1-ST	1000 mm
ST-A 20/9000-2-ST	2000 mm
ST-A 30/9000-3-ST	3000 mm
ST-A 40/9000-4-ST	4000 mm
black, white, grey (aluminum)	



ST-A F/PE-R/9001
End feeder with
polarity right



ST-A F/PE-L/9002
End feeder with
polarity left



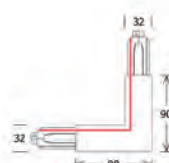
ST-IE/9003
Electric linear
connector (inside)



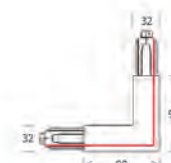
ST-A I/9010
Electric linear
connector



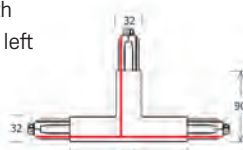
ST-A L/PE-IN/9011
L-connector with
polarity inside



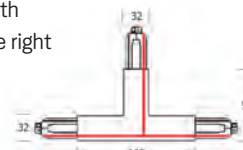
ST-A L/PE-OUT/9012
L-connector with
polarity outside



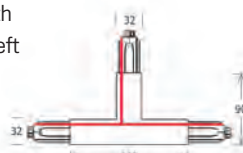
ST-A T/PE-OUT-L/9013
T-connector with
polarity outside left



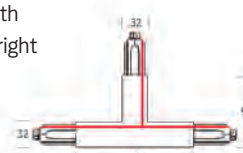
ST-A T/PE-OUT-R/9014
T-connector with
polarity outside right



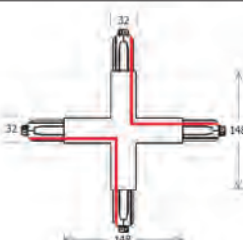
ST-A T/PE-IN-L/9015
T-connector with
polarity inside left



ST-A T/PE-IN-R/9016
T-connector with
polarity inside right



ST-A X/9017
X-connector

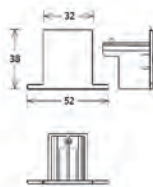


ST-A FLEX/9018
Flexible connector

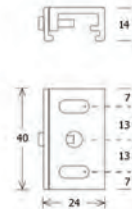




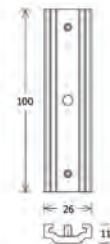
ST-A CAP/9004
End cover



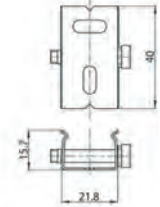
ST-A S/S-9000-131
Ceiling bracket
black, white,
grey (aluminum)



ST-IM/S-9000-322-LA
Mechanical connector
outside
black, white,
grey (aluminum)



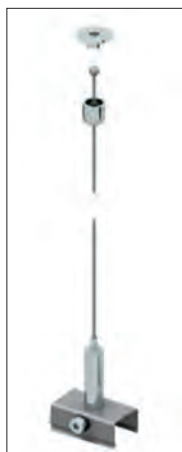
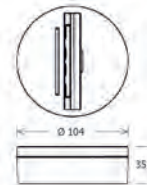
ST-A S/S-9000-111
Ceiling bracket
(Steel zinc coated)



ST-ZCUT/S-9000/T-N
Cutting tool



ST-A MONO/9000-BP-D
3-phase adapter



ST-A S/9000-KIT4/1500
Wire-rope suspension
+ fixing clamp
1500 mm



ST-ZCOV/S-9000/TP
Cap

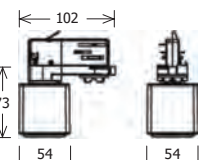
ST-A S/9000-KIT4/3000
Wire-rope suspension
+ fixing clamp
3000 mm



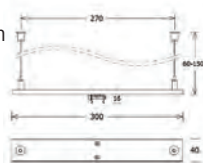
ST-A S/9000-KIT4/5000
Wire-rope suspension
+ fixing clamp
5000 mm



ST-ZSCHUKO/4230V
Socket adapter
for 3-phase
track
black, white



ST-A S28
Wire-rope suspension
2-fold with stabilizer
for 3-phase surface-
mounted track
black, white



ST-ZCOV/S-9000/GP
Cover strip
black, white, grey



ST-A 30
ONETrack adapter
black, white



ST-A 30 M10
ONETTrack adapter
with threaded
nippel M10
black, white



ST-A 30 M13
ONETTrack adapter
with threaded
nippel M13
black, white



ST-A 30B M13
ONETTrack adapter
DALI
with threaded
nippel M13
black, white



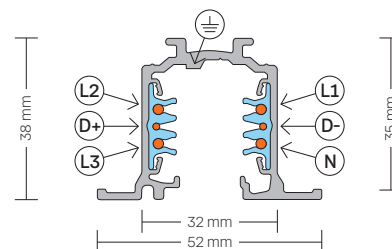


ONETrack

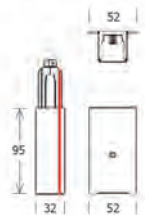
Recessed



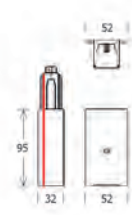
Article name	Length
ST-E 10/9000-1-R	1000 mm
ST-E 20/9000-2-R	2000 mm
ST-E 30/9000-3-R	3000 mm
ST-E 40/9000-4-R	4000 mm
black, white, grey (aluminum)	



ST-E F/PE-R/9001
End feeder with
polarity right



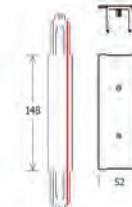
ST-E F/PE-L/9002
End feeder with
polarity left



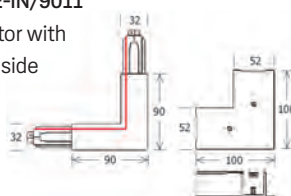
ST-IE/9003
Electric linear
connector (inside)



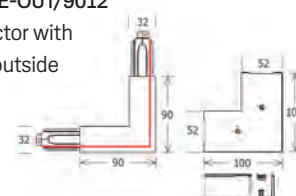
ST-E I/9010
Electric linear
connector



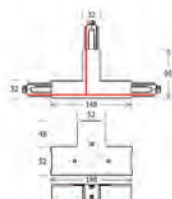
ST-E L/PE-IN/9011
L-connector with
polarity inside



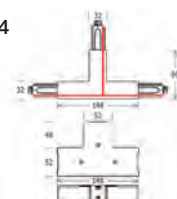
ST-E L/PE-OUT/9012
L-connector with
polarity outside



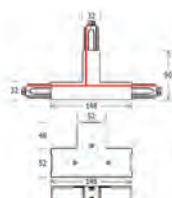
ST-E T/PE-OUT-L/9013
T-connector with
polarity outside left



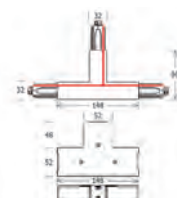
ST-E T/PE-OUT-R/9014
T-connector with
polarity outside right



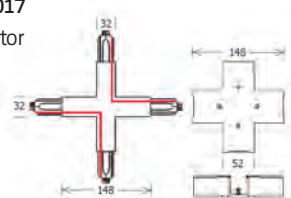
ST-E T/PE-IN-L/9015
T-connector with
polarity inside left



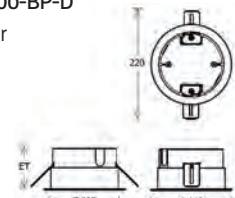
ST-E T/PE-IN-R/9016
T-connector with
polarity inside right



ST-E X/9017
X-connector

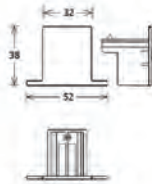


ST-E MONO/9000-BP-D
3-phase adapter

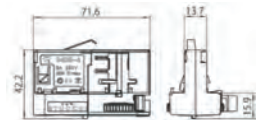




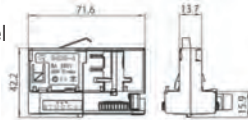
ST-E CAP/9004-R
End cover



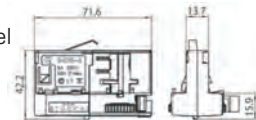
ST-A 30
ONETrack
adapter
black, white



ST-A 30 M10
ONETrack
adapter with
threaded nipple
M10
black, white



ST-A 30 M13
ONETrack
adapter with
threaded nipple
M13
black, white



ST-A 30B M13
ONETrack
adapter DALI
with threaded
nipple M13
black, white



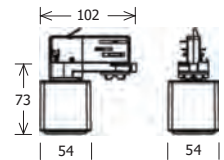
ST-ZCOV/S-9000/GP
Cover strip
black, white, grey



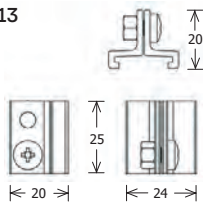
ST-ZCOV/S-9000/TP
Cap



ST-ZSCHUKO/4230V
Socket adapter
for 3-phase track
black, white

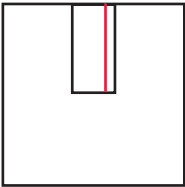


ST-E S/S-9000-313
Pendant bracket
for 3-phase
recessed track
grey (aluminum)

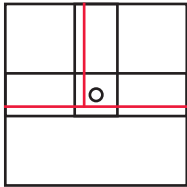


ONETrack

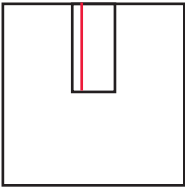
Surface-Mounted & Recessed · Polarity



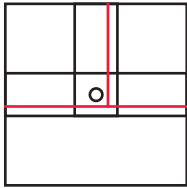
End feeder
conductor right
9001



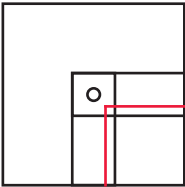
T-connector
conductor outside left
9013



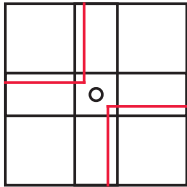
End feeder
conductor left
9002



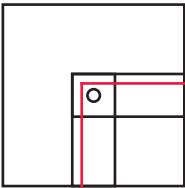
T-connector
conductor outside right
9014



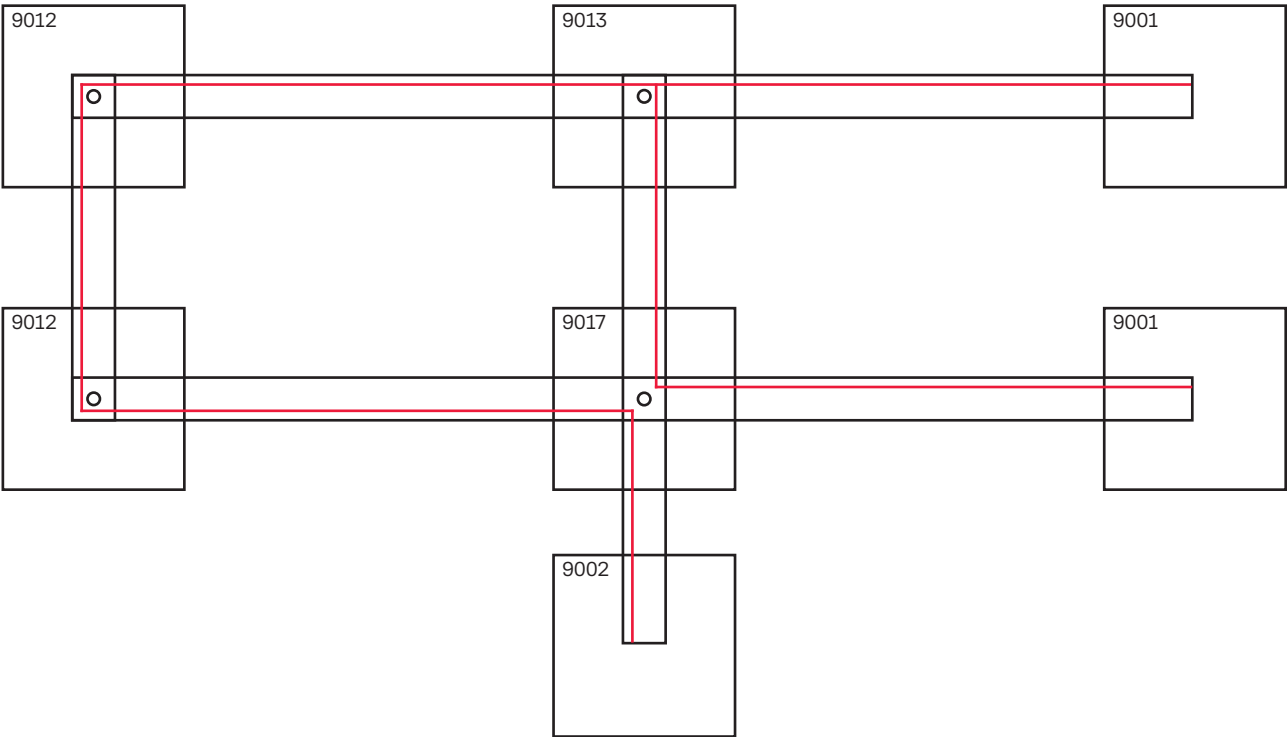
L-connector
conductor inside
9011



X-connector
9017



L-connector
conductor outside
9012



ONETrack

3-phase track and control signal

The ONETrack system is a 3 phase mixed system with two additional conductors intended to manage a general data signal (for example dali, dmx, lon, eib, etc.). The system is EN 60570 certified and its installation must be accomplished by highly qualified person. There are four possible installation systems: directly on ceiling or on wall, using the mounting holes (pic. 1a)

on the track (use a countersink head screw, pic. 1b), on ceiling or on wall using a metal clip (code S-9000/111), hanging by the suspension (see the catalog) or recessed without exceeding the maximum loads (pic. 2). During the wiring the electrical the scheme of pic. 3 must be followed.

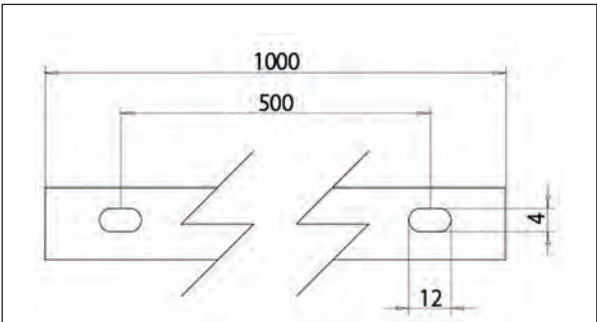


Fig. 1a Mounting holes position

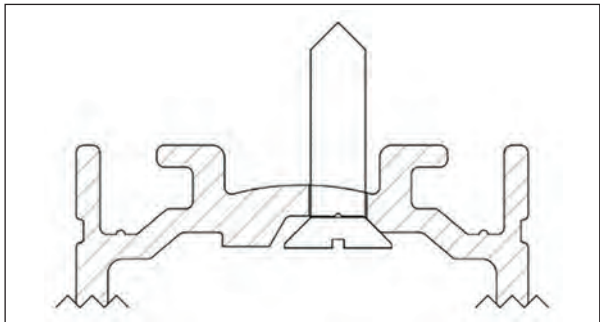


Fig. 1b Screw position

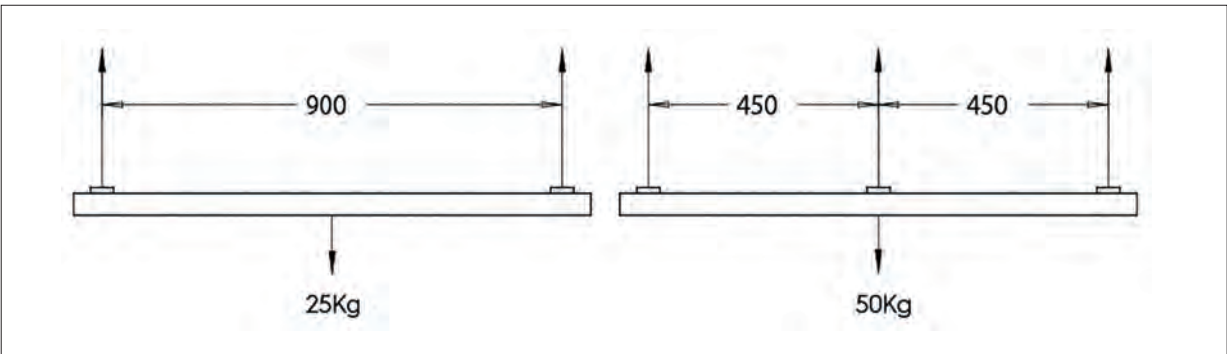


Fig. 2 Load scheme

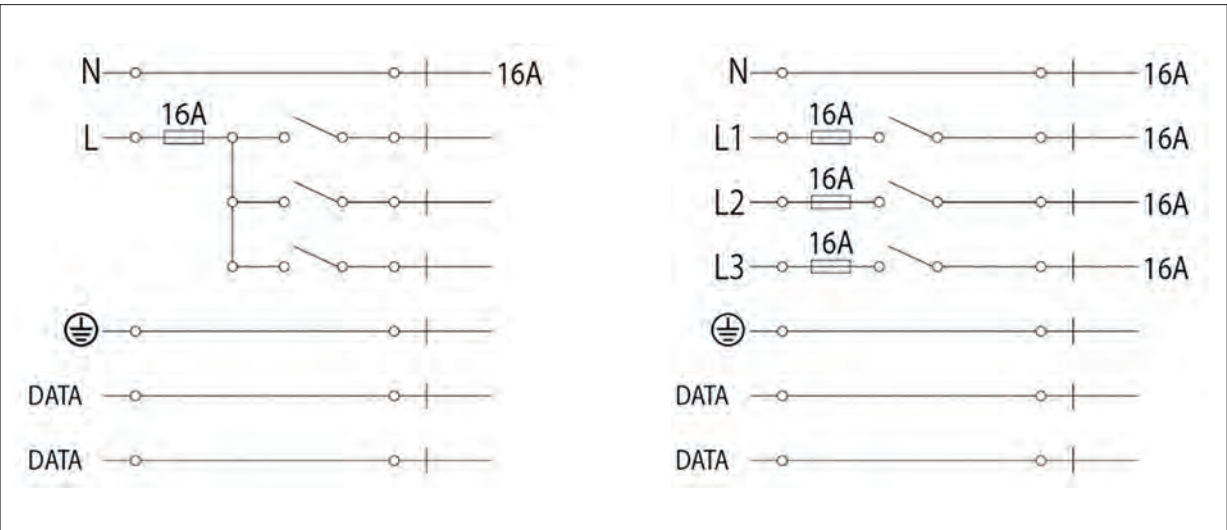


Fig. 3 Electrical scheme

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General Terms and Conditions

I Scope of Application

- 1) The present General Terms and Conditions (GTC) shall apply to all business relations between LTS Licht & Leuchten GmbH (referred to as "Supplier" below) and the customer (referred to as "Purchaser" below). The GTC shall only apply if the Purchaser is an entrepreneur (§ 14 BGB, German Civil Code), a legal entity under public law or a special fund under public law.
- 2) These General Terms and Conditions shall also be deemed included and applicable in any future business relationships also if they are not expressly referred to again.
- 3) Any individual covenants agreed on a case-to-case basis with the Purchaser (including any side agreements or amendments) shall in all cases have precedence over these GTC. The content of such covenants shall be evidenced by a written contract or a written confirmation of the Supplier unless proof of the contrary is provided.
- 4) Our General Terms and Conditions shall be valid exclusively. Any differing, conflicting or supplementary General Terms and Conditions of the Purchaser shall only become part of the contract if and to the extent the Supplier expressly confirms their validity. This confirmation requirement shall apply in any case, including but not limited to the case where the Supplier is aware of the Purchaser's GTC and executes delivery to the Purchaser without making a reservation to this effect.
- 5) All legally relevant statements and notifications of the Purchaser regarding the contract (e.g. setting of time-limits, notification of defects, cancellation or reduction in price) shall be made in writing, i.e. in written/text form (e.g. letter, e-mail, telefax). The formal legal requirements and other evidence – particularly in case of doubt about the legitimation of the person making the statement – shall remain unaffected.

II Conclusion of Contract/Content of Contract/Prices

- 1) The Supplier's offer is subject to confirmation. This shall also apply if the Supplier submitted catalogues, product descriptions or technical documentation (e.g. drawings, plans, calculations) to the Purchaser in the run-up to the contract, unless otherwise expressly agreed.
- 2) The purchase order submitted by the Purchaser for the goods shall be considered as a binding offer to enter into a contract. The Supplier shall be entitled to accept this offer of contract within 1 week after receipt unless otherwise evident from the purchase order.
- 3) Acceptance of the offer is declared by the Supplier either in writing (e.g. by an order confirmation) or by delivery to the Purchaser. The content and scope of supplies and services shall be governed by the Supplier's written order confirmation. The decisive nature of the written order confirmation shall also apply to any purchase orders placed with the Supplier's sales agents and/or field representatives.
- 4) The Supplier's information about the subject of the supply or service (e.g. weights, dimensions, serviceability, capacity, tolerances and technical data) and any representation thereof (e.g. drawings and figures) is only approximative information unless its usability for the contractual purpose requires precisely matching data. Such information does not constitute warranted properties but merely describes or identifies the supply or service. Deviations usual in the trade and deviations occurring due to legal requirements or constituting technical improvements as well as any substitution of components by other equivalent parts shall be acceptable as long as this does not affect the usability for the contractual purpose.
- 5) The basis for price calculations shall be the price lists valid at the time of signing a contract or the object-specific prices specified in an offer, as applicable.
- 6) Prices are understood plus value added tax at the applicable statutory rate unless already included. For a net value of the goods of less than 250.00 €, an extra charge for small quantities in the amount of 50.00 € plus value added tax at the applicable statutory rate will be charged in addition. All prices indicated shall apply within the Federal Republic of Germany (except German islands) including costs of freight and transport unless otherwise agreed. Deliveries to German islands and outside of the Federal Republic of Germany are subject to an individual agreement. If the Purchaser should want to have the shipment sent by express, this must be expressly agreed along with the express charges incurred.
- 7) The Supplier reserves the property and copyright regarding the use of quotations, drawings and other documents (referred to as "documents" below) without any restriction. Documents shall not be disclosed to any third party without the prior consent of the Supplier and must be returned immediately on request if the order is not placed with the Supplier. Phrases 1 and 2 shall apply accordingly for Purchaser's documents, however, these may be disclosed to those third parties which have been appropriately commissioned with deliveries by the Supplier.

III Delivery Periods/Delay in Delivery

- 1) The delivery period shall be agreed individually or specified by the Supplier when accepting the purchase order. Otherwise the delivery period shall be about 4 weeks from conclusion of contract.
- 2) Compliance with delivery periods is contingent upon timely receipt of any and all specifications, documents, necessary licenses and approvals to be provided by the Purchaser, particularly any drawings, and adherence to the agreed terms of payment and other obligations on the part of the Purchaser. If these prerequisites are not fulfilled in due time, the delivery periods shall be extended reasonably and proportionately unless the delay should be attributable to the Supplier.
- 3) Any fixed-date contracts (§ 376 HGB – German Commercial Code) are subject to express agreement.
- 4) If the Supplier should be unable to keep a binding delivery period for reasons beyond its control (unavailability of service), it will inform the Purchaser about

this without delay and communicate the anticipated new delivery period at the same time. If the service should still be unavailable within the new delivery period, the Supplier shall be entitled to cancel the contract in full or in part; any consideration already effected by the Purchaser will be reimbursed without delay. This concept of unavailability of service shall include, without limitation, failure of timely delivery by the Supplier's sub-supplier if the latter had concluded a congruent covering contract, neither the Supplier nor the sub-supplier is at fault or the Supplier should not be obliged to make the procurement in an individual case.

5) The existence of a delay in delivery of the Supplier shall be governed by the statutory provisions. However, a reminder by the Purchaser shall be required in any case. If the Supplier should get into delay in delivery, the Purchaser shall be entitled to claim liquidated damages due to delay. The flat charge for damages shall be 0.5% of the net price (delivery value) for each full calendar week of delay, however, not exceeding a total value of 5% of the delivery value of the goods delivered with a delay. The Supplier shall be at liberty to prove that the Purchaser has not suffered any loss or only a substantially lower loss than the flat charge specified above.

6) The Purchaser is obliged to state on Supplier's request and within reasonable time whether it will cancel the contract for delay in delivery and/or demand damages in lieu of performance and/or insist on delivery.

7) The Purchaser's rights according to clause IX of these GTC and the Supplier's statutory rights – particularly in case of inapplicability of the obligation to perform (e.g. impossibility or unreasonableness of rendering the service and/or remedial performance) shall remain unaffected.

IV Delivery/Passage of Risk/Acceptance/Delay in Acceptance

- 1) Shipment will be made within the Federal Republic of Germany (except German islands), unless otherwise agreed, by order of the Supplier and by a carrier of its choice. The Supplier shall make the goods available at the place of destination ready for unloading but not yet unloaded. The Supplier shall bear all costs and risks as far as to the agreed destination and not yet unloaded (DAP Incoterms 2010). Deliveries to German islands and outside of the Federal Republic of Germany and express deliveries are subject to an individual agreement.
- 2) The Purchaser shall designate in reasonable time before shipment of the goods one or more persons by name who are definitely authorized to receive the shipment and sign the delivery note. This shall apply particularly if the goods are to be shipped to a destination other than the Purchaser's domicile.
- 3) If the Purchaser should refuse acceptance without justification, fail to cooperate as required or if delivery by the Supplier is delayed for other reasons for which the Purchaser is responsible, the Purchaser shall be deemed in default of acceptance and the risk passes to the Purchaser. In this case the Supplier shall be entitled to demand compensation for the loss thereby incurred, including any additional expenses (e.g. storage costs). If the Supplier should incur storage expenses, these shall be subject to a flat charge of 0.25% of the invoice amount for the delivery goods to be stored per month or part thereof. The Supplier reserves the right to claim higher or lower costs of storage.
- 4) The Supplier shall only be entitled to make partial deliveries if
 - the partial shipment can be used by the Purchaser within the scope of the contractual intended use,
 - delivery of the remaining goods ordered is ensured and
 - the Purchaser does not incur any substantial additional efforts or costs (unless the Supplier is prepared to bear these costs).

V Terms of Payment

- 1) The purchase price shall be due and payable within 14 days from receipt of invoice and delivery of the goods.
- 2) After expiry of the above period allowed for payment, the Purchaser shall be in default. The purchase price is subject to interest for delay at the current statutory rate during the period of delay. The Supplier reserves the right to claim additional damages for delay. In relation to merchants/entrepreneurs, the claim to the commercial interest rate for delay (§ 353 HGB - German Commercial Code) shall remain unaffected.
- 3) The Supplier is not obliged to accept any bills of exchange. These will only be accepted on a case-to-case basis in lieu of performance and subject to specific agreements. Payment shall not be deemed effected until the cheque or bill of exchange has been honoured. Any discount and acceptance charges for a bill of exchange shall be at the expense of the drawer of the bill on the due date of the claim and are payable in cash immediately.
- 4) Notwithstanding any payment conditions agreed separately on a case-to-case basis, any claims to which the Supplier may be entitled shall become due and payable immediately if any circumstances should occur about the person of the Purchaser which make it unacceptable to continue with the payment terms agreed. This applies in particular if there are reasonable indications of a substantial deterioration of the financial standing of the Purchaser, including but not limited to stoppage of payments, cheque or bill protest or delay in payment, if it becomes evident that the Supplier's claim to payment of the consideration is jeopardized by a lack of capacity of the Purchaser. In these cases, the Supplier shall additionally be entitled to demand matching of payments with deliveries or demand further securities. The Supplier shall furthermore be entitled to set a reasonable time-limit within which the Purchaser has to match payment with delivery, providing either consideration or security at the Supplier's discretion. If this time-limit should elapse without success, the Supplier shall be entitled to cancel the contract.
- 5) The Purchaser shall only be entitled to assert a right to set-off or retention to the extent its claim is established as final and absolute or uncontested. In case of defects of the delivery, any counter-claims of the Purchaser shall remain unaffected, including but not limited to those pursuant to clause VII 4) of these GTC.

VI Retention of Title

- 1) The goods delivered (goods subject to retention of title) shall remain the Supplier's property until any and all claims to which the Supplier may be entitled versus the Purchaser from the business relationship are settled.
- 2) The Purchaser must neither pledge nor transfer by way of security any goods as long as they are subject to retention of title. In case of an order of attachment, seizure or other dispositions or interventions of any third party, the Purchaser shall notify the Supplier without delay.
- 3) The Purchaser shall be entitled to resell the goods subject to retention of title in the course of ordinary business if the Purchaser receives the compensation agreed or if prohibition of assignment is not agreed. The Purchaser hereby and now assigns to the Supplier by way of security any claim to the purchase price to which Purchaser may be entitled from resale. However, the Purchaser shall continue to be entitled to collect the claims assigned by way of security unless and until this authorization should be revoked. The authorization may be revoked if the Purchaser culpably fails or ceases to meet its contractual obligations. If the collection authorization should be revoked, the Supplier shall be entitled to notify the assignment effected. The Purchaser shall be obliged to make the documents required for notification of the assignment and for collection available without delay.
- 4) If the Purchaser should pledge the goods subject to retention of title to a third party or transfer them by way of security contrary to paragraph 2 and/or make them subject of a factoring and/or sale-lease-back scheme, this shall not be considered as a resale in the ordinary course of business.
- 5) In case of conversion and/or further processing of goods subject to retention of title, this shall be by order and on behalf of the Supplier as the manufacturer pursuant to §§ 950 ff. BGB. In this case, the Supplier shall have (joint) ownership in the goods produced by conversion and/or further processing of the goods subject to retention of title in proportion with the value of the goods subject to retention of title and the value of the new goods at the time of conversion and/or further processing. Moreover, the Supplier shall be entitled to proportional joint ownership of the new goods if goods of third parties are included in the processing of the goods subject to retention of title. If the Purchaser should resell the new goods produced, the Purchaser hereby and now assigns to the Supplier by way of security any claim to which Purchaser may be entitled from resale in the amount of the value of the goods subject to retention of title.
- 6) In case of any damage or other deterioration of the goods subject to retention of title, the Purchaser shall notify the Supplier without delay. The Purchaser hereby and now assigns to the Supplier by way of security any claim against any third party to which Purchaser may be entitled from the damage or deterioration.
- 7) Insofar as the value of all liens to which the Supplier may be entitled should exceed the amount of all claims secured by more than 20 %, the Supplier will release a proportionate part of the liens on Purchaser's request.
- 8) In case of a breach of duties on the part of the Purchaser, including but not limited to default of payment, the Supplier shall be entitled to cancel the contract and take back the goods subject to retention of title. The Purchaser is obliged to surrender them. The Supplier's taking back the goods subject to retention of title and/or assertion of the retention of title alone does not require Supplier's cancellation of contract and shall not be deemed as an implied notice of cancellation of contract unless the Supplier states expressly that these actions be considered as cancellation.

VII Warranty

- 1) With regard to the Purchaser's rights in the case of defects as to quality or title, the statutory regulations shall apply unless otherwise stipulated below. In all cases, the special statutory provisions relating to final delivery of goods to consumers shall remain unaffected (supplier regress pursuant to §§ 478, 445a, 445b BGB).
- 2) The Purchaser shall inspect the goods delivered for proper condition without delay and notify any obvious defects to the Supplier within a period of 10 days from receipt of goods in written or text form (e.g. letter, e-mail, telefax). For hidden defects, this time-limit shall apply accordingly as soon as they are discovered. If the Purchaser should fail to make this inspection and/or notification of defect, the Supplier's liability shall be excluded for the defect not notified in time or properly or not at all in accordance with the statutory regulations.
- 3) In case of a justified complaint, i.e. if there are defects in quality, the cause of which had already existed at the point of time of passage of risk, the Supplier shall have the option of repair (rectification of defect) or replacement (subsequent delivery) at its discretion. The Supplier's right to refuse supplementary performance under the statutory provisions shall remain unaffected.
- 4) The Supplier is entitled to make any supplementary performance owed contingent upon Purchaser's payment of the purchase price due. However, the Purchaser is entitled to retain a part of the purchase price in reasonable and acceptable proportion with the defect.
- 5) If the Supplier should choose to deliver an item free of defects by way of supplementary performance, the Purchaser shall be obliged to surrender the defective item. The same shall apply accordingly for defective components if these are replaced by components free of defects by way of repair. The provisions of § 439 para. 2, 3 and 4 BGB and § 445a BGB shall remain unaffected.
- 6) If supplementary performance failed or a reasonable time-limit to be set by the Purchaser for supplementary performance should have elapsed unsuccessfully, the Purchaser shall be entitled to cancel the contract or reduce the purchase price. However, there is no right to cancel the contract for minor defects.
- 7) Purchaser's claims for defects shall not be justified for ordinary wear and tear or any damage caused after passage of risk as a result of improper or negligent treatment, excessive strain, use of inappropriate materials, poor construction work, inadequate foundations or due to extraordinary outside

effects which were not anticipated when concluding the contract. If the Purchaser or any third party should make any inappropriate modifications or repairs, these and any resulting consequences shall not justify any claims for defects.

- 8) In all other respects, section IX shall govern any claims for damages. Any claims of the Purchaser against the Supplier and the latter's vicarious agents for material defects beyond or other than those addressed in this clause and clause IX shall be excluded.

- 9) The Supplier offers a warranty of 5 years for the LED standard products. For the LED standard luminaires, the Supplier warrants 50,000 hours within 5 years for the rating L80 B20.

VIII Return of Goods

- 1) Returning of goods free of defects is subject to the Supplier's prior consent. For this purpose, the Supplier will send a goods return voucher form to the Purchaser. Goods returned shall exclusively be accepted subject to the conditions specified in the goods return voucher; these conditions are deemed to be accepted by the Purchaser by returning the goods. LED products are only taken back by the Supplier within 90 days and in original sealed packaging. If goods are returned without a goods return voucher, the Supplier shall be entitled to refuse acceptance of the goods.
- 2) The Supplier charges a flat rate of 20% of the value of the goods for handling and processing expenses for goods returned. The Purchaser shall be at liberty to prove that the Supplier's loss is actually lower. The Purchaser shall bear any and all costs of transport, packaging, outer packaging and any repair, if applicable.

IX Damages/Liability

- 1) In case of any violation of contractual and non-contractual duties, the Supplier shall be liable according to the statutory regulations insofar as there are no other stipulations in these General Terms and Conditions including the subsequent provisions.
- 2) The Supplier shall be liable for damages – regardless of the legal basis – under the concept of tortious liability in case of intent or gross negligence. In cases of ordinary negligence, the Supplier shall be liable – with the reservation of a lower level of liability according to statutory provisions (e.g. due care as in its own affairs) – only
 - a) for injuries of life, limb or health,
 - b) for damage resulting from a significant violation of an essential contractual obligation (an obligation which is a prerequisite for proper execution of the contract and the fulfilment of which the contractual partner does and may regularly rely on); however, in this case the Supplier's liability shall be limited to compensating for the foreseeable typical damage.
- 3) The limitation of liability pursuant to para. 2 shall also apply to any breach of duty by or to the benefit of persons for faults of whom the Supplier is responsible under statutory provisions. They shall not apply insofar as the Supplier has fraudulently concealed a defect or offered a warranty for the condition of the goods and for any claims of the Purchaser under the product liability legislation.

X Statutory Limitation

- 1) Notwithstanding § 438 para. 1 no. 3 BGB, the general statutory period of limitation for claims for defects in quality and title shall be one year from the date of delivery. If an acceptance procedure has been agreed, statutory limitation shall begin on acceptance.
- 2) However, if the subject-matter is a building or an item used for a building according to its typical use and caused its deficiency (construction material), the statutory period of limitation pursuant to the statutory regulations is 5 years from delivery (§ 438 para. 1 no. 2 BGB). Any other special regulations on statutory limitation shall also remain unaffected (including but not limited to § 438 para. 1 no. 1, para. 3, §§ 444, 445b BGB).
- 3) The above specified statutory periods of limitation of commercial law shall also apply to any contractual or non-contractual claims for damages of the Purchaser based on a defect of the goods, unless application of standard statutory limitation (§§ 195, 199 BGB) would result in a shorter period of limitation in an individual case. However, any claims for damages of the Purchaser pursuant to clause IX para. 2 phrase 1 and phrase 2(a) as well as under product liability legislation shall exclusively be governed by the statutory periods of limitation.

XI Final Provisions

- 1) The legal relationship under this contract shall be governed by material German law, excluding the application of the United Nations Convention on International Sale of Goods.
- 2) If the customer is a merchant/entrepreneur or a legal entity under public law or a special fund under public law, the legal venue for all disputes arising out of the contractual relationship shall be the domicile of the Supplier as far as legally admissible. The supplier shall also be entitled to take action before the court having jurisdiction for the Purchaser's domicile. Any imperative regulations on exclusive venues shall remain unaffected by this provision.
- 3) If any provision of these General Terms and Conditions or any clause contained in other agreements should be or become void, this shall not affect the validity of all other provisions or agreements.

Imprint

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PEFC-zertifiziertem Papier
stammt aus nachhaltig
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Legend

 A++ Energy efficiency rating	 L80 B20 50 000h Average service life	 IEC protection: Class III	 PRODUCE Special light colour for lighting fruit and vegetables
 CE CE conformity	 CRI 80 SDCM3 LED colour rendering index	 RoHS EU directive 2001/65/EU Restriction of the use of certain hazardous substances in electrical and electronic equipment	 FASHION Special light colour for lighting fashion products
 15° Beam angle	 IP20 IP rated	 TWL Tunable White Light LED white spectrum for spots (2700–6500 K) and for linear and surface modules (3000–6000 K)	 CONCRETE RECESSED Suitable for concrete installation
 BATWING Batwing reflector, e.g., for lighting aisles between shelves	 IK10 IK code	 TWPI Tunable White PiLED LED white spectrum: 2500–7000 K + colour, suitable for Human Centric Lighting applications	 LEAF SPRING Installation with leaf spring
 WALL-WASHER Wallwasher for uniform illumination of vertical surfaces	 BLACK SILVER WHITE Product colour	 TROOPING Trooping function Luminaire communication system for light and motion	 EMERGENCY LIGHTING Emergency lighting function
 HBT HBT version for accentuated lighting	 2700 K 3000 K 4000 K Colour temperature in K	 SENSOR Automatic daylight and presence sensors	 KG 11.0 Weight in kg
 DIM Dimmable	 MinusBlue MinusBlue High-performance LEDs for a natural light spectrum	 BAKERY Special light colour for lighting bakery products	 LUMEN PLUS This luminaire is also available in a more powerful version.
 DALI Dimmable via DALI bus	 IEC protection: Class I	 MEAT Special light colour for lighting meat and sausage products	

In the catalogue, all items are listed in the most popular colour temperature and with standard beam angles. Of course, our products are also available with other features which can be viewed via icons.



While standard options are available as part of our portfolio, we explicitly manufacture products with special options.

You can find our entire product range online. Please use the weblink provided on the right-hand product page of the catalogue, where you can also easily inquire about prices.

