Holistic lighting solutions integrate both the interior and exterior of a building because an ideally coordinated lighting concept extends through all areas. On the following pages we present lighting solutions for designing the complete urban environment and beyond – including our extended portfolio for light around buildings. A selection of both proven as well as new indoor luminaires offer additional design flexibility for your projects.

Whatever your requirements, we provide you with easy access to ideally coordinated, individual light. Custom-designed, future-compliant components and products are transformed into solutions from a single cast in terms of technology and design. With us as a partner you can look forward to optimum results because planning, technology and a product spectrum tailor-made for indoor and outdoor applications all come from a single source and are ideally matched. Place your trust in our depth of experience and lighting expertise. We have represented the very best in support, customer care and perfect light for more than 100 years in the indoor sector and for over 60 years in the outdoor sector. This is what we call SIMPLIFY YOUR LIGHT.
## PRODUCT PORTFOLIO

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The right solution for any application
For many companies the external lighting of their corporate buildings serves as an extended business card. To this end, functional, aesthetic and emotional aspects are paramount. Primarily, areas around buildings must be illuminated to enable quick and reliable orientation for employees and visitors. Furthermore, the building architecture and its surroundings can be showcased in a sophisticated way by using individually adapted and homogeneous lighting concepts. With their modern and purist design, TRILUX LED solutions blend harmoniously into their surroundings while simultaneously providing attractive accents.

More information on office lighting is available at www.trilux.com/office
Extreme performance in extreme conditions

Light for industry offers enormous potential for optimisation. Modern lighting systems not only reduce operating costs but also improve visual conditions, increase productivity, achieve better occupational safety and protect the environment. A further plus: all TRILUX luminaires fulfil their specific tasks in compliance with relevant standards. After all, safe is better than sorry. TRILUX light also always considers industrial areas in a holistic way – because technically mature lighting solutions are not only required in production halls and storage spaces. The corporate group also offers high-performance lighting concepts for all other applications, whether these be management offices, sanitary rooms, corridors, stairways, open areas, parking lots or the facades of buildings. In all applications the TRILUX brand promise of SIMPLIFY YOUR LIGHT applies. This is the simplest and most reliable path to a custom, future-safe lighting solution. And that’s a promise.

For further information about lighting in industry applications see www.trilux.com/industry
Top of the class in lighting

When it comes to not only improving learning conditions in schools but also achieving more safety and security in outdoor applications, TRILUX offers holistic solutions. Weather- and impact-resistant as well as shock-proof luminaires provide ideal visual conditions in playgrounds and sports fields and help to minimise the risk of injury. LED systems from TRILUX are the first choice: unbeatable in terms of energy efficiency, they also score with robustness and superior design. Whether for new constructions or refurbishments, the use of LED technology significantly reduces electricity costs and unburdens the environment. When planned and implemented correctly, LED systems therefore lay the foundation for a new level of quality in schools and education. TRILUX provides optimisation support for any lighting situation through its extensive service and product portfolio.

More information on lighting in educational facilities is available at www.trilux.com/education
How light stimulates purchases
Light is magical. It has the power to attract, it touches our souls, it can create moods and it influences our behaviour. In the shop and retail sector, light is a decisive factor when it comes to displaying products appealingly – in the best possible light, so to speak – whether indoors or outdoors. TRILUX lighting solutions confidently display merchandise and create ideal conditions for both buyers and sellers. To enable impressive shopping experiences for customers, the outdoor lighting concept is also vital. When used correctly, variable lighting concepts can highlight prestigious buildings such as shopping centres, outlets and retail parks in an ideal way. TRILUX offers an extensive portfolio of customisable lighting solutions for such applications. Attractive wall luminaire, bollard and column solutions allow for holistic lighting projects with a uniform overall appearance.

More information on shop & retail lighting is available at www.trilux.com/shop-retail
Parking space lighting for greater safety and security
Safety and orientation are the top priorities when illuminating car parks. Resistance to extreme weather conditions is also a must. It’s here that TRILUX luminaires score points with innovative lighting technology, high quality of light and robust constructions. With their modern, purist designs they blend ideally into the surroundings and simultaneously provide attractive accents. This way both visitors and employees easily find their way around and gain a positive initial impression at the same time. Luminaire versions with running light enable energy-saving because the light only activates if movement is detected.
PATHS

ORIENTATION MADE EASY
Illuminated paths for a safer feeling
Path lighting has the primary aim of safely and securely accompanying visitors and employees during hours of darkness. An elevated protection rating and good material quality are essential for resisting adverse weather conditions in the long run. Furthermore, luminaires should blend harmoniously into any architecture and complement outdoor concepts in terms of light, style and design. A task that TRILUX luminaires fulfil with distinction.
FACADES
PRESTIGIOUS OUTDOOR EFFECTS
**Accented facades for an attractive appearance**

Outdoor lighting that serves to showcase, not only to illuminate. Whether it comes to accenting architectural details or highlighting complete buildings and objects – TRILUX facilitates contemporary facade illumination with a variety of products that effectively meet requirements with high levels of energy efficiency. At the same time, visitors are provided with rapid and reliable orientation through the illumination of signage and entrance areas.

![Skeo Circ LED](page68.png)

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![Skeo Q spotlight LED](page86.png)

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OUTDOOR ENTRANCE AREAS

THE FIRST IMPRESSION COUNTS
Showcasing entrance areas for a warm welcome
There are various reasons for illuminating entrance areas leading to company buildings. An attractively illuminated entrance zone not only points the way for visitors and employees, but also provides improved orientation and illuminates possible tripping hazards such as stairs, thereby increasing safety. With the right lighting, any entrance is transformed into a real eye-catcher and creates an inviting atmosphere.
An attractive welcome for business partners, guests and employees
In many cases the entrance area is the first point of personal contact with a company, which means its importance is correspondingly high. The right light and suitable luminaires are decisive factors in achieving a harmonious overall impression. Entrance areas require a high and simultaneously uniform lighting level that facilitates orientation for visitors and employees without causing glare. TRILUX offers a wide range of lighting solutions with premium lighting effects and designs that offer new levels of flexibility for prestigious industrial architecture.
CORRIDORS AND STAIRWAYS

SAFE ORIENTATION
Functionality and good looks for stairways and corridors

When lighting corridors and stairways, functional aspects are often focused on – the areas must be illuminated perfectly to provide good orientation and enable safe movement. TRILUX luminaires offer even more: with their timelessly modern designs and attractive light, even long corridors and twisty stairways can be effectively displayed. A practical option: in areas with low traffic frequency, energy consumption can be cut without impairing safety by using a light management system with presence detection.
EXHIBITION SPACES

EFFECTIVELY PRESENTED
Individual light control for exhibition areas

Light is able to provide a variety of benefits – it can illuminate rooms brightly, provide strong contrasts, guide, support your brand presence, stimulate or calm down, showcase and be efficient at the same time. When planning a lighting concept each luminaire is assigned a definite lighting task. For instance, this could be the illumination of products, exhibits or the architecture itself. Our flexible lighting concepts enable ideal adaptation to changing objects in exhibitions by specifically and ideally aligning the luminaires. The colour temperature and illuminance can be modified to suit any purpose. Supplementary accents can be set using flexible recessed spotlights with adjustable inclination angles.
Motivation at the press of a button
Several personal adjustments are available when it comes to well-being in offices. Light in such cases adopts a central role. The standard-compliant, glare-free illumination of rooms and individual task areas supports concentrated, fatigue-free work over long periods. Technologies such as Human Centric Lighting also help to stabilise the personal biological rhythm. Overall, this improves the motivation of employees, enabling them to achieve higher performance levels.
For the innovations of tomorrow
The workplace of the future is already a part of everyday offices. The classic open-plan office is being replaced by open spaces made up of highly different zones: individual workstations, telephone cabins and discussion islands that enable highly flexible use. Desk sharing and clean desks are also part of open space offices, as are beanbags and standing workstations. Demands made on the quality of light are correspondingly high. The individual zones in the open space require individual and flexibly adaptable lighting (Human Centric Lighting). Specific light management ensures high levels of energy efficiency.
SANITARY FACILITIES
CLEANLY SOLVED
Glare-free solutions for sanitary areas
Sanitary areas should have a clean, bright and friendly appearance. The challenge lies in the fact that such rooms quickly create a glaring, sterile overall impression with their tiled walls and floors. An optimum lighting solution also demands a certain level of lighting design competence to avoid light reflections on mirrors for example. Modern LED technology enables sanitary facilities to be illuminated without glare, and it also creates pleasant atmospheres by individually specifying the light colour for example. Because sanitary areas are mostly used temporarily, energy costs for lighting can be significantly reduced by installing an intelligent light management system with presence sensors. Furthermore, Active versions with daylight sequences are an ideal solution for the often windowless washrooms.

Solvan Flow LED
www.trilux.com/solvanflow

Athenik Ligra Plus LED
www.trilux.com/athenikligraplus

Inperla Ligra Plus LED
www.trilux.com/inperlaligraplus

Acuro LED
www.trilux.com/acuro
Light that knows only winners

Dust, heat, low temperatures, humidity and vibrations – maximum and highly diverse demands are placed on light in industrial environments. TRILUX lighting solutions fulfil the complete range of specifications. This also applies to special cases. For this reason the TRILUX portfolio also contains systems for maximum hygiene requirements (e.g. the food industry), corrosive atmospheres (tyre warehouses and intensive animal husbandry) or for especially high-quality and completely glare-free light as needed for example with the quality inspection of coatings in the automotive industry. With the interplay of reliable lighting solutions and TRILUX Light Monitoring, annoying and expensive idle times in operation caused by maintenance work are prevented, and optimisation potential for energy consumption is identified. Furthermore, the right light as provided by Human Centric Lighting for example increases productivity levels in industry by 13%. This is verified by a current survey carried out by A.T. Kearney. Simultaneously, the number of accidents is reduced by 11% compared to conventional, obsolete lighting installations. With light like this, there are only winners.
WAREHOUSES

LARGE ROOMS WITH
MAJOR POTENTIAL
Intelligent lighting for all types of warehouses

Warehouses are a world of their own – large, windowless halls with high shelving constructions and relatively narrow aisles where workers need to move quickly and safely. Ideal lighting solutions are high-performance and durable luminaires with narrow or narrow-wide distribution reflectors and high levels of glare reduction. Optimum visual conditions must exist when looking up towards the hall ceiling as well, for example when sorting goods at high heights with forklift trucks. Warehouses are also typically large areas only entered for short periods of time and infrequently. To save energy, LED lighting solutions with light management systems featuring presence detection are recommended: luminaires are only switched on when people are in the detection range. Additional savings potential is enabled by TRILUX Light Monitoring that measures energy consumption in storage areas to derive options for optimisation.

A tip: specifically developed refurbishment solutions such as the TRILUX E-Line LED luminaire allow conventional lighting installations with T8 lamps to be simply and quickly upgraded.
CANOPIED OUTDOOR SPACES
EXTREME PERFORMANCE IN EXTREME CONDITIONS
The ultimate plus in safety
Outdoor luminaires must not only withstand bad weather but also dust, dirt and vibrations – no problem at all for robust TRILUX lighting solutions thanks to their high protection ratings and safety classes. They take even the most adverse conditions in stride without losses in terms of service life or quality of light.
In transition areas from the inside to the outside a danger often lurks that is also frequently underestimated: the abrupt change from bright to dark or vice versa hampers visual acuity, even if it is only for a short time. The eyes need to accommodate again to the new light conditions. This can be a problem particularly for forklift operators driving quite quickly even if their visual perception is only impaired for a few moments. Relief is produced by partially raising the lighting level – providing the ultimate plus in safety.
WORKS ROADS

IDEAL SOLUTIONS FOR SAFE WORK ROUTES
Optimum lighting for works roads

In the industrial sector the appropriate illumination of works roads is an important factor. This not only improves safety but also increases visual comfort to a great extent. TRILUX LED luminaires achieve simple orientation and improve accident prevention thanks to early detection of obstacles, which in turn facilitates work processes. And finally, the luminaires are precisely matched to their application area in terms of efficiency, durability and quality of materials.
OUTDOOR STORAGE SPACES/ WAREHOUSE AND LOGISTICS SPACES

TOUGH SOLUTIONS FOR ADVERSE WEATHER
Quick, safe orientation in outdoor storage facilities
Baking heat, bitter cold, rain and snow – illuminating outdoor storage areas is a challenging task. Optimum visual conditions must exist at all times and in every type of weather for non-canopied areas. People need to quickly find their way about and safely move on foot and in vehicles. Text and designations, e.g. labels and delivery notes on stored goods must be identified and read at a glance. Light in outdoor storage areas must therefore be bright without causing glare, and keep operating costs under control, because with regard to area size energy consumption can be significant. TRILUX lighting solutions for outdoor storage facilities feature high levels of functionality, mature and especially efficient lighting technology and tough workmanship with high protection ratings and classes. And because all outdoor storage areas despite their common factors are unique, light distribution characteristics and lamp configurations can be flexibly modified to specific framework conditions.

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*please observe the application-specific limitations.
OUTDOOR
SALES SPACES

STIMULATING PURCHASES
Welcome!
Light is an important tool when it comes to orientation and accenting as well as showcasing buildings and objects. Outdoor sales areas are a particular challenge for lighting in this regard, because light not only has the task of supporting the work of employees but also must directly influence the customers' desire to buy. Modern and efficient TRILUX LED solutions showcase products in precisely the right light.

*please observe the application-specific limitations.
SCHOOL PLAYGROUNDS

LIGHT: A+
Safe light around the school
Reliable lighting solutions for school playgrounds ensure safety and orientation. It takes especially robust luminaires to not only resist adverse weather in the long run, but also to withstand knocks and kicks by children at play. TRILUX luminaires are the ideal solution for light around buildings. And what’s more, they are compelling in terms of energy and cost efficiency, high quality of light and low-maintenance lighting technology.
The sports sector is no exception when it comes to the challenge of changing leisure habits, and artificial light is becoming ever more important in this regard. Competitions and training situations in various sports require ideal lighting, even in rough conditions and all kinds of weather. TRILUX LED systems are compelling in terms of energy efficiency and robustness, and reliably provide ideal visual conditions both indoors and outdoors.
PLAZAS AND PEDESTRIAN ZONES

LIGHT ATTRACTS PEOPLE
Attractively designed plazas and pedestrian zones promote economic activity, create atmospheres and thus lead to image improvements. Urban spaces can be redesigned with lighting solutions in fascinating ways, actively contributing to preventing crime. Be it day or night – TRILUX LED luminaires create a tremendous attraction for appreciated guests, while at the same time deterring those who are not welcome.
LIGHT ATTRACTS PEOPLE
**Stimulating purchases**

In the retail sector, light is specifically used to display merchandise and positively influence purchasing behaviour. In the food sector the right light with suitable colour temperature emphasises the quality of food products, lending them an authentic and appetising appearance. In fashion outlets the challenge is to achieve the perfect balance between attention-grabbing displays and highly natural presentations. Colour rendering in such cases is a decisive factor in achieving the desired effect. Shop windows must be impactful from a distance and serve as a business card for the retail outlet, while peripheral zones establish orientation and simultaneously attract customers into the space.

With individual lighting concepts, market-compliant standard and custom products as well as an extensive range of services, Oktalite is a highly reliable partner for sales promotion with light.
LUTERA 90/100/200 LED

GROUND-RECESSED SPOTLIGHT

Lutera 90 LED – 8501: small construction size
Lutera 100 LED – 8511: medium construction size
Lutera 200 LED – 8521: large construction size

Lutera 90 – 8501: lens technology 3 LED
Lutera 100 – 8511: lens technology 6 LED
Lutera 200 – 8521: lens technology 9 LED, reflector technology 1COB-LED

- Rotationally symmetric narrow distribution (10°)
- Rotationally symmetric medium-wide distribution (30°)
- Rotationally symmetric wide distribution (50°)

Lutera 90 – 8501: 500 lm
Lutera 100 – 8511: 1,000 lm
Lutera 200 – 8521: 1,650 lm – 2,900 lm

K

> 100,000 h

Accessories:
- stainless steel cover plate, round
- stainless steel cover plate, square
- mounting housing, normal
- mounting housing, expanded
- RGB components
- ribbed glass (ZRG)
- frosted cover (ZFM)
Air-tight sealed cable transition area to prevent the entry of moisture.

Round and square stainless steel cover plate

www.trilux.com/lutera90
www.trilux.com/lutera100
www.trilux.com/lutera200
Altigo G2 WO [walk-over]
Altigo G2 WO 60: 9 LED
Altigo G2 WO 120: 18 LED

- Rotationally symmetric narrow distribution (10°)
- Rotationally symmetric medium wide distribution (30°)
- Rotationally symmetric wide distribution (50°)

Altigo G2 WO 60: 2,000 lm
Altigo G2 WO 120: 4,000 lm

K > 50,000 h

Accessories:
- IP66 supply units
- ground mounting enclosure
- RGB components
For greater light comfort, Altigo G2 is also available with frosted glass.

Transparent glass

Frosted glass

ALTIGO G2 60 mounting enclosure

ALTIGO G2 120 mounting enclosure

www.trilux.com/altigo
8841: bollard luminaire
8841K: short bollard luminaire
8841W: wall luminaire

- Asymmetric wide distribution: AB2L, AB14L
- Rotationally symmetric wide distribution
- Further light distribution characteristics

700 lm – 850 lm

K

> 100,000 h

Accessories: continuous underground support for vandalism protection
Two different light distribution characteristics – asymmetric wide distribution and rotationally symmetric wide distribution.

Also available as a wall luminaire

8841

8841K

8841W

www.trilux.com/8841
8851... LED
BOLLARD LUMINAIRE

8851: bollard luminaire
8851K: short bollard luminaire
8851W: wall luminaire

- Rotationally symmetric wide distribution
- 300 lm/1,000 lm/2,000 lm
- 3000 K, 4000 K
- > 100,000 h

Accessories: continuous underground support for vandalism protection
The bollard provides orientation and safety in the dark with an integrated design element.
HS 80 LED

BOLLARD LUMINAIRE

Direct-distribution lens system
- Rotationally symmetric medium-wide distribution

HS 80: 300 lm
HS 80 with twin configuration: 600 lm

> 80,000 h
Wide application spectrum

New, efficient LED modules

HS 80

Wide application spectrum

www.trilux.com/hs
SKEO Q LED BOLLARD

BOLLARD LUMINAIRE

- Asymmetric distribution

Single light emission: 700 lm
Double light emission: 700 lm
4-fold light emission is possible on request

$K > 100,000$ h
Bollard luminaire in three different construction sizes

SKEO Q B1

SKEO Q 5C

SKEO Q 80

www.trilux.com/skeoq
8841 LS 260: light column with
light emission at 2.60 m
8841 LS 360: light column with
light emission at 3.60 m
8841 LS 460: light column with
light emission at 4.60 m

- Asymmetric wide distribution: AB2L
- Rotationally symmetric wide distribution: RB6L
- Further light distribution characteristics

- Power reduction (LR)
- Power reduction, self-regulated (LRA)
- Light management and sensors

1,000 lm – 3,500 lm

- > 100,000 h

Accessories:
fixing with baseplate or continuous underground support
ConStela CS 20: Ø 200 mm
ConStela CS 23: Ø 230 mm

- Asymmetric wide distribution: AB2L
- Rotationally symmetric wide distribution: RB6L
- Further light distribution characteristics
- Spotlight modules:
  - rotationally symmetric narrow distribution: RE2L,
  - rotationally symmetric wide distribution: RB4L

- Power reduction (LR)
- Power reduction, self-regulated (LRA)
- Light management and sensors

CS 20: 1,650 lm – 3,500 lm
CS 23: 2,600 lm – 5,600 lm
Spotlight modules:
CS 23 S-Mod: 2,000 lm – 5,100 lm

> 100,000 h

Accessories:
- spotlight modules for illuminating objects, buildings or facades
- supporting column fixed via underground support (E): 3 m – 5 m in steps of 0.5 m
- fixing via flange plate (FP):
  - 3 m – 6 m in 0.5 m increments
ConStela IQ LED: multifunctional column with various modules, e.g. WiFi, charging station and radar sensor technology

ConStela LED Configurator: just a few clicks to your perfect light column

ConStela CS23 ES

ConStela CS20 FP

www.trilux.com/constela-led
SKEO PURA LED

SURFACE-MOUNTED WALL AND CEILING LUMINAIRE

Skeo Pura 26: small design
Skeo Pura 40: large design

Rotationally symmetric wide distribution

Skeo Pura 26: 500 – 750 lm
Skeo Pura 40: 1,100 – 1,650 lm

K > 5000 K, 4000 K

> 50,000 h
Available in two construction sizes. The luminaire can be used both indoors and outdoors.

Flat construction

Surface-mounting option

SKEO PURA 26

SKEO PURA 40

IP45 IK07

www.trilux.com/skeo-pura-led
SKEO CIRC LED
SURFACE-MOUNTED WALL AND CEILING LUMINAIRE

WD1 diameter 260 mm: diffuse distribution
WD2 diameter 350 mm: diffuse distribution

Multilumen: luminous flux can be set on site
WD1: 1,000 lm - 1,600 lm
WD2: 1,600 lm - 2,200 lm

Multicolour can be set on site
(3,000 K/4,000 K)

> 100,000 h
Wall or ceiling luminaire versions available

SKEO CIRC WD1

SKEO CIRC WD2

IP65

www.trilux.com/skeo-circ-led
SKEO R LED
SURFACE-MOUNTED WALL AND CEILING LUMINAIRE

Skeeo R D: surface-mounted ceiling luminaire
Skeeo R W: surface-mounted wall luminaire

- Symmetric distribution
- Asymmetric distribution

- Direct distribution:
  wide distribution

- Direct/indirect distribution:
  wide distribution – wide distribution

- GS: frosted glass
- GT: transparent glass

600 lm – 3,000 lm

K
3000 K, 4000 K

> 100,000 h
Transparent glass

Frosted glass

Direct distribution

Direct/indirect distribution

SKEO R W1

SKEO R W2

www.trilux.com/skeo-r-led
SKEO Q LED
SURFACE-MOUNTED
WALL AND CEILING
LUMINAIRE

Skeo Q D: surface-mounted ceiling luminaire
Skeo Q W: surface-mounted wall luminaire

- Rotationally symmetric distribution
- Asymmetric distribution
- Direct distribution:
  narrow distribution
  wide distribution
- Direct/indirect distribution:
  narrow distribution – narrow distribution
  wide distribution – wide distribution
  narrow distribution – wide distribution
- GS: frosted glass
- GT: transparent glass

20 lm – 2,800 lm

K 3000 K – 4000 K

> 100,000 h
### ALTIGO G2 LED

**Surface-Mounted Wall Luminaire & Recessed Ceiling Luminaire**

- **Altigo G2 10**: length 10 cm
- **Altigo G2 30**: length 30 cm
- **Altigo G2 60**: length 60 cm
- **Altigo G2 90**: length 90 cm
- **Altigo G2 120**: length 1.20 m

**Features**
- Rotationally symmetric narrow distribution (10°)
- Rotationally symmetric medium-wide distribution (30°)
- Rotationally symmetric wide distribution (50° & 70°)

- 100 lm – 4,000 lm
- CRI > 50,000 h

**Accessories**
- Supply units
- 50 mm wall fixing
- 100 mm wall fixing

---

![Image of ALTIGO G2 LED Luminaire](image-url)
Two wall fixings (50 mm and 100 mm) are available as accessories for flexible spacing to the wall. Can also be used as a recessed ceiling luminaire.

ALTIGO G2 1C

ALTIGO G2 3C

ALTIGO G2 6C

ALTIGO G2 9C

ALTIGO G2 12C

www.trilux.com/altigo
PAREDA SLIM LED
RECESSED WALL LUMINAIRE

- Asymmetric wide distribution
- 100 lm
- K 3000 K, 4000 K
- > 50,000 h

Accessories:
- mounting enclosure
The extremely low recess depth of just 72 mm enables highly convenient installation.

PAREDA SLIM

www.trilux.com/pareda-slim-led
Pareda R: rectangular design
Pareda S: square design

Direct distribution
• Asymmetric distribution

30 lm – 100 lm

K 3000 K

> 50,000 h
The recessed wall luminaire with its discreet design blends harmoniously into any installation situation.

The version with raised frame is especially suitable for rough wall surfaces.

PAREDA S

PAREDA R

IP45

www.trilux.com/pareda
HS I LED
WALL LUMINAIRE

Direct-distribution lens system
- Rotationally symmetric medium wide distribution

HS I: 300 lm

K
3000 K, 4000 K

> 80,000 h
Sharp edges and straight lines create an unmistakable form.

HS I

www.trilux.com.hs
LUTERA
90/100/200 C LED
RECESSED CEILING
LUMINAIRE

Lutera 90 C: small construction
Lutera 100 C: medium-sized construction
Lutera 200 C: large construction

- Rotationally symmetric medium wide distribution
- Rotationally symmetric wide distribution
- Asymmetric distribution

Lutera 90 C: 500 lm
Lutera 100 C: 1,000 lm
Lutera 200 C: 1,500 lm

K > 100,000 h

Accessories:
- Frosted glass
**Faciella LED Spotlight**

- **Faciella 08**: small construction
  - Lens technology – 3 LED
- **Faciella 15**: medium-sized construction
  - Lens technology – 6 LED or 9 LED
- **Faciella 20**: large construction
  - Lens technology – 18 LED, reflector technology – 1COB-LED

- Rotationally symmetric narrow distribution (10°)
- Rotationally symmetric medium-wide distribution (30°)
- Rotationally symmetric wide distribution (50°)

- **Faciella 08**: 500 lm
- **Faciella 15**: 1,000 lm – 2,000 lm
- **Faciella 20**: 2,600 lm – 4,200 lm

- **K**: >10,000 K
  - 3000 K
  - 4000 K

- **> 100,000 h**

**Accessories:**
- Post strap
- Post connection
- Ground stake
- RGB components
- Cylinder shield (ZZB)
- Ribbed glass (ZRG)
- Frosted glass (ZFM)
Settable inclination angle

Low installation effort – luminaire supplied with 5-metre connection cable.

Faciella with post strap or ground stake

FACIELLA 08

FACIELLA 15

FACIELLA 20

www.trilux.com/faciella-led
Skeo Q-S1: spotlight

- Rotationally symmetric narrow distribution (10°)
- Rotationally symmetric medium-wide distribution (30°)
- Rotationally symmetric wide distribution (50°)

450 lm

K 1000 K 4000 K

> 100,000 h

Accessories:
- ground stake
Square spotlight with reliable lighting technology

SKEO Q B1

www.trilux.com/skee-q-led
LUMENA STAR 40 LED
WIDE BEAM SPOTLIGHT

- Rotationally symmetric wide distribution: RB6L
- Asymmetric medium-wide distribution: AM2L

- Power reduction (LR)
- Power reduction, self-regulated (LRA)
- Light management and sensor technology

Lumena Star 40: 2,200 lm – 10,000 lm

K 3000 K – 4000 K

> 100,000 h

Pivotable luminaire head

Accessories:
- cross-arm, single configuration
- cross-arm, twin configuration 90°/180°
- cross-arm, 3-fold configuration
- cross-arm, 4-fold configuration

- for post spigot 76/89/108 mm
LUMENA STAR 70 LED
WIDE BEAM SPOTLIGHT

- Lumena Star 70: indirect reflector system
- Lumena Star 70: asymmetric medium-wide distribution: AM1R
- Further light distribution characteristics

- Power reduction (LR)
- Power reduction, self-regulated (LRA)
- Light management and sensor technology

Lumena Star 70: 8,200 lm – 32,000 lm

K
- > 60,000 h / 100,000 h

- Pivotable luminaire head

Accessories:
- cross-arm, single configuration
- cross-arm, twin configuration 90°/180°
- cross-arm, 3-fold configuration
- cross-arm, 4-fold configuration
- for post spigot 76/89/108 mm
Optimum heat dissipation ensures long service life

Indirect LED reflector system reduces impression of glare

LNSTAR 70

www.trilux.com/lumenastar70
COMBIAL 20/30/40 LED

SPOTLIGHT

- Rotationally symmetric wide distribution
- Asymmetric wide distribution

Combial 20: 3,500 lm/4,600 lm
Combial 30: 7,500 lm
Combial 40: 12,000 lm

K > 50,000 h
Spotlight inclination can be set on site

COMBIAL 20

COMBIAL 30

COMBIAL 40

www.trilux.com/combial
LUMEGA IQ
50/70/90 LED
POST-TOP AND
BRACKET-MOUNTED
LUMINAIRE

Lumega IQ 50: small construction size
Lumega IQ 70: medium-sized construction size
Lumega IQ 90: large construction size

- Asymmetric wide distribution
- Extremely asymmetric distribution/pedestrian crossings
- Symmetric wide distribution/paths and cycle paths
- Further light distribution characteristics

- Power reduction (LR)
- Power reduction, self-regulated (LRA)
- Light management and sensor technology
- Luminous flux constant control (CLO)

Lumega IQ 50: 1,000 lm – 5,600 lm
Lumega IQ 70: 3,200 lm – 16,500 lm
Lumega IQ 90: 13,500 lm – 29,000 lm

K 4,000 K 3,000 K

> 100,000 h

Accessories:
- Multiple post brackets
- Wall mountings
- Reduction pieces for Ø 42/48/60 mm
- Housing cover
Simple, flexible inclination adjustment

Opening and closing without tools

E-block operated without tools

LUMEGA IQ 50

LUMEGA IQ 70

LUMEGA IQ 90

www.trilux.com/lumegaq50
www.trilux.com/lumegaq70
www.trilux.com/lumegaq90
ViaCon: post-top luminaire
ViaCon A: bracket-mounted luminaire
ViaCon SHL: wire-suspension luminaire

- Asymmetric wide distribution
- Extremely asymmetric distribution/pedestrian crossings
- Further light distribution characteristics

- Power reduction (LR)
- Power reduction, self-regulated (LRA)
- Light management and sensor technology
- Luminous flux constant control (CLO)

800 lm – 8,200 lm
Wire-suspension luminaire: 2,600 lm – 13,500 lm

> 100,000 h

Accessories:
- multiple post brackets
- wall mountings
- reduction pieces for Ø 42/48/60 mm
VIATANA LED

POST-TOP AND
BRACKET-MOUNTED
LUMINAIRE

Viatana: post-top luminaire, 15° inclination angle
Viatana A: bracket-mounted luminaire
Viatana P: post-top luminaire, 0° inclination angle

MLTIQ

- Asymmetric wide distribution
- Symmetric wide distribution/paths and cycle paths
- Extremely asymmetric distribution/pedestrian crossings
- Further distribution characteristics

Free-form reflector
- Asymmetric wide distribution
- Extremely asymmetric distribution/pedestrian crossings

&

- Power reduction (LR)
- Power reduction, self-regulated (LRA)
- Light management and sensor technology
- Luminous flux constant control (CLO)

2,000 lm – 9,100 lm

K

> 80,000 h
> 100,000 h (MLTIQ)

Accessories:
- multiple post brackets
- wall mountings
- reduction pieces: Ø 42/48/60 mm
Computer-optimised free-form reflector

Zhaga-compliant LED module

Viatana P with multi-lens technology (MLT)®

Viatana

Viatana A

Viatana P

www.trilux.com/viatana
CUVIA LED
POST-TOP AND BRACKET-MOUNTED LUMINAIRE

Cuvia 40: small construction size
Cuvia 60: large construction size

• Asymmetric wide distribution
• Symmetric wide distribution/paths and cycle paths
• Further light distribution characteristics

&
• Power reduction (LR)
• Power reduction, self-regulated (LRA)
• Luminous flux constant control (CLO)

Cuvia 40: 1,000 lm – 3,200 lm
Cuvia 60: 3,500 lm – 8,200 lm

K
3000 K, 4000 K

> 100,000 h

Accessories:
• multiple post brackets
• wall mountings
• reduction pieces for Ø 42/48/60 mm
Light module can be separated from the base element with a single screw

Simple conversion for bracket mounting

CUVIA 40

CUVIA 60

www.trilux.com/cuvia40
www.trilux.com/cuvia60
**ONTRIA LED**

**POST-TOP AND BRACKET-MOUNTED LUMINAIRE**

**Ontria I:** small construction size  
**Ontria II:** small construction size  
**Ontria III:** large construction size

- Asymmetric wide distribution
- Power reduction (LR)

Ontria I: 3,600 / 6,200  
Ontria II: 9,100 / 12,000  
Ontria III: 15,000 / 20,000 / 24,000

**K** 6000 K

> 50,000 h

Accessories:  
- post mountings (mandatory)  
- multiple post brackets  
- wall mountings
Post mounting

Bracket mounting

ONTRIA I

ONTRIA II

ONTRIA III

www.trilux.com/ontria
Lumantix Z: cylinder luminaire
Lumantix K: cone luminaire
Lumantix P: classic luminaire

- Asymmetric wide distribution
- Rotationally symmetric wide distribution
- Symmetric wide distribution/paths and cycle paths
- Further light distribution characteristics

- Power reduction (LR)
- Power reduction, self-regulated (LRA)
- Smart-Lighting-Ready (SLR)

1,000 lm – 3,800 lm

> 100,000 h

Accessories:
- canopy for cylinder luminaire (lantern shape)
- multiple post brackets
- wall mountings
LUMANTIX Z (cylinder luminaire)

LUMANTIX Z + canopy (lantern)

LUMANTIX K (cone luminaire)

LUMANTIX P (classic luminaire)

Smart-Lighting-Ready (SLR)

www.trilux.com/lumantix-led
Convia: post-top luminaire
Convia M: post-top luminaire for mounting with accessory

- Asymmetric wide distribution
- Symmetric wide distribution/
  paths and cycle paths
- Further distribution characteristics

Free-form reflector
- Asymmetric wide distribution
- Symmetric wide distribution/
  paths and cycle paths

- Power reduction (LR)
- Power reduction, self-regulated (LRA)
- Light management and sensor technology

- 1,350 lm – 4,200 lm
- >100,000 h

Accessories:
- twin post brackets
Award-winning, minimalist design

Computer-optimised free-form reflector contour

Design flexibility for project solutions

CONVIA

CONVIA M

www.trilux.com/convia
Elle III: construction size III
Elle III-M2: construction size III with twin configuration
Elle IV: construction size IV
Elle IV-M2: construction size IV with twin configuration

Free-form reflector
- Asymmetric wide distribution

&
- Power reduction (LR)
- Power reduction, self-regulated (LRA)

Elle III: 1,800 lm – 3,500 lm
Elle IV: 3,500 lm – 5,100 lm

K
- 3000 K
- 4000 K

>100,000 h
Radiant appearance of light thanks to individual reflectors

Single and twin configurations for more design flexibility

ELLE III

ELLE IV

www.trilux.com/elle
Emporium: post-top luminaires

**MLTQ**
- Asymmetric wide distribution
- Rotationally symmetric wide distribution
- Further light distribution characteristics

- Power reduction (LR)
- Power reduction, self-regulated (LRA)

| 1,350 lm – 3,800 lm |

| K | 3000 K | 4000 K |

| >100,000 h |
Various light distribution characteristics in MLT version

EMPORIUM

1057
550
12
2
320
76

Various light distribution characteristics in MLT version.

www.trilux.com/emporium
9301K… / 9311… LED
SIDE-BRACKET MOUNTED LUMINAIRES

9301K…: small side-bracket mounted luminaire
9311…: side-bracket mounted luminaire

- Asymmetric wide distribution
- Symmetric wide distribution/paths and cycle paths
- Further distribution characteristics

&
- Power reduction (LR)
- Power reduction, self-regulated (LRA)

• MLTIQ:
  • 9301…: 1,000 lm – 4,200 lm
  • 9311…: 3,500 lm – 6,800 lm

K
3000 K / 4000 K

>100,000 h

Accessories:
• brackets
• wall mountings
Captive stainless steel screws for securing enclosure

Various light distribution characteristics in MLT version

9301K

9311

www.trilux.com/9301K

www.trilux.com/931
LUMEGA 600/700 LED
POSf TOP AND
BRACKET-MOUNTED
LUMINAIRE

Lumega 600: small construction size
Lumega 700: medium construction size

- Asymmetric wide distribution
- Symmetric wide distribution/
  paths and cycle paths
- Extremely asymmetric distribution/
  pedestrian crossings
- Further light distribution characteristics

- Power reduction (LR)
- Power reduction, self-regulated (LRA)
- Light management and sensor technology
- Luminous flux constant control (CLO)

Lumega 600: 1,000 lm – 9,100 lm
Lumega 700: 4,200 lm – 9,100 lm

>100,000 h

Accessories:
- multiple post brackets
- wall mountings
- reduction pieces Ø 42/48/60 mm
E-block removable without tools

Replaceable LED module

Compact conversion kits for installed luminaires with conventional lamp technology

LUMEGA 600

LUMEGA 700

www.trilux.com/lumega600
www.trilux.com/lumega700
Publisca P1: parabolic post mounting element
Publisca P2: trapezoid post mounting element
Publisca P1W: diffuser/parabolic post mounting element

- Asymmetric wide distribution
- Rotationally symmetric wide distribution
- Symmetric wide distribution:
  cycle paths and footpaths
- Further light distribution characteristics

- Power reduction (LR)
- Power reduction, self-regulated (LRA)
- Light management and sensor technology
- Luminous flux constant control (CLO)

1,000 lm – 5,600 lm

>100,000 h

Accessories:
- canopies for achieving lantern character
- reduction piece for post spigot Ø 60 mm
Modular luminaire construction

Freely accessible connection module

PUBLISCA P1

PUBLISCA P2

www.trilux.com/publisca
981...: lanterns
982...: indirect luminaires
983...: cone luminaires

- Asymmetric wide distribution
- Rotationally symmetric wide distribution
- Further light distribution characteristics

Secondary reflector optic
- Asymmetric wide distribution (IA)
- Symmetric wide distribution (IS)

- Power reduction (LR)
- Power reduction, self-regulated (LRA)

Secondary reflector: 1,200 lm – 2,200 lm
MLT®: 1,200 lm – 4,200 lm

- K 3,000 K 4,000 K

- > 50,000 h
- > 100,000 h (MLT®)

Accessories:
- brackets
- wall mountings
- reduction piece Ø 60 mm
- release bracket
Rapid luminaire mounting for cost savings

Service setting depth for easier installation and maintenance

9811
9821
9831

www.trilux.com/981
www.trilux.com/982
www.trilux.com/983
985···: classic luminaires
986···: classic cone luminaires
987···: classic luminaires

- Asymmetric wide distribution
- Rotationally symmetric wide distribution
- Further light distribution characteristics

Secondary reflector optic
- Asymmetric wide distribution (IA)
- Symmetric wide distribution (IS)

- Power reduction (LR)
- Power reduction, self-regulated (LRA)

Secondary reflector: 1,200 lm – 2,200 lm
MLT\textsuperscript{\textcircled{Q}}: 1,200 lm – 4,600 lm

\begin{itemize}
  \item \text{K} 3000 K
  \item \text{K} 2200 K
\end{itemize}

\begin{itemize}
  \item > 50,000 h
  \item > 100,000 h [MLT\textsuperscript{\textcircled{Q}}]
\end{itemize}

Accessories:
- brackets
- wall mountings
- reduction piece \(\varnothing\) 60 mm
- release bracket
Service setting depth for easier installation and maintenance
SONNOS LED
MULTIFUNCTIONAL DOWNLIGHT/SPOTLIGHT SYSTEM

Sonnos LED

- Recessed
- Surface-mounted
- Suspended

- Plasterboard ceilings
- Plastered gypsum ceilings
- Concrete ceilings

- Round
- Square

- Spot
  - Medium spot
  - Flood
  - Wide flood
  - Wallwasher

- Individual battery system, 3 hours
- White-white control
- UR versions for connecting to central battery systems

900 - 4,000 lm

K CRI 80/CRI 90

Switchable and dimmable (DALI)

- LiveLink-capable
Uniform family design

Many functions – one world of design

www.trilux.com/sonnos-led
PARELIA LED

CONTINUOUS LINE-CAPABLE SUSPENDED LUMINAIRES, SUITABLE FOR MOUNTING PARALLEL TO THE BUILDING AXIS

- Suspended
- Wide distribution
- Direct-indirect distribution

Individual luminaire: 13,000 lm
Continuous line centre luminaire: 11,500 lm

- > 50,000 h
- Switchable and dimmable (DALI)
- LiveLink-capable
- Monitoring
- Can be integrated in light management
Modern design with a lateral light line

<table>
<thead>
<tr>
<th>Dimension</th>
<th>H-L LED</th>
<th>H-LM LED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>1100</td>
<td>1293</td>
</tr>
<tr>
<td>Width</td>
<td>594,5</td>
<td></td>
</tr>
<tr>
<td>Height</td>
<td>1102</td>
<td>1102</td>
</tr>
<tr>
<td>Weight</td>
<td>1100</td>
<td>1505</td>
</tr>
<tr>
<td>Colour</td>
<td></td>
<td>1293</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>2107,5</td>
<td>1187</td>
</tr>
<tr>
<td>Efficiency</td>
<td>102</td>
<td>1505</td>
</tr>
</tbody>
</table>

www.trilux.com/parelia-led
BICULT LED

CUSTOMISABLE DESKTOP LUMINAIRE WITH GLARE-FREE INDIRECT COMPONENT

**Bicult LED**

- Desktop luminaire
- Direct-indirect distribution
  - Indirect: medium distribution
  - Direct: asymmetric distribution
- Comfort versions: active
- Smart Single versions: active / sensors / app
- Smart Connect versions: active / sensors / app / networking

5,500 lm (500 lm direct/5,000 lm indirect)

- Electronic control gear unit internally dimmable (ETDI)
- White-white control
- Daylight and presence sensor
- Luminaires networkable among each other
- Control via app

> 50,000 h
Control via app

BICULT

www.trilux.com/bicult-led
ARIMO SLIM SKY LED

RECESSED LUMINAIRES
WITH DIVERSE USES

Arimo Slim Sky LED

• Recessed

• Narrow-wide distribution

4,000 lm

• Dimmable (DALI)

> 50,000 h

• LiveLink-capable
A module ceiling with added value

ARIMO S SKY M73

ARIMO S SKY M84

www.trilux.com/arimo-slim-sky
E-Line LED

- Surface-mounted
- Suspended

- Narrow distribution
- Medium-wide distribution
- Narrow-wide distribution
- Wide distribution
- Double asymmetric distribution
- Asymmetric distribution
- Lambertian

- Individual battery system, 3 hours
- Switching relay for emergency power supply systems
- White-white control
- Daylight- and presence sensor

4,000 - 20,000 lm

- > 50,000 h/L80
- Switchable and dimmable (DALI)
- Switchable (multilumen)
- LiveLink integrated
- LiveLink-capable
- Monitoring-ready
- Constant Light Output (CLO)
Robust (IP54)

Simple mounting

www.trilux.com/eline-led
Nextrema G3 LED

- Surface-mounted
- Wall
- Suspended

- Wide distribution
- Narrow-wide distribution
- Extremely wide distribution

Daylight- and presence sensor
Individual battery system, 1 and 3 hours

2,300 lm/4,000 lm/6,000 lm/8,000 lm

- Switchable and dimmable (DALI), switchable

- LiveLink integrated
- LiveLink-capable
- Monitoring-ready
- Constant Light Output (CLO)-capable

85,000 h/L80/tq 35° C
High-quality manufacturing

High performance even at high mounting points

NEXTREMA LED G3 TB

NEXTREMA LED G3 B/XB

www.trilux.com/nextrema-g3-led
Mirona Fit LED

• Surface-mounted
• Wall
• Suspended

• Narrow-wide distribution
• Wide distribution
• Narrow distribution

• Presence sensor

13,000 - 52,000 lm

K 4000 K

> 50,000 h/L80

Switchable and dimmable (DALI)

• LiveLink-capable
• Constant Light Output (CLO)-capable
• Monitoring-ready
Especially resistant and durable even at ambient temperatures of up to 55 °C.

Innovative optics with enhanced glare control

**MIRONA FIT 13000**

**MIRONA FIT 26000**

**MIRONA FIT 52000**

www.trilux.com/mironafit
Lightpanel G2 LED

- Surface-mounted
- Suspended
- Track

- Wide distribution
- Double asymmetric distribution
- Lambertian

- Daylight and presence sensor

- 6,500 - 8,000 lm

- > 50,000 h

- Switchable and dimmable (DALI)
- Switchable

- LiveLink-capable
- Constant Light Output (CLO)
Can be rotated and fixed through 90° even after installation

LIGHTPANEL G2 OTR

LIGHTPANEL G2 LENS

www.trilux.com/lightpanel-g2
Grado Twin LED

- Track

- 2 x very wide flood

2 x 4,000 - 5,000 lm

- K

- > 50,000 h

- Switchable and dimmable (DALI = LED®)

- LiveLink-capable
Outstanding illumination and ideal upgrading of merchandise aisles with a unique, attractive twin spotlight.

www.oktalite.com/grado-twin
BONEO LED

A COMPACT SPOTLIGHT WITH SURPRISING DESIGN FEATURES

Boneo LED

- Track

- Spot
- Medium flood
- Flood
- Wide flood
- Very wide flood

1,500 - 4,000 lm

K

2700 K 3000 K 3200 K 3500 K 4000 K 5000 K 6500 K Flood

Θ

> 50,000 h

Switchable and dimmable (DALI = LED®)

- LiveLink-capable

140
Colour-contrasted cover rings and pivot joints transform the elegant Boneo into a visual highlight.

www.oktalite.com/boneo
LIMBA LED

MODERN SUSPENDED LUMINAIRES WITH A VINTAGE LOOK

Limba LED

- Suspended

- Spot
- Medium flood
- Flood
- Wide flood
- Very wide flood

1,500 - 5,000 lm

K

2700 K 3000 K 3100 K 3200 K 3500 K 6000 K Flood

> 50,000 h

Switchable and dimmable (DALI + LED®)

- LiveLink-capable
A wide selection of Limba shade and cable colours for individual colour designs.

www.oktalite.com/limba
# ACCESSORIES FOR DECORATIVE POST LUMINAIRES

## POST BRACKETS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Post Spigot</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>09800/2/76-II</td>
<td>Post Spigot Ø 76 mm</td>
<td></td>
<td>RAL 9005</td>
</tr>
<tr>
<td>09800/2/76-II 26</td>
<td>Post Spigot Ø 76 mm</td>
<td></td>
<td>DB 703</td>
</tr>
<tr>
<td>09800/3/76-II</td>
<td>Post Spigot Ø 76 mm</td>
<td></td>
<td>RAL 9005</td>
</tr>
<tr>
<td>09800/3/76-II 26</td>
<td>Post Spigot Ø 76 mm</td>
<td></td>
<td>DB 703</td>
</tr>
<tr>
<td>09300K/1/76</td>
<td>Post Spigot Ø 76 mm</td>
<td></td>
<td>RAL 9005</td>
</tr>
<tr>
<td>09300K/2/76</td>
<td>Post Spigot Ø 76 mm</td>
<td></td>
<td>RAL 9005</td>
</tr>
<tr>
<td>09310/1/76</td>
<td>Post Spigot Ø 76 mm</td>
<td></td>
<td>RAL 9005</td>
</tr>
<tr>
<td>09310/2/76</td>
<td>Post Spigot Ø 76 mm</td>
<td></td>
<td>RAL 9005</td>
</tr>
<tr>
<td>09310/3/76</td>
<td>Post Spigot Ø 76 mm</td>
<td></td>
<td>RAL 9005</td>
</tr>
</tbody>
</table>

Further versions available.

## WALL MOUNTINGS

<table>
<thead>
<tr>
<th>Code</th>
<th>Colour</th>
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</thead>
<tbody>
<tr>
<td>09800WB</td>
<td>RAL 9005</td>
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<tr>
<td>09800WB 26</td>
<td>DB 703</td>
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<tr>
<td>09300K-WB</td>
<td>RAL 9005</td>
</tr>
<tr>
<td>09310WB</td>
<td>RAL 9005</td>
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</table>

Further versions available.
### ACCESSORIES FOR TECHNICAL POST LUMINAIRES

#### MULTIPLE POST BRACKETS

<table>
<thead>
<tr>
<th>Post spigot</th>
<th>Ø 60 mm</th>
<th>Supports Ø 60 x 200 mm</th>
<th>Inclination angle 15°</th>
<th>Colour galvanised</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>0803/2/40-200-4C</strong></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Post spigot</th>
<th>Ø 76 mm</th>
<th>Supports Ø 60 x 200 mm</th>
<th>Inclination angle 15°</th>
<th>Colour galvanised</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>0803/2/76-200-4C</strong></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Post spigot</th>
<th>Ø 76 mm</th>
<th>Supports Ø 62 x 200 mm</th>
<th>Inclination angle 15°</th>
<th>Colour galvanised</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>0803/2/76-200-42</strong></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Post spigot</th>
<th>Ø 76 mm</th>
<th>Supports Ø 60 x 300 mm</th>
<th>Inclination angle 15°</th>
<th>Colour galvanised</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>0803/76-300-4C</strong></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Post spigot</th>
<th>Ø 76 mm</th>
<th>Supports Ø 60 x 350 mm</th>
<th>Inclination angle 15°</th>
<th>Colour galvanised</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>0803/3/76-350-4C</strong></td>
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<td></td>
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</table>

### WALL MOUNTINGS

<table>
<thead>
<tr>
<th>Supports Ø 62 x 100 mm</th>
<th>Inclination angle 15°</th>
<th>Colour RAL 7035</th>
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<table>
<thead>
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<th>Supports Ø 42 x 100 mm</th>
<th>Inclination angle 15°</th>
<th>Colour DB 703</th>
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<td><strong>0803WB/100-42 24</strong></td>
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<table>
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<th>Inclination angle 15°</th>
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<table>
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<th>Inclination angle 15°</th>
<th>Colour DB 703</th>
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<tbody>
<tr>
<td><strong>0803EMB/100-42 24</strong></td>
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* 0970/60 reduction piece additionally required for each luminaire. ** Ontria MB/60 additionally required for each luminaire.

---

**Viatana A*** **Lumega 600/700** **Cuvis** **Lumega 10** **ViaCon A** **Ontria**

---

* reduction piece 0970/42 additionally required. ** Ontria MB/42 additionally required for each luminaire. *** reduction piece Viatana ZR/42 additionally required.
## ACCESSORIES FOR PROJECTORS

### CROSS-ARMS

<table>
<thead>
<tr>
<th>Post Spigot</th>
<th>Ø 76/89 mm</th>
<th>Ø 76/89/108 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Post Spigot</td>
<td>Number of Projectors</td>
<td>1</td>
</tr>
<tr>
<td>Post Spigot</td>
<td>Colour</td>
<td>Galvanised</td>
</tr>
<tr>
<td>Post Spigot</td>
<td>Colour</td>
<td>Galvanised</td>
</tr>
<tr>
<td>Post Spigot</td>
<td>Colour</td>
<td>Galvanised</td>
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### Post Spigot

<table>
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<th>Ø 76 mm</th>
<th>Ø 76 mm</th>
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<tr>
<td>Number of Projectors</td>
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</tr>
<tr>
<td>Colour</td>
<td>Metallic grey, similar to RAL 9006</td>
</tr>
<tr>
<td>Colour</td>
<td>Metallic grey, similar to RAL 9006</td>
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<td>Colour</td>
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<tr>
<th>Ø 76 mm</th>
<th>Ø 76 mm</th>
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<tbody>
<tr>
<td>Number of Projectors</td>
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<td>Metallic grey, similar to RAL 9006</td>
</tr>
<tr>
<td>Colour</td>
<td>Metallic grey, similar to RAL 9006</td>
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</table>
**POSTS AND POST ACCESSORIES**

1. **Straight conical posts MGK**

   Compliant with DIN EN 40 for post-top luminaires, conical, round, steel, vertically welded, galvanised compliant with DIN EN ISO 1461. Post spigot Ø 76 mm x 130 mm or Ø 108 mm x 250 mm, calibrated. With continuous underground support (ground recessing depth H2), with 85 mm x 400 mm door cut-out, with support profile with two heat-resistant M6 sliding nuts and stainless steel grounding bolt, M8 x 16 mm. Door with lock catch and stainless steel M10 three-square bolt. With cable inlet 50 mm x 150 mm.

2. **Straight offset posts MGA**

   Compliant with DIN EN 40 for decorative post-top luminaires, cylindrical steel tubes compliant with DIN 2458, welded, conical tube transition. Galvanised compliant with DIN EN ISO 1461. Post spigot Ø 76 mm x 130 mm. With continuous underground support (ground recessing depth H2), with door cut-out 85 mm x 400 mm, with support profile with two heat-resistant M6 sliding nuts and stainless steel grounding bolt, M8 x 16 mm. Door with lock catch and stainless steel three-square bolt. With cable inlet 50 mm x 150 mm.

3. **Curved conical bracket posts MA**

   Compliant with DIN EN 40 for bracket-mounted luminaires, conical, round, steel, vertically welded. Galvanised compliant to DIN EN ISO 1461. Brackets circularly curved, inclination 15°. Post spigot Ø 60 mm x 130 mm, calibrated. With continuous underground support (ground recessing depth H2), with door cut-out 85 mm x 400 mm door cut-out, with support profile with two heat-resistant M6 sliding nuts and stainless steel grounding bolt, M8 x 16 mm. Door with lock catch and stainless steel M10 three-square bolt. With cable inlet 50 mm x 150 mm cable inlet.

Other versions and post accessories available.

<table>
<thead>
<tr>
<th>Reference</th>
<th>H1</th>
<th>H2</th>
<th>D1</th>
<th>D2</th>
<th>L1</th>
<th>L2</th>
<th>W</th>
<th>=kg</th>
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<tr>
<td><strong>Straight, conical posts MGK</strong></td>
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<td>76</td>
<td>114</td>
<td>2,000</td>
<td>1,000</td>
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<tr>
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<td>600</td>
<td>76</td>
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<td>2,500</td>
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<td>114</td>
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<td><strong>Curved conical bracket posts MA</strong></td>
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<td>0801 MA/80-60</td>
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<td>60</td>
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<th>Reference</th>
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<td>0802 KU/2</td>
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<td>0802 KU/3</td>
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## APPLICATION: PARKING SPACES

### Two-sided arrangement, opposite

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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<tbody>
<tr>
<td>Parking lot width</td>
<td>16 m</td>
</tr>
<tr>
<td>Post height</td>
<td>6 m</td>
</tr>
<tr>
<td>Inclination angle</td>
<td>10°</td>
</tr>
<tr>
<td>Luminaire for 5 lux</td>
<td>LnStar 40-AB2L/2200-740</td>
</tr>
<tr>
<td>Luminaire for 10 lux</td>
<td>LnStar 40-AB2L/4200-740</td>
</tr>
<tr>
<td>Luminaire for 20 lux</td>
<td>LnStar 40-AB2L/8200-740</td>
</tr>
<tr>
<td>Distance of start of parking lot to 1st Luminaire</td>
<td>12.5 m</td>
</tr>
<tr>
<td>Distance from luminaire to luminaire</td>
<td>37.5 m</td>
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</table>

### Arrangement on one side

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parking lot width</td>
<td>16 m</td>
</tr>
<tr>
<td>Post height</td>
<td>8 m</td>
</tr>
<tr>
<td>Inclination angle</td>
<td>10°</td>
</tr>
<tr>
<td>Luminaire for 5 lux</td>
<td>LnStar 40-AB2L/6200-740</td>
</tr>
<tr>
<td>Luminaire for 10 lux</td>
<td>LiQ 70-AB2L/12000-740</td>
</tr>
<tr>
<td>Luminaire for 20 lux</td>
<td>LiQ 90-AB2L/24000-740</td>
</tr>
<tr>
<td>Distance of start of parking lot to 1st Luminaire</td>
<td>10 m</td>
</tr>
<tr>
<td>Distance from luminaire to luminaire</td>
<td>50 m</td>
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### Two-sided arrangement, central

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<tbody>
<tr>
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<tr>
<td>Post height</td>
<td>8 m</td>
</tr>
<tr>
<td>Inclination angle</td>
<td>10°</td>
</tr>
<tr>
<td>Luminaire for 5 lux</td>
<td>LnStar 40-AB2L/5600-740</td>
</tr>
<tr>
<td>Luminaire for 10 lux</td>
<td>LiQ 70-AB2L/11000-740</td>
</tr>
<tr>
<td>Luminaire for 20 lux</td>
<td>LiQ 90-AB2L/22000-740</td>
</tr>
<tr>
<td>Distance of start of parking lot to 1st Luminaire</td>
<td>15 m</td>
</tr>
<tr>
<td>Distance from luminaire to luminaire</td>
<td>50 m</td>
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### Two-sided arrangement, opposite

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Parking lot width</td>
<td>32 m</td>
</tr>
<tr>
<td>Post height</td>
<td>8 m</td>
</tr>
<tr>
<td>Inclination angle</td>
<td>10°</td>
</tr>
<tr>
<td>Luminaire for 5 lux</td>
<td>LnStar 40-AB2L/5600-740</td>
</tr>
<tr>
<td>Luminaire for 10 lux</td>
<td>LiQ 70-AB2L/11000-740</td>
</tr>
<tr>
<td>Luminaire for 20 lux</td>
<td>LiQ 90-AB2L/22000-740</td>
</tr>
<tr>
<td>Distance of start of parking lot to 1st Luminaire</td>
<td>15 m</td>
</tr>
<tr>
<td>Distance from luminaire to luminaire</td>
<td>50 m</td>
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## APPLICATION: WORKS ROADS

### Arrangement on one side

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<tbody>
<tr>
<td>Carriageway width</td>
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<tr>
<td>Post height</td>
<td>8 m</td>
</tr>
<tr>
<td>Luminaire arrangement</td>
<td>on one side</td>
</tr>
<tr>
<td>Inclination angle</td>
<td>0°</td>
</tr>
<tr>
<td>Luminaire for 10 lux</td>
<td>LnStar 40-AB2L/6200-740</td>
</tr>
<tr>
<td>Luminaire for 20 lux</td>
<td>LiQ 70-AB2L/13500-740</td>
</tr>
<tr>
<td>Luminaire spacing</td>
<td>40 m</td>
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<tr>
<td>Light point overhang</td>
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For extensive planning support with indoor and outdoor lighting, see [www.trilux.com/lighting-practice](http://www.trilux.com/lighting-practice)
## LED REPLACEMENT TYPES

<table>
<thead>
<tr>
<th>Lamps per luminaire (obsolete system)</th>
<th>Luminaire luminous flux of new system</th>
<th>Suitable LED luminaire</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x 50 W HME</td>
<td>1,200 lm</td>
<td>LnStar 40-AB2L/1200-740</td>
</tr>
<tr>
<td>2 x 50 W HME</td>
<td>2,400 lm</td>
<td>LnStar 40-AB2L/2400-740</td>
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<tr>
<td>1 x 80 W HME</td>
<td>2,400 lm</td>
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<tr>
<td>2 x 80 W HME</td>
<td>5,100 lm</td>
<td>LnStar 40-AB2L/5100-740</td>
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<tr>
<td>1 x 125 W HME</td>
<td>4,200 lm</td>
<td>LnStar 40-AB2L/4200-740</td>
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<td>2 x 125 W HME</td>
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<td>1 x 250 W HME</td>
<td>8,200 lm</td>
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<td>2 x 250 W HME</td>
<td>16,500 lm</td>
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<td>1 x 400 W HME</td>
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<table>
<thead>
<tr>
<th>Lamps per luminaire (obsolete system)</th>
<th>Luminaire luminous flux of new system</th>
<th>Suitable LED luminaire</th>
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</thead>
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<td>2,600 lm</td>
<td>LnStar 40-AB2L/2600-740</td>
</tr>
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<td>2 x 50 W HST</td>
<td>5,600 lm</td>
<td>LnStar 40-AB2L/5600-740</td>
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<tr>
<td>1 x 70 W HST</td>
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<td>1 x 150 W HST</td>
<td>11,000 lm</td>
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## LUMINAIRE SUITABILITY ACCORDING TO POST HEIGHT

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<th>4 m</th>
<th>4.5 m</th>
<th>5 m</th>
<th>6 m</th>
<th>8 m</th>
<th>10 m</th>
<th>12 m</th>
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<td>ViaCon 80</td>
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## PLANNING AIDS

### INDUSTRY

#### Works roads

<table>
<thead>
<tr>
<th>Road width</th>
<th>Mounting height</th>
<th>Luminaire spacing</th>
<th>Light point overhang</th>
<th>Inclination</th>
<th>Lens</th>
<th>Luminous flux</th>
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<tbody>
<tr>
<td>5 m</td>
<td>6 m</td>
<td>27 m</td>
<td>0 m</td>
<td>0°</td>
<td>AB2L</td>
<td>3,200 lm</td>
</tr>
<tr>
<td>5 m</td>
<td>8 m</td>
<td>36 m</td>
<td>0 m</td>
<td>0°</td>
<td>AB2L</td>
<td>5,100 lm</td>
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<tr>
<td>6 m</td>
<td>6 m</td>
<td>30 m</td>
<td>0 m</td>
<td>0°</td>
<td>AB2L</td>
<td>3,500 lm</td>
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<td>0 m</td>
<td>0°</td>
<td>AB2L</td>
<td>5,400 lm</td>
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<td>3,800 lm</td>
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<tr>
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<td>37 m</td>
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<td>38 m</td>
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<td>6,200 lm</td>
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Calculations based on: MF=0.89; Em: 10 lx & g1:0.4; Em: 20 lx & g1: 0.4

#### Loading docks

<table>
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<tr>
<th>Mounting height</th>
<th>Inclination</th>
<th>Lens</th>
<th>Luminous flux</th>
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<tr>
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<td>8,200 lm</td>
</tr>
<tr>
<td>8 m</td>
<td>0°</td>
<td></td>
<td>10,000 lm</td>
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Calculations based on: MF = 0.89; measuring plane = 3 m x 8 m; Em: 50 lx & g1: 0.4

#### Hall exits

<table>
<thead>
<tr>
<th>Mounting height</th>
<th>Inclination</th>
<th>Lens</th>
<th>Luminous flux</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 m</td>
<td>0°</td>
<td>AM2L</td>
<td>4,200 lm</td>
</tr>
<tr>
<td>6 m</td>
<td>0°</td>
<td>AM2L</td>
<td>5,600 lm</td>
</tr>
<tr>
<td>7 m</td>
<td>0°</td>
<td>AM2L</td>
<td>7,500 lm</td>
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<tr>
<td>8 m</td>
<td>0°</td>
<td>AM2L</td>
<td>10,000 lm</td>
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</tbody>
</table>

Calculations based on: MF=0.89; measuring plane = 4 m x 5 m; Em: 50 lx & g1: 0.4

### PATHS

#### Paths to 2.5 m

<table>
<thead>
<tr>
<th>Path width</th>
<th>8841K (3,000 K)</th>
<th>8841 (3,000 K)</th>
<th>8841K (4,000 K)</th>
<th>8841 (4,000 K)</th>
<th>Lens</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 m</td>
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<td>12 m</td>
<td>8 m</td>
<td>12 m</td>
<td>AB2L</td>
</tr>
<tr>
<td>1.5 m</td>
<td>8 m</td>
<td>12 m</td>
<td>8 m</td>
<td>12 m</td>
<td>AB2L</td>
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<td>2 m</td>
<td>5 m</td>
<td>12 m</td>
<td>5 m</td>
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<td>AB2L</td>
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<tr>
<td>2.5 m</td>
<td>–</td>
<td>10 m</td>
<td>–</td>
<td>11 m</td>
<td>AB2L</td>
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</table>

Calculations of maximum luminaire spacing with Emin ≥ 1 lx

#### Paths to 3.5 m

<table>
<thead>
<tr>
<th>Path width</th>
<th>8841K (3,000 K)</th>
<th>8841 (3,000 K)</th>
<th>8841K (4,000 K)</th>
<th>8841 (4,000 K)</th>
<th>Lens</th>
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<tbody>
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<td>10 m</td>
<td>14 m</td>
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<td>10 m</td>
<td>13 m</td>
<td>10 m</td>
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<td>AB14L</td>
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<tr>
<td>2 m</td>
<td>9 m</td>
<td>13 m</td>
<td>10 m</td>
<td>14 m</td>
<td>AB14L</td>
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<td>AB14L</td>
</tr>
<tr>
<td>3 m</td>
<td>11 m</td>
<td>12 m</td>
<td></td>
<td></td>
<td>AB14L</td>
</tr>
<tr>
<td>3.5 m</td>
<td>6 m</td>
<td>8 m</td>
<td></td>
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<td>AB14L</td>
</tr>
</tbody>
</table>

Calculations of maximum luminaire spacing with Emin ≥ 1 lx

For extensive planning support with indoor and outdoor lighting, see [www.trilux.com/beleuchtungspraxis](http://www.trilux.com/beleuchtungspraxis)
MLT® and luminaire designation

LUMINAIRE NAME/CONSTRUCTION SIZE

-AB7L

SUPPLEMENTARY EQUIPMENT
LR/LRA/light management

NUMBER OF 4-FOLD CLUSTERS/GENERATION

6200
-740
8G1S

LIGHTING TECHNOLOGY

LUMINAIRE LUMINOUS FLUX

1000/1100/1200/1350/1500/1650/1800/
2000/2200/2400/2600/2900/3200/3500/
3800/4200/4400/5100/5600/6200/6800/
7500/8200/9100/10000/...

11000/12000/13500/15000/16500/
18000/20000/22000...

COLOUR RENDERING + LIGHT COLOUR

730: 3000 K/Ra > 70
740: 4000 K/Ra > 70

Asymmetric wide distribution:
AB2L/AB5L/AB6L/AB7L/AB8L/AB9L
Pedestrian crossings: FR1L/FL1L
Rotationally symmetric wide distribution: RB3L
Rotationally symmetric narrow distribution: RE2L
Asymmetric medium-wide distribution: AM2L

Further lens optics are available.
**Greater flexibility in use**

The following overview shows which requirements are fulfilled with use of various MLT lenses (listing 13 of more than 20 examples). Further lighting tasks with MLT\textsuperscript{IQ} on request.

Flexibility is further increased via rotation of the lenses in 90° steps.

Additional reduction of light emission to the rear can be optionally implemented with shielding on the building side.

Simply contact us.

<table>
<thead>
<tr>
<th>Road</th>
<th>Lens/description</th>
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</thead>
<tbody>
<tr>
<td><strong>P-Klasse</strong></td>
<td></td>
</tr>
<tr>
<td>AB2L: asymmetric wide light distribution for road illumination in compliance with P lighting classes.</td>
<td></td>
</tr>
<tr>
<td>SB3L: symmetric wide light distribution for illuminating paths, especially cycle paths.</td>
<td></td>
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</tbody>
</table>

| **M class** | |
| AB5L: asymmetric wide distribution for road illumination in compliance with M lighting classes with positive light point overhang and inclination angle to 15°. |
| AB6L: asymmetric wide light distribution for road illumination in compliance with M5 and M6 lighting classes with road width to mounting height ratio of 0.4 to 0.8. |
| AB7L: asymmetric wide light distribution for road illumination in compliance with M3 to M6 lighting classes with road width to mounting height ratio of 0.5 to 1.7. |
| AB8L: asymmetric wide light distribution for road illumination in compliance with M1 and M2 lighting classes with road width to mounting height ratio of 0.6 to 1.1. |
| AB9L: asymmetric wide light distribution for road illumination in compliance with M5 and M6 lighting classes with road width to mounting height ratio of 0.8 to 1.7. |

<table>
<thead>
<tr>
<th>Squares</th>
<th>Lens/description</th>
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<tbody>
<tr>
<td>AM2L: asymmetric medium-wide light distribution for planar lighting, e.g. parking lots and storage areas.</td>
<td></td>
</tr>
<tr>
<td>RB6L: rotationally symmetric wide light distribution for planar lighting, e.g. parking lots and pedestrian zones.</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Pedestrian crossings</th>
<th>Lens/description</th>
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<tbody>
<tr>
<td>FR1L: extremely asymmetric light distribution for illuminating pedestrian crossings (illumination on right).</td>
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<tr>
<td>FL1L: extremely asymmetric light distribution for illuminating pedestrian crossings (illumination on left).</td>
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<thead>
<tr>
<th>Spotlighting</th>
<th>Lens/description</th>
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<tbody>
<tr>
<td>RB3L: rotationally symmetric wide light distribution for floodlighting, half-value angle 50°.</td>
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</tr>
<tr>
<td>RE2L: rotationally symmetric narrow light distribution for floodlighting, half-value angle 25°.</td>
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</tbody>
</table>
LIGHT MANAGEMENT OUTDOOR

LIGHT POINTS BECOME AN INTELLIGENT NETWORK
TRILUX LMS Outdoor – for tomorrow’s Smart Cities

Broadband internet access, mobile data, the Internet of Things and cloud computing – the future is networked and connectivity is one of the major trends in the near future.

The use of TRILUX LED luminaires with light management systems enables savings exceeding 80% compared to obsolete lighting installations. Remote streetlighting management and control provide greater efficiency and increased public safety. Various dimming profiles and other settings can also be created and modified at any time and from anywhere.

Your advantages with TRILUX LMS Outdoor

Smart City-compatible
Open interfaces (APIs) enable the integration of third-party software and hardware.

Light according to needs
Sensors help save more energy and avoid unnecessary light pollution.

Control, regulate, monitor
Simple remote management of the complete lighting system via a web-based software.

Safe communication
Protected against system failures and unauthorised access.

Simple installation
Quick installation and commissioning (with GPS location). Modifications to the existing lighting infrastructure are not required.

Proactive maintenance
Automatic communication of error reports and status reports via web-based software.

Software features
– Readout of current luminaire status
– Setting of dimming profiles
– Grouping of luminaires
– Display and positioning of luminaires on a map
– Energy consumption readout for individual luminaires or luminaire groups
– Display of current traffic density
Reap the benefits of refurbishment

Upgrading to LED systems pays off in multiple ways – on the one hand energy consumption, CO₂ emissions and maintenance costs are significantly reduced. And significantly improved light comfort is provided on the other hand. If the pan-European ban on HQL lamps is also taken into account, operators of street lighting installations can hardly avoid the technology transition. TRILUX with its wide range of products provides precisely the right lighting solutions for any refurbishment application.
LUMEGA 600/700 LED CONVERSION SET

AN UNCONVENTIONAL SOLUTION FOR CONVENTIONAL OUTDOOR LUMINAIRES
Luminaire units for simple LED conversion
of installed luminaires with conventional lamp technology
Lumega 600: US 9701—
Lumega 700: US 9711—

- Asymmetric wide distribution
- Further distribution characteristics

- Power reduction (LR)
- Multilumen
- Luminous flux constant control (CLO)

Lumega 600, US 9701: 1,500 lm - 7,500 lm
Lumega 700, US 9711: 2,900 lm - 9,100 lm

> 100,000 h

www.trilux.com/lumega600-700
TRILUX PORTAL

YOUR ACCESS TO THE DIGITAL WORLD OF TRILUX

DIGITAL SERVICES

USEFUL AIDS

SIMPLE PROJECT WORK

SMART CONFIGURATORS
The TRILUX Portal is your central login for the latest tools and services with which TRILUX simplifies your work with light. All functions are available to you at any time – whether you’re in the office, on the road or at home. The intuitive user interface has once again been optimised to support you on desktop PCs, tablets and smartphones.

**DIGITAL SERVICES**
**Light management and connectivity**
- After simple registration, monitor the energy consumption of your lighting system in the cloud.
- Take advantage of the new Energy Monitoring and Light Monitoring connectivity services for monitoring and maintenance of networked lighting.

**USEFUL AIDS**
**From watchlists to the Efficiency Calculator**
- Save products to your watchlist or directly to your individual project.
- Use the product comparison function to simply select the most suitable product.
- Calculate the specific maintenance factor with the TRILUX Lifetime Calculator or calculate investment and operating costs as well as savings potential with the TRILUX Energy Efficiency Calculator.
- The TRILUX Lighting Practice publication provides you with extensive lighting knowledge and helpful support for working with light in the most practical way.

**SIMPLE PROJECT WORK**
**Manage your projects quickly and simply**
- Create a project quickly and simply and equip it with the desired TRILUX luminaires. The Portal does the rest – it determines gross prices and compiles all necessary documents for you.
- Invite other people to process and edit the various project phases with you.

**SMART CONFIGURATORS**
**Simple creation with just a few clicks**
- Even complex continuous line constructions are created in a simple way with just a few clicks.
- Our configurators enable targeted product selection according to your specific needs.

www.trilux.com/portal
All technical data including dimensional and weight specifications have been compiled with due care. Errors reserved. Possible colour deviations are due to printing processes. We reserve the right to modify in the interest of progress. Luminaires are partly shown with accessories that must be ordered separately. Images of installations may show custom manufactured luminaires. This publication was printed on PEFC-certified paper in an environmentally friendly way.
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For detailed product descriptions see [www.trilux.com](http://www.trilux.com)