



 **spanninga**

Pioneering safety for  
**100** years  
1918-2018

Keep ahead of light.  
LIGHTS & ACCESSORIES |  
2019

Keep ahead of light.



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 ***spanninga***

Keep ahead of light.



# PIONEERING SAFETY FOR 100 YEARS

Founded in 1918, the company has always been family-run. With its headquarters in Joure (Friesland, The Netherlands), the only goal of Spanninga has been to bring safety of the cyclist up to another level. And this value crossed the Dutch borders, making of the Spanninga Group one of the leaders of bicycle safety in the world. Our 100-year heritage and the trust that customers put in the name Spanninga keep us striving for the next challenges, and pursuing the limitless possibilities of light. That is the core spirit of Spanninga.

Pioneering safety. For the next 100 years.

AUTHENTIC SINCE 1918

1918  
2018



1948



1950



1921



1959



1940



1955



1967



1975



1984



## 1918

Foundation by Hotso Spanninga of SPANNINGA METAAL BV in Joure (the Netherlands), specialized in precious metal forge and in particular plaques.

## 1922

Due to exceptional performance, SPANNINGA METAAL BV receives the distinguished title of 'Purveyor to the Royal Household of the Netherlands'.

## 1933

Start of the bicycle lighting activity for SPANNINGA METAAL BV. Hotso Spanninga being originally a goldsmith, first Spanninga rearlights were artwork: polished until they shine like jewels.

## 1935

Foundation by Mr. Josserand of JOS in Nantua (France), one of Spanninga's French competitors specialized in bicycle and automotive lighting.

## 1950 's

Creation by Spanninga of first plastic optical blocks for rearlights replacing glass.

Creation by Hotso Spanninga of first rearlights with bayonet fitting of the bulb.

## 1959

Introduction by SPANNINGA METAAL BV of the first reflectors integrated on pedals.

## 1965

Gatze and Gerben (Jeppe) Spanninga take over SPANNINGA METAAL BV from their father. Unfortunately, Gerben Spanninga dies in 1972 at the young age of 43.

Production by SPANNINGA METAAL BV of insurance plates for mopeds.

## 1970 's

Takeover of JOS by CIBIE in Nantua (France).

## 1973

Production by SPANNINGA METAAL BV of the first red reflectors for Dutch bikes (became compulsory in the Netherlands in 1977).

## 1984

JOS becomes independent again and is called JOS/CIBIE.

## 1986

Start of production of bicycle bells.

## 1989

Feike Spanninga takes over SPANNINGA METAAL BV from his father.

Start of production of kickstands.

## 1992

Takeover of JOS by SPANNINGA METAAL BV and creation of the company JOS INTERNATIONAL in Nantua (France).

## 1997

Takeover of the Belgian company EKOLIGHT. Creation of a joint-venture named Q-LITE in Taichung (Taiwan).

## 1998

Creation of first light sensors in bicycle lights.

## 2002

Sale of automotive activities of JOS INTERNATIONAL and focus on bicycle lighting. Transfer of Q-LITE's production to Huizhou (China).

## 2006

Takeover of Hella Bike Europe activities and creation of a subsidiary called SBC in Shunde (China).

## 2015

Takeover of PHILIPS bicycle lighting assets.

## 2018

100 years jubilee.



Feike Spanninga

AUTHENTIC SINCE 1918



## SAFE WAY OF RIDING

Product quality and user safety are the 2 main commitments of our forward-looking group.

Offering the best safety conditions means offering high-quality products to rely on. That's why we provide a large range of products, all of them developed for specific needs and for an easy use.



Our lights, both front and rear comply with this requirement by offering a great visibility. In order to determine the visibility distance of our lights, Spanninga has defined specific calculations linked to light illumination.

In the same way, the battery lifetime of our products is measured until the light illumination reaches the minimum visibility level at 10m that we have determined, which is 0,25 Lux for front lights and 0,5 Cd for rear lights.

### Quality tests

From development to deliveries, all our products go through a series of tests defined in an extensive quality procedure, among which:

- Photometric values are regularly measured to make sure the light output and visibility meets our expectations and the regulations we apply for,
- Shock resistance tests are carried out to ensure the best use of our products in all kinds of conditions (vibration and crash tests, temperature tests, UV, moisture and corrosion tests, durability tests, etc.),
- Water resistance is controlled to achieve min. the IPX3 rating (protection against spraying and splashing water).

### Batteries

Our development teams give priority to technologies offering very low battery consumption in order to provide the longest burning time. We also pay great attention to the quality of the batteries we select and supply all our products with high-performance batteries.



## DISTINCTION THROUGH SIMPLICITY

Over the years, Spanninga has always created exclusive and innovative high-end lights. Our unique touch has brought illustrious bike manufacturers to work with us to develop specially-designed products for their bicycles. The high quality of the Spanninga name in this field is rewarded by the satisfaction and the trust of our customers.



## DISTINCTION THROUGH SIMPLICITY



Spanninga's design vision focuses on a strong link between technology and design. In most of our products, technology is not hidden but rather integrated into the design of the product and therefore displayed as a real asset.

We are convinced that internal technical elements (like cooling elements, optical parts etc.) give another dimension to our creations and highlight the authenticity of our products.

Our approach to bicycle lights design is to maintain, in addition to the core functionalities of the product, clear and clean surfaces and limited control elements (like integrated switch or attachment).

The use of innovative combinations of materials (like brushed aluminum or stainless steel) and the selection of specific colour shades enhanced by the Spanninga icon contribute to a certain harmony to make it easier to distinguish our brand based on the design of our products.

# PERFORMANCE THROUGH INNOVATION

Spanninga brand stands for innovation. That is how we managed to gain the trust and recognition from our customers for hundred years. “Keep ahead of light” is and has always been the philosophy of our brand based on constant and extended research in new technologies, optics, electronics and study of users' insights.



PERFORMANCE THROUGH INNOVATION

## DAYTIME RUNNING LIGHT® FUNCTION

The Daytime Running Light (DRL®) function increases the visibility of the bicycle, and protects the rider during the day. This function features one or more LEDs which shine automatically during the daytime to bring extra visibility. When it gets dark, a light sensor dims the daytime LEDs and lets the main beam take over.

However the DRL® is not a lighting system in itself: while the main beam is directed towards the road to allow the rider to see his way, the daytime running LEDs shine straight to allow him to be seen by other road users (visible enough but not blinding).



## RIM LIGHT TECHNOLOGY®

The Rim Light Technology (RLT®) features a specially designed lens system which spreads the light of the single high power LED onto the road.

This technology, similar with the 'Angel Eye' used in the car industry, particularly excels in preventing any light loss, given that all the light rays are fully refracted on the outside surface of the lens.

The light being spread through the light ring only, this technology gives the possibility to have a reflector or a logo or any other part at the centre of the light.

## XTL TECHNOLOGY®

The XTL® uses the total reflection phenomena of light rays on the specially shaped and polished surface of a lens. Due to the total reflection of the ray, hardly any light is lost, resulting in a very efficient light system where most lumens of the light source are used in the effective beam on the road.

This results in a good light spread, large light beam and economic power consumption.



## PERFORMANCE THROUGH INNOVATION

### REVERSE BEAM TECHNOLOGY®

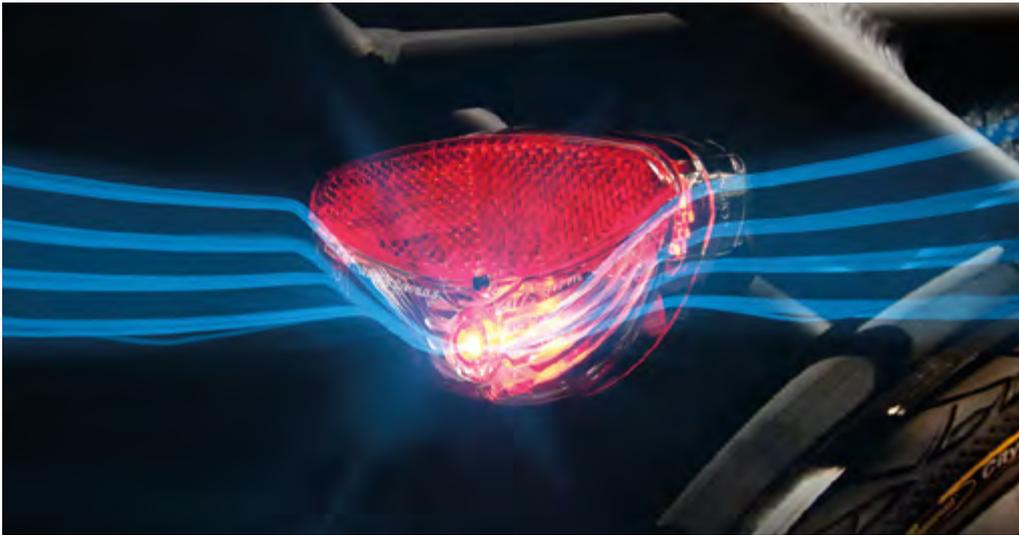
As a major development, Spanninga has developed the LED Reverse Beam Technology (RBT®) that uses only  $\frac{1}{4}$  of the energy of a regular bulb for the same intensity and with hardly any heat loss.

The light rays of the LED are projected backwards onto a mirror directing it into a powerful conical beam with a perfect light spread. The light is then divided over a large surface which makes it less aggressive to the eyes. The result is a more efficient system and a reduced power consumption.

## LIGHT GUIDE TECHNOLOGY®

In a low visibility environment, the rearlight is the first safety tool of the cyclist to be seen from the approaching traffic. Most accidents happening at road junctions, it is also important to offer good side visibility.

Our R&D teams have developed a unique technology providing an optimal spread of the LED light on the sides of the rearlight: the Light Guide Technology (LGT®). It captures the lateral light coming from the LED and brings it with minimum loss on the sides of the rearlight.



## LIGHT LINE TECHNOLOGY®

The Light Line Technology (LLT®) uses one or more very low consumption LEDs. The light is spread through a specially shaped light guide which diffuses it following a line shape.

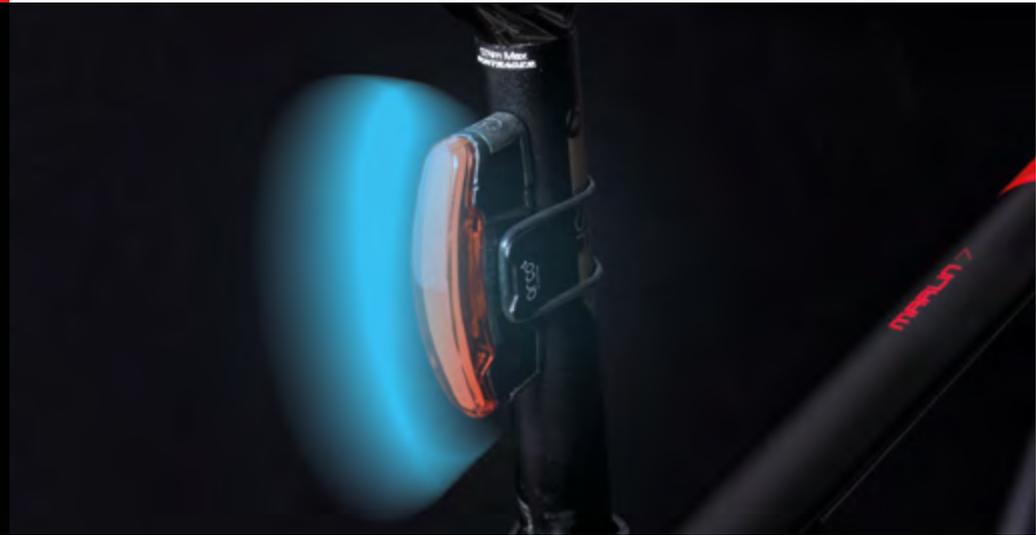
The shape of both the light line and the glass is designed in a way that the light is also guided on the lateral sides of the carrier. This technology is broadly used nowadays and a similar one is commonly featured in the automotive industry in order to have the most creative, trendy and unique design for rearlights.

## LASER TECHNOLOGY

The laser technology is a brand new feature integrated in bicycle lights, mainly into rear lights. A safety zone is projected by the laser around the bike when on the road which improves significantly the cyclist visibility by giving a clear signal to other road users approaching from behind. The colour, shape and width of the V shaped lines are optimally tuned to create the safety zone. Laser technology has been chosen due to its low energy consumption and limited additional costs in comparison with the enhanced safety resulting from the feature.

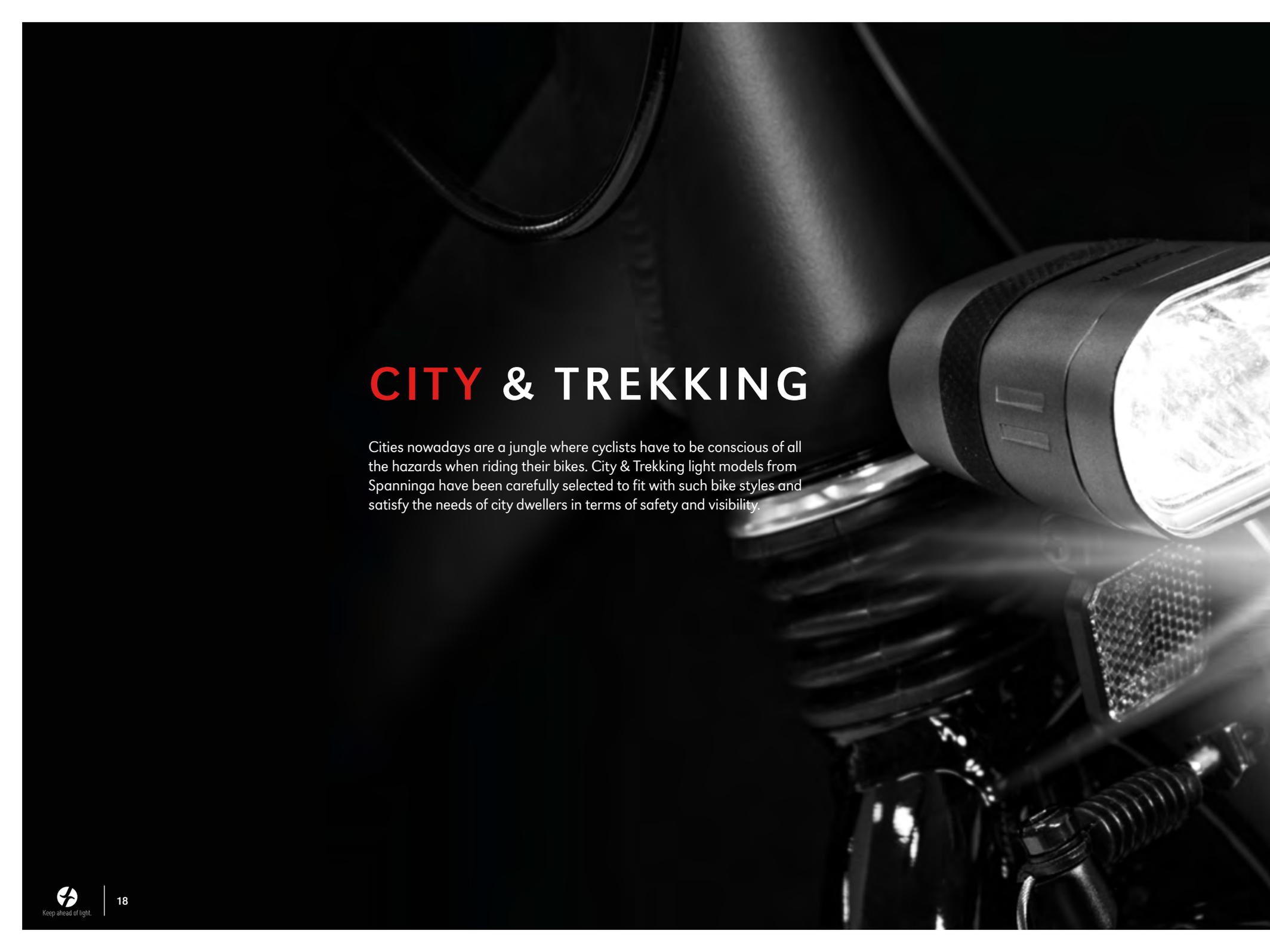


## PERFORMANCE THROUGH INNOVATION



## COB LED TECHNOLOGY

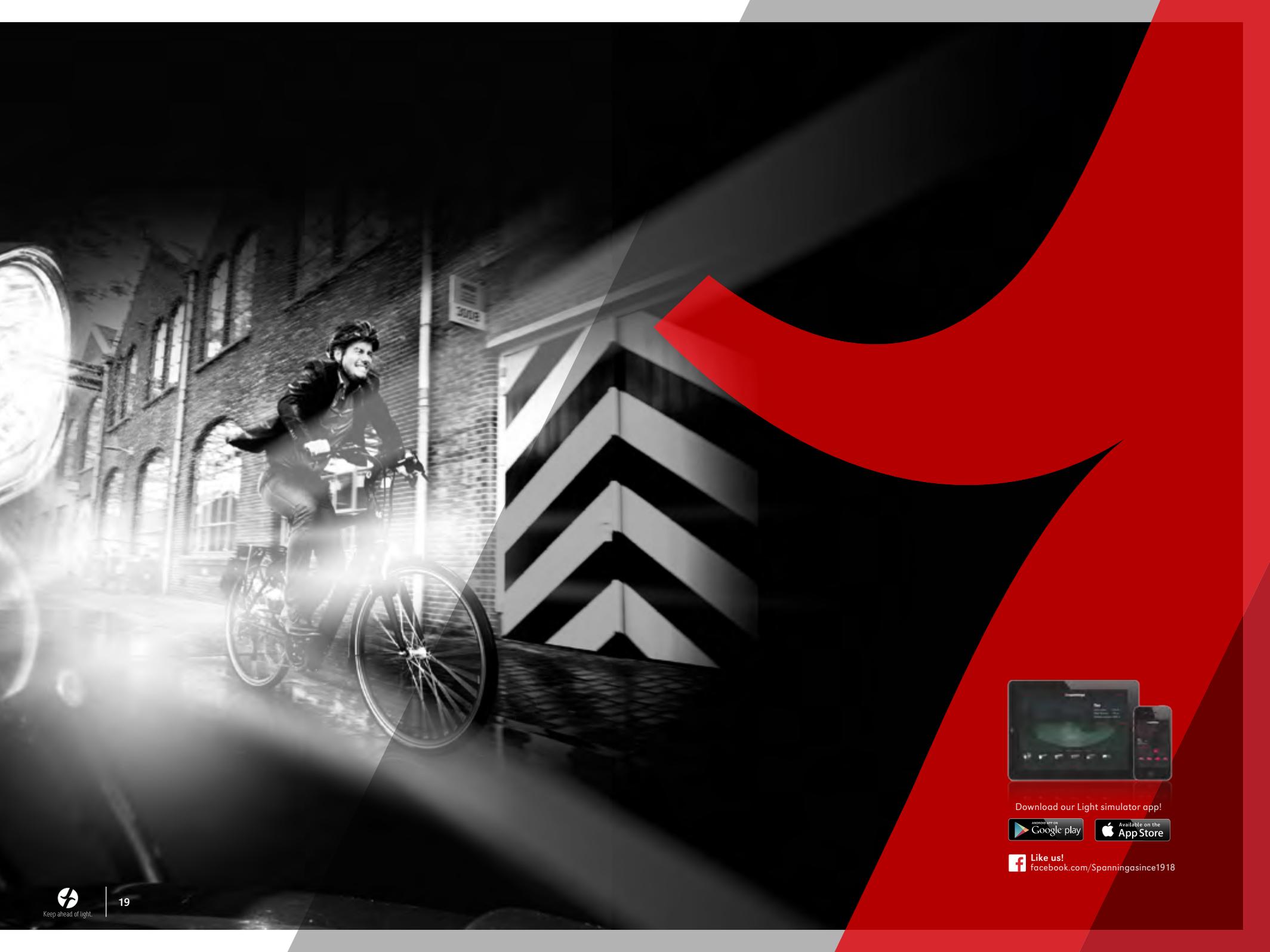
Chip on Board, basically multiple LED chips bonded directly to a substrate to form a single module – are the latest LEDs available on the market. Main advantages are that they offer the highest efficiency (higher light emitting area, better heat dissipation, decreased light loss, increased viewing angle) and also almost endless design possibilities since the substrate can be bended or follow any shape.



## CITY & TREKKING

Cities nowadays are a jungle where cyclists have to be conscious of all the hazards when riding their bikes. City & Trekking light models from Spanninga have been carefully selected to fit with such bike styles and satisfy the needs of city dwellers in terms of safety and visibility.





Download our Light simulator app!



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## AXENDO 60



The AXENDO 60 uses 2 high-power REBEL® LEDs and features the unique RBT® which projects an impressive 60 Lux light output in a bright – but non-blinding - light beam. The elegant silicone band and high-quality alloy aluminum housing, give it a unique touch. The daylight function is based on an innovative and modern COB LED light technique.

ARTICLE NUMBERS	Xdo H639008 Xdas H639018 PR60
LIGHT SOURCE <sup>1</sup>	2 white LEDs > 60 Lux + white COB LED (DRL <sup>®</sup> )
POWER SOURCE	DYNAMO
AUTONOMY	-
LOW-BATTERY-INDICATOR <sup>2</sup>	-
FUNCTIONS	Light & Motion Sensor (Xdas) Safe-Stop <sup>3</sup> (Xdas) DRL <sup>®4</sup> (Xdas)
WEIGHT	<130g

## AXENDO 40



The AXENDO 40 is equipped with 1 high-power REBEL® LED and features that same RBT® which projects 40 Lux light output in a bright – but non-blinding - light beam. The elegant silicone band gives the headlamp a unique touch.

ARTICLE NUMBERS	Xdo H635008 Xdas H635018 PR40
LIGHT SOURCE <sup>1</sup>	1 white LED > 40 Lux
POWER SOURCE	DYNAMO
AUTONOMY	-
LOW-BATTERY-INDICATOR <sup>2</sup>	-
FUNCTIONS	Light & Motion Sensor (Xdas) Safe-Stop <sup>3</sup> (Xdas)
WEIGHT	<70g

## RIDE SAFER

The elegant high-power AXENDO series distinguishes with its amazing styling, technology, light output and various power sources. For each type of bicycle and for every cyclist, the AXENDO series offers a perfect solution. For city practice, the AXENDO front fork headlamps come in 40 and 60 Lux light output versions, all of them with a great visibility, both from front and sides.

## KENDO+



The idea behind the KENDO+ is to combine a powerful light beam into a modern and very compact shape. The result is a headlamp which fits perfectly to the design of all types of bicycles with an efficient light beam.

ARTICLE NUMBER	Xdo H057038 HL2800
LIGHT SOURCE <sup>1</sup>	1 white LED > 30 Lux
POWER SOURCE	DYNAMO
AUTONOMY	-
LOW-BATTERY-INDICATOR <sup>2</sup>	-
FUNCTIONS	-
WEIGHT	<70g

## CORONA



With the CORONA, Spanninga offers cyclists the ultimate high-end headlamp with an exceptional and inimitable design, which makes it a new emblem on bicycles. The CORONA optics of 20 Lux create a halo effect with the light ring circling around its integrated reflector.

ARTICLE NUMBER	Xb 3710048 PFH
LIGHT SOURCE <sup>1</sup>	1 white LED > 20 Lux
POWER SOURCE	BATTERIES 3 x AA 1.5V
AUTONOMY	> 50h
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	-
WEIGHT	<190g

## ROXEO



With its ultra-compact shape, the ROXEO provides the essential features for a headlamp: smooth, compact design, elegant lines with integrated parts and stunning performance and visibility for riders.

ARTICLE NUMBER	Xb H610088 DFH
LIGHT SOURCE <sup>1</sup>	1 white LED > 10 Lux
POWER SOURCE	BATTERIES 3 x AAA 1.5V
AUTONOMY	> 60h
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	-
WEIGHT	<90g

## LUCEO



The unique design of the LUCEO is the result of the experience and creative output of our technicians. Equipped with the unique RBT<sup>®</sup>, the LUCEO is a revolution in bicycle lighting: no light loss = less power consumption!

ARTICLE NUMBERS	Xb 37500115 Xba 37500125PP
LIGHT SOURCE <sup>1</sup>	1 white LED > 10 Lux
POWER SOURCE	BATTERIES 3 x AA 1.5V
AUTONOMY	> 60h
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	Light & Motion Sensor (Xba)
WEIGHT	<150g

## BRIO



The BRIO is a compact dynamo-operated headlamp, which offers a very high price/performance ratio. With its miniaturized optical system - featuring the unique RBT® - the BRIO provides 15 Lux light output and is ideal for all types of bikes.

ARTICLE NUMBER	Xdo H634008 HL13
LIGHT SOURCE <sup>1</sup>	1 white LED > 15 Lux
POWER SOURCE	DYNAMO
AUTONOMY	-
LOW-BATTERY-INDICATOR <sup>2</sup>	-
FUNCTIONS	-
WEIGHT	<60g

## GALEO



GALEO XB



Modern and affordable, the GALEO is a very smart LED headlamp with an integrated reflector. It also offers multiple mounting options, since it is compatible with a wide range of brackets.

ARTICLE NUMBERS	Xdo H058038 Xb H058118 SEP
LIGHT SOURCE <sup>1</sup>	1 white LED > 4 Lux
POWER SOURCE	DYNAMO (Xdo) BATTERIES 2 x AA 1.5V (Xb)
AUTONOMY	> 40h (Xb)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓ (Xb)
FUNCTIONS	-
WEIGHT	<100g

# SWINGO



SWINGO XDO



Big brother of the TRENDO, the SWINGO is perfect for retro bikes! Its bullet design and large diameter (70mm) follow the authentic style of lights of the 40s, and its LED technology brings it up-to-date with 2019!

ARTICLE NUMBERS	Xdo H070309 (chrome) Xb-F H070017 (chrome) Xb-F H070027 (black) Xb-D H123108 (chrome) Xb-D H123008 (black) RHL
LIGHT SOURCE <sup>1</sup>	1 white LED > 4 Lux (Xb-F) 1 white LED > 20 Lux (Xdo / Xb-D)
POWER SOURCE	DYNAMO (Xdo) BATTERIES 3 x AAA 1.5V (Xb-F) BATTERIES 4 x AAA 1.5V (Xb-D)
AUTONOMY	> 40h (Xb)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓ (Xb)
FUNCTIONS	
WEIGHT	< 130g
COLOURS	■ ■

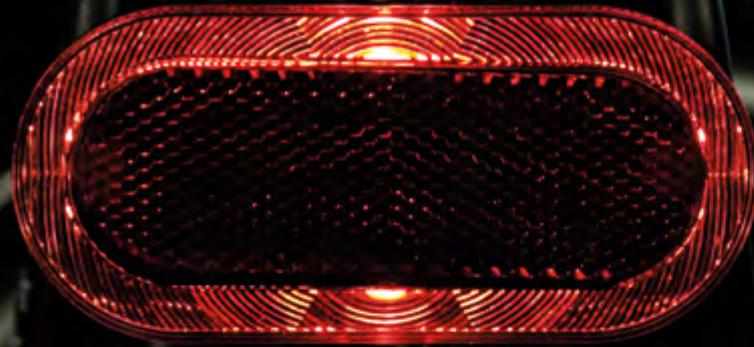
# TRENDO



Perfectly matching with old-school bikes, such as classic Dutch bicycles, cargo bikes or cruiser bikes, the TRENDO revives nostalgia with its 50's look! It revisits a time when lights were simple: shell-shape housing and visor integrated in the glass.

ARTICLE NUMBERS	Xdo H044330 (black) Xb H044320 (black) Xb H044322 (chrome) HL 2300
LIGHT SOURCE <sup>1</sup>	1 white LED > 10 Lux
POWER SOURCE	DYNAMO (Xdo) BATTERIES 3 x AA 1.5V (Xb)
AUTONOMY	> 100h (Xb)
LOW-BATTERY-INDICATOR <sup>2</sup>	×
FUNCTIONS	-
WEIGHT	<130g
COLOURS	■ ■

FINE-TUNED  
PREMIUM REARLIGHT



# ELIPS

The elegant ELIPS rearlight features a ground-breaking unique LLT<sup>®</sup> and its 6 super-bright LEDs and integrated large reflector offer an optimal safety with a great to-be-seen visibility distance from the rear and from the sides (320° visibility).



## Multifunctional

The ELIPS is presented in an battery-operated and dynamo-operated version. The battery-operated model is equipped with 2 batteries, offering above 50h burning time, which can be easily replaced without any tooling. The dynamo-operated version features a Safe-Stop function powered by capacitor, offering 4min extra safety when you stop pedalling.

on the bike, and thus tend to make it less vulnerable to shocks. Aside from being a robust rearlight, the ELIPS is mainly outstanding for its performance. Its lighting system provides the necessary source of road illumination from the rear and also from the sides, increasing visibility all around the bike and therefore its safety.



## Increased safety

There's little room for mistake when it comes to riding safely and securely at night when you have the ELIPS. Its oval-shaped proportions with integrated Z-reflector allows for perfect mounting



ARTICLE NUMBERS	Xds R642008 Xb R642028
LIGHT SOURCE <sup>1</sup>	6 red LEDs > 13 Cd
POWER SOURCE	DYNAMO (Xds) BATTERIES 2 x AAA 1.5V (Xb)
AUTONOMY	> 50h (Xb)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓ (Xb)
FUNCTIONS	Safe-Stop <sup>3</sup> (Xds)
WEIGHT	<90g

# LINEO



Want to be unique? The LINEO is the first rearlight on the market featuring 2 original light lines placed at the bottom corners of the light, which give it an inimitable and distinctive look on bicycles.

ARTICLE NUMBERS	Xds H056048 Xb H056018 Xba H056028 RLL
LIGHT SOURCE <sup>1</sup>	2 red LEDs > 10 Cd
POWER SOURCE	DYNAMO (Xds) BATTERIES 2 x AA 1.5V (Xb, Xba)
AUTONOMY	> 180h (Xb, Xba)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓ (Xb, Xba)
FUNCTIONS	Light & Motion Sensor (Xba) Safe-Stop <sup>3</sup> (Xds)
WEIGHT	<120g

# BRASA



The BRASA, with its distinctive design, draws a bright red line on the ordinary style of carrier rearlights existing on the market. Its design is exceptionally innovative with optics clearly offset from the rest of the light, giving the impression that a red line is floating in the air.

ARTICLE NUMBER	Xb 4450008
LIGHT SOURCE <sup>1</sup>	1 red LED > 7 Cd
POWER SOURCE	BATTERIES 2 x AA 1.5V
AUTONOMY	> 180h
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	-
WEIGHT	<130g

# SOLO



SOLO XB



Characterized by its ultra-flat design, the SOLO uses the advanced LLT<sup>®</sup> technology with one LED offering spectacular opportunities to designers in terms of conception. The result is an ideal carrier rearlight for urban cyclists, combining a flat design and a very bright and blazing light beam.

ARTICLE NUMBERS	Xds 4470108 Xb 4470008 Xba 4470028
LIGHT SOURCE <sup>1</sup>	1 red LED > 6 Cd
POWER SOURCE	DYNAMO (Xds) BATTERIES 2 x AAA 1.5V (Xb, Xba)
AUTONOMY	> 100h (Xb, Xba)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓ (Xb, Xba)
FUNCTIONS	Light & Motion Sensor (Xba) Safe-Stop <sup>3</sup> (Xds)
WEIGHT	<60g

# PLATEO



Slim and compact, the main asset of the PLATEO is its mysterious look! Comparable with a humble reflector, the PLATEO conceals a high power LED and an integrated light guide to give a safe light beam.

ARTICLE NUMBER	Xb 125518
LIGHT SOURCE <sup>1</sup>	1 red LED > 5 Cd
POWER SOURCE	BATTERIES 2 x AAA 1.5V
AUTONOMY	> 70h
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	-
WEIGHT	<70g

## DUXO



The DUXO is equipped with one horizontally shaped light line and one single LED. User friendly and economical, its compact design also offers the advantage to fit all kinds of luggage carrier types.

ARTICLE NUMBERS	Xds H608018 Xb H608118 SRF
LIGHT SOURCE <sup>1</sup>	1 red LED > 5 Cd
POWER SOURCE	DYNAMO (Xds) BATTERIES 2 x AA 1.5V (Xb)
AUTONOMY	> 180h (Xb)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓ (Xb)
FUNCTIONS	Safe-Stop <sup>3</sup> (Xds)
WEIGHT	<110g

## VIVO



The VIVO carrier rearlight spreads some ultra-bright light rays in a nicely shaped line. It is a simple, effective and economical light, yet it provides a very high level of safety. Due to the use of the unique LLT<sup>®</sup>, the VIVO is ultra-flat (20mm).

ARTICLE NUMBER	Xds R623008 RL13
LIGHT SOURCE <sup>1</sup>	1 red LED > 5 Cd
POWER SOURCE	DYNAMO
AUTONOMY	-
LOW-BATTERY-INDICATOR <sup>2</sup>	-
FUNCTIONS	Safe-Stop <sup>3</sup>
WEIGHT	<40g

# PIXEO



Smaller, thinner, lighter. The PIXEO is today a perfect rearlight, suitable for all kinds of bikes and mountable in various positions. Its unique design and wide glass provide a high visibility on the road. Pixel-sized, but powerful!

ARTICLE NUMBERS	Xds 135118 (black) Xb 135518 (black) Xb 135558 (black + protector) Xb 135538 (chrome + protector) Xba 135618 (black)
LIGHT SOURCE <sup>1</sup>	1 red LED > 8 Cd
POWER SOURCE	DYNAMO (Xds) BATTERIES 2 x AAA 1.5V (Xb, Xba)
AUTONOMY	> 120h (Xb, Xba)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓ (Xb, Xba)
FUNCTIONS	Light & Motion Sensor (Xba) Safe-Stop <sup>3</sup> (Xds)
WEIGHT	<40g
COLOURS	

# VENA



The ideal opportunity to give your bicycle that stylish touch also on your rear fender: the VENA. Featuring the advanced LLT<sup>®</sup>, the tail light presents a bright red vertical line following the shape of the mudguard and standing for high-level safety.

ARTICLE NUMBERS	Xds R616028 Xb R616038 MLL
LIGHT SOURCE <sup>1</sup>	1 red LED > 8 Cd
POWER SOURCE	DYNAMO (Xds) BATTERIES 2 x AAA 1.5V (Xb)
AUTONOMY	> 70h (Xb)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓ (Xb)
FUNCTIONS	Safe-Stop <sup>3</sup> (Xds)
WEIGHT	<50g

# Nr9



A modern remake of the metal teardrop rearlights, made popular in the 50's and Spanninga's flagship for decades. The NR9 rearlight comes with retro styling and 21st century reliability!

ARTICLE NUMBERS	Xds 4475018 Xb 4475008 RRL
LIGHT SOURCE <sup>1</sup>	1 red LED > 5 Cd
POWER SOURCE	DYNAMO (Xds) BATTERIES 2 x AAA 1.5V (Xb)
AUTONOMY	> 120h (Xb)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓ (Xb)
FUNCTIONS	Safe-Stop <sup>3</sup> (Xds)
WEIGHT	<50g

# O-GUARD



Outstanding design and outstanding performance! Out of its unique and original looks on the bike, the O-GUARD ensures a high degree of visibility on your rear fender and thus safety on the road.

ARTICLE NUMBER	Xb 4471008 <sup>5</sup>
LIGHT SOURCE <sup>1</sup>	2 red LEDs > 4 Cd
POWER SOURCE	BATTERIES 2 x AAA 1.5V
AUTONOMY	> 50h
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	-
WEIGHT	<70g

# PRESTO-GUARD



The PRESTO-GUARD is one of the most compact and light weight rearlights of Spanninga. This new product adapted from the seat-post version is the perfect alternative to have an ultra-compact rear visibility on mudguards.

ARTICLE NUMBER	R638008 RL15
LIGHT SOURCE <sup>1</sup>	1 red LED ▶ 4 Cd
POWER SOURCE	BATTERY 1 x CR2032 3V
AUTONOMY	▶ 25h
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	-
WEIGHT	<20g

# SPX



Designed for “real Dutch” city bikes, the SPX is still very topical and its old style is sought after. Equipped with a single LED and a large reflector, it is a robust mudguard rearlight.

ARTICLE NUMBER	Xb 1688510
LIGHT SOURCE <sup>1</sup>	1 red LED ▶ 5 Cd
POWER SOURCE	BATTERIES 2 x AAA 1.5V
AUTONOMY	▶ 70h
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	-
WEIGHT	<50g

# Nr8



The NR8 is one of the oldest Spanninga rearlights still in the range. This extra-thin rearlight – only 35mm wide – is very easy to handle and to integrate in the design of mudguards.

ARTICLE NUMBER	0804000 <sup>5</sup>
LIGHT SOURCE <sup>1</sup>	1 standard bulb
POWER SOURCE	DYNAMO
AUTONOMY	-
LOW-BATTERY-INDICATOR <sup>2</sup>	-
FUNCTIONS	-
WEIGHT	<50g



# E-BIKES

E-bikes have become a great share of bicycles on the road nowadays. And each e-bike demands a dedicated and specialized light, both for the front and rear. Therefore, Spanninga offers a nice assortment of uniquely developed e-bike lights. An extra helping hand in exploring the world.



Download our Light simulator app!



 Like us!  
[facebook.com/Spinningasince1918](https://facebook.com/Spinningasince1918)

# AXENDO 80



The AXENDO 80 has 2 high-power REBEL® LEDs and features the unique RBT® which projects an impressive 80 Lux light output in a bright – but non-blinding - light beam. The headlamp is equipped with a robust stainless steel front fork bracket and a high-efficiency front reflector for optimal safety and visibility. Only compatible with e-bike systems providing a minimum of 4W power for lighting.

ARTICLE NUMBER	Xe H640028 PR80
LIGHT SOURCE <sup>1</sup>	2 white LEDs > 80 Lux
POWER SOURCE	E-BIKE 6-36VDC
AUTONOMY	-
LOW-BATTERY-INDICATOR <sup>2</sup>	-
FUNCTIONS	-
WEIGHT	<120g

# AXENDO 60



The AXENDO 60 has 2 high-power REBEL® LEDs and features the unique RBT® which projects an impressive 60 Lux light output in a bright – but non-blinding - light beam. The elegant silicone band and high-quality alloy aluminum housing, give it a unique touch.

ARTICLE NUMBER	Xe H639028 PR60
LIGHT SOURCE <sup>1</sup>	2 white LEDs > 60 Lux
POWER SOURCE	E-BIKE 6-36VDC
AUTONOMY	-
LOW-BATTERY-INDICATOR <sup>2</sup>	-
FUNCTIONS	-
WEIGHT	<120g

# AXENDO 40



The AXENDO 40 has 1 high-power REBEL® LED and features the unique RBT® which projects an impressive 40 Lux light output in a bright – but non-blinding - light beam. The elegant silicone band gives the headlamp a unique touch.

ARTICLE NUMBER	Xe H635028 PR40
LIGHT SOURCE <sup>1</sup>	1 white LED > 40 Lux
POWER SOURCE	E-BIKE 6-36VDC
AUTONOMY	-
LOW-BATTERY-INDICATOR <sup>2</sup>	-
FUNCTIONS	-
WEIGHT	<70g

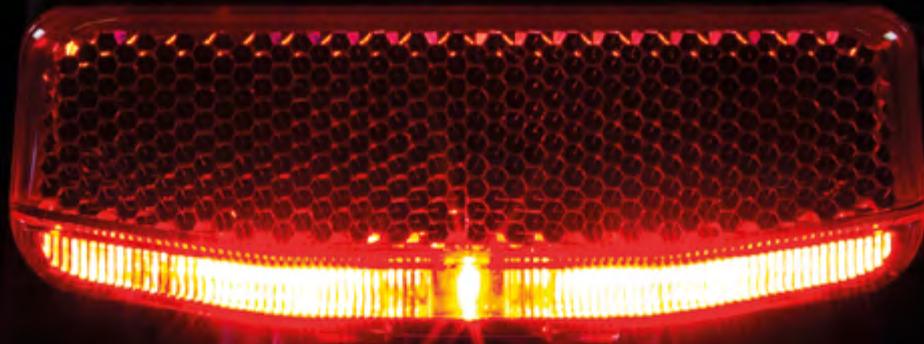
# KENDO+



The idea behind the KENDO+ is to combine a powerful light beam into a modern and very compact shape. The result is a headlamp which fits perfectly to the design of all types of bicycles with an efficient light beam.

ARTICLE NUMBER	Xe H057088 HL 2800
LIGHT SOURCE <sup>1</sup>	1 white LED > 30 Lux
POWER SOURCE	E-BIKE 6-36VDC
AUTONOMY	-
LOW-BATTERY-INDICATOR <sup>2</sup>	-
FUNCTIONS	-
WEIGHT	<70g

# STATE OF THE E-ART



# ELIPS



# SOLO

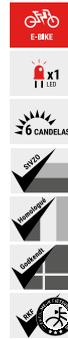


# PRESTO-GUARD New



The elegant ELIPS rearlight features a groundbreaking unique LLT<sup>®</sup> and its 6 super-bright LEDs and integrated large reflector offer an optimal safety with a great to-be-seen visibility distance from the rear and from the sides (320° visibility).

ARTICLE NUMBER	Xe R642018
LIGHT SOURCE <sup>1</sup>	6 red LEDs ▶ 13 Cd
POWER SOURCE	E-BIKE 6-36VDC
AUTONOMY	-
LOW-BATTERY-INDICATOR <sup>2</sup>	-
FUNCTIONS	-
WEIGHT	<60g



Characterized by its ultra-flat design, the SOLO uses the advanced LLT<sup>®</sup> with one LED offering spectacular opportunities to designers in terms of conception. The result is an ideal carrier rearlight for urban cyclists, combining a flat design and a very bright and blazing light beam.

ARTICLE NUMBER	Xe 4470158
LIGHT SOURCE <sup>1</sup>	1 red LED ▶ 6 Cd
POWER SOURCE	E-BIKE 6-36VDC
AUTONOMY	-
LOW-BATTERY-INDICATOR <sup>2</sup>	-
FUNCTIONS	-
WEIGHT	<30g



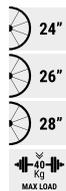
The PRESTO-GUARD is one of the most compact and light weight rearlights of Spanninga. This new product adapted from the seatpost version is the perfect alternative to have an ultra-compact rear visibility on e-bike mudguards.

ARTICLE NUMBER	R638300
	RL15
LIGHT SOURCE <sup>1</sup>	1 red LED ▶ 4 Cd
POWER SOURCE	E-BIKE 6-36VDC
AUTONOMY	-
LOW-BATTERY-INDICATOR <sup>2</sup>	-
FUNCTIONS	-
WEIGHT	<20g

## OTHER GEAR

Just as important as your bicycle itself and the lights, are the other accessories which come with it. Bells, dynamo's and kickstands determine in a big amount the safety and comfortability of your bicycle in traffic. Spanninga offers a comprehensive range of other gear to fulfil these needs.

## LIBRA



The LIBRA is made of powder-coated steel, which makes it extremely resistant. It can hold up until 40 kg. Easy to adjust without any tooling, the LIBRA length can be extended from 24 to 28 inches without any effort.

ARTICLE NUMBERS	3646120 (20mm) <sup>5</sup> 3646130 (30mm) <sup>5</sup>
DESCRIPTION	20 mm plate 30 mm plate

## EASYSTAND



The EASYSTAND is a great quality kickstand, to be mounted on the frame. Made of steel, the EASYSTAND is robust but also easy to fit! It can hold up to 40 kg and has a length of 28 inches.

ARTICLE NUMBERS	3642000 (20mm) <sup>5</sup> 3643000 (30mm) <sup>5</sup>
DESCRIPTION	20 mm plate 30 mm plate

A person is riding a mountain bike at night. The rider is wearing a light-colored jacket and dark shorts. The bike has a bright headlight on the front. The background is dark, suggesting a night setting. The overall mood is adventurous and focused.

## SPORT & OUTDOOR

The fun of riding off-road at night gives a unique feeling and experience. Sport & Outdoor light models from Spanninga provide great visibility for off-road use while they have been designed to fit all types of bicycles, from MTBs to city bikes.





THOR 800  
by Spanninga



Download our Light simulator app!



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# DEFY THE NIGHT

Spanninga presents in exclusivity the THOR series, its new high-power multisport light equipment designed for outdoor cyclists (mountain biking, downhill, etc.) but also mountain and water sports (climbing, caving, trail, ski touring, via ferrata, canyoning, etc...).



# THOR 1100

# THOR 800



The THOR 1100 is equipped with a CREE® XM-L2® LED whose amazing light beam pattern, maximum light output and great runtime will defy and defeat the night.

Its power level can be controlled via the switch by pressing short pulses, allowing shifting from BOOST mode to ECO mode (which shows 30% less light output). To power ON and OFF, the THOR 1100 features a “safe-switch mode” which avoids the light to be turned ON accidentally in a bag: you need to press and hold 2 sec. to start it up. With its robust and waterproof aluminum alloy housing, THOR 1100 is presented as a full set in a handy transport case containing an array of mounting options and accessories.

ARTICLE NUMBER	999136 <sup>5</sup>
LIGHT SOURCE <sup>1</sup>	1 CREE® XM-L2®LED > 1 100 Lumens
POWER SOURCE	Samsung Lithium Ion 8.4V 5200 mA/h rechargeable battery
AUTONOMY	> 6h30 (boost) / 10h30 (eco)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	Boost / Eco
WEIGHT	<80g



More compact than his brother, the THOR 800 is also equipped with a CREE® XM-L2® LED whose maximum light output (reaching 800 Lumens) will also defy the night. The THOR 800 is also equipped with BOOST and ECO modes and features a “safe-switch mode” to prevent accidental discharge of the battery pack. IPX5 resistant and 1m shock-proof, the THOR 800 and its bike accessories is a great and affordable alternative to the THOR 1100.

ARTICLE NUMBER	999167 <sup>5</sup>
LIGHT SOURCE <sup>1</sup>	1 CREE® XM-L2®LED > 800 Lumens
POWER SOURCE	Lithium Ion 8.4V 2000 mA/h rechargeable battery
AUTONOMY	> 3h30 (boost) / 5h30 (eco)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	Boost / Eco
WEIGHT	<60 g



OPTIMAL ELEGANCE



6061-PC

# AXENDO 60

# AXENDO 40



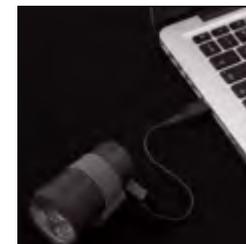
The AXENDO 60 USB has 2 high-power REBEL® LEDs and features the unique RBT® which projects an impressive 60 Lux light output in a bright – but non-blinding – light beam. The headlamp is equipped with an adjustable bracket which can be mounted on all types of handlebars. The high-quality aluminum alloy housing accounts for its robust and luxurious appearance.

ARTICLE NUMBER	999160 PR60
LIGHT SOURCE <sup>1</sup>	2 white LEDs > 60 Lux (300 Lumens)
POWER SOURCE	Li-Ion RECHARGEABLE BATTERY (USB)
AUTONOMY	> 5h (boost) / 9h (on) / 16h (eco)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	Boost / On / Eco
WEIGHT	<210g



The AXENDO 40 USB has 1 high-power REBEL® LED and features the unique RBT® which projects an impressive 40 Lux light output in a bright – but non-blinding – light beam. The headlamp is equipped with an adjustable bracket which can be mounted on all types of handlebars. Furthermore, the integrated reflector adds up to its high level of safety.

ARTICLE NUMBER	999140 PR40
LIGHT SOURCE <sup>1</sup>	1 white LED > 40 Lux (200 Lumens)
POWER SOURCE	Li-Ion RECHARGEABLE BATTERY (USB)
AUTONOMY	> 8h (boost) / 12h (on) / 16h (eco)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	Boost / On / Eco
WEIGHT	<140g



STYLE IN 3D



The TRIGON series consists in a selection of 3 headlamps which stand out with their unique design, robustness and long burntime. Operated with USB or battery, all three are designed with a stylish three-dimensional patterned surface which will make your ride remarkable.

TRIGON 25



The TRIGON 25 is executed with an elegant and striking 3D patterned texture. But next to its design, it is especially the long burn time of this headlamp which makes it absolutely unique in the market of USB rechargeable lights. With its light output of 25 Lux, this light is ideal for city and rural areas. The light is supplied with an USB cable for easy charging.

ARTICLE NUMBERS	999156 999163 (BH500 front fork bracket) <sup>5</sup> HL3901
LIGHT SOURCE <sup>1</sup>	1 white LED > 25 Lux (100 Lumens)
POWER SOURCE	Li-Po RECHARGEABLE BATTERY (USB)
AUTONOMY	> 12h (boost) / 20h (on) / 35h (eco)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	Boost / On / Eco
WEIGHT	<100g

# TRIGON 15



The TRIGON 15 is executed with an elegant and striking 3D patterned texture. But next to its design, it is especially the long burn time of this headlamp which makes it absolutely unique in the market of USB rechargeable lights. With its light output of 80 Lumens, this light is ideal for city and rural areas. The light is supplied with an USB cable for easy charging.

ARTICLE NUMBER	999154 HL3801
LIGHT SOURCE <sup>1</sup>	1 white LED > 80 Lumens
POWER SOURCE	Li-Po RECHARGEABLE BATTERY (USB)
AUTONOMY	> 10h (on) / 20h (eco) / 70h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	On / Eco / Flash
WEIGHT	<100g

# TRIGON 10



The TRIGON 10 is executed with an elegant and striking 3D patterned texture. But next to its design, it is especially the long burn time of this headlamp which makes it absolutely unique in the market. With its light output of 50 Lumens, this light is ideal for city areas.

ARTICLE NUMBERS	999152 999162 (BH500 front fork bracket) <sup>3</sup> HL3701
LIGHT SOURCE <sup>1</sup>	1 white LED > 50 Lumens
POWER SOURCE	BATTERIES 2 x AA 1.5V
AUTONOMY	> 15h / 100h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	On / Flash
WEIGHT	<100g



## ARCO FRONT



Ultra-thin and powerful, the ARCO FRONT will perfectly fit any MTB with its streamlined design. The featured COB LED technology provides 80 Lumens light output for an optimal visibility. And no need to care about replacing batteries: it is rechargeable via USB (cable supplied).

ARTICLE NUMBER	999174 <sup>5</sup>
	UCL
LIGHT SOURCE <sup>1</sup>	White COB LED > 80 Lumens
POWER SOURCE	Li-Po RECHARGEABLE BATTERY (USB)
AUTONOMY	> 5h (on) / 8h (eco) / 10h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	On / Eco / Flash
WEIGHT	<30g

## JET FRONT



Powerful and compact, the silicone JET front and rear lights are the best match for optimal safety. Equipped with a micro USB plug (and cable supplied), it is also environment-friendly since no extra battery is necessary.

ARTICLE NUMBER	999121 <sup>5</sup>
LIGHT SOURCE <sup>1</sup>	2 white LEDs > 20 Lumens
POWER SOURCE	Li-Po RECHARGEABLE BATTERY (USB)
AUTONOMY	> 8h / 30h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	x
FUNCTIONS	On / Flash
WEIGHT	<40g

# HEADLAMPS



# LANZA



Following the success of the TRIGON range series, Spanninga launches the LANZA, an economical little brother of the TRIGON 10. Low price, high performance!

Decked with a 3 dimensional pattern, its design and compact dimensions make it an optimal torch for commuting or any city/sporty use. Equipped with 1 bright LED, the LANZA provides 20 Lumens light output for great front visibility up to 1 500m - front visibility, but also lateral visibility with its backlit glass ring surrounding the torch.

The LANZA is also extremely easy to use without any tool: battery replacement and mounting or removal from the bike can be handled as easily as breathing. Featuring 2 power modes, the LANZA shines up to 30h in steady mode and more than 3 times longer in flashing mode (with 2 AA batteries supplied).



ARTICLE NUMBER	999168
	SOG
LIGHT SOURCE <sup>1</sup>	1 white LED > 20 Lumens
POWER SOURCE	BATTERIES 2 x AA 1.5V
AUTONOMY	30h / 100h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	x
FUNCTIONS	On / Flash
WEIGHT	<90g



## DOT FRONT



Mini size, maxi effect! The DOT FRONT is a condensate light with a lot of energy! With 25mm diameter only, it is visible up to 500m and is extremely easy to attach/dismount.

ARTICLE NUMBER	999172
	SOS
LIGHT SOURCE <sup>1</sup>	1 white LED > 10 Lumens
POWER SOURCE	BATTERIES 2 x CR2032 3V
AUTONOMY	20h / 140h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	x
FUNCTIONS	On / Flash
WEIGHT	<15g

# GOMA



With contrasted soft-touch housing for good grip, an easy-access button (operable even when wearing gloves) and an adjustable rubber bracket, the GOMA is extremely easy to use and carry anywhere.

ARTICLE NUMBER	999065 HL1001
LIGHT SOURCE <sup>1</sup>	4 white LEDs > 20 Lumens
POWER SOURCE	BATTERIES 2 x AA 1.5V
AUTONOMY	> 25h / 100h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	x
FUNCTIONS	On / Flash
WEIGHT	<100g

# ILLICO 2



For those who don't want to waste time on assembling lights in production, Spanninga has designed the ILLICO 2. This tiny headlamp is suitable for all kinds of bikes and features a universal fitting for quick and easy use. 2 secs and it's done!

ARTICLE NUMBER	Xb 161628 <sup>5</sup>
LIGHT SOURCE <sup>1</sup>	1 white LED > 4 Lux
POWER SOURCE	BATTERIES 2 x CR2032 3V
AUTONOMY	> 20h
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	-
WEIGHT	<40g

## ARCO REAR



Ultra-thin and powerful, the ARCO REAR will perfectly fit any MTB with its streamlined design. The featured COB LED technology provides 30 Lumens light output for an optimal visibility. And no need to care about replacing batteries: it is rechargeable via USB (cable supplied).

ARTICLE NUMBERS	999177 (steady) <sup>5</sup> 999175 (flash) <sup>5</sup> UCL
LIGHT SOURCE <sup>1</sup>	red COB LED ▶ 30 Lumens
POWER SOURCE	Li-Po RECHARGEABLE BATTERY (USB)
AUTONOMY	5h (on) / 8h (eco) / 10h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	On / Eco / Flash
WEIGHT	< 30g

## JET REAR



Powerful and compact, the silicone JET rear and front lights are the best match for optimal safety. Equipped with a micro USB plug (cable supplied), it is also environment-friendly since no extra battery is necessary.

ARTICLE NUMBER	999122 <sup>5</sup>
LIGHT SOURCE <sup>1</sup>	2 red LEDs ▶ 20 Lumens
POWER SOURCE	Li-Po RECHARGEABLE BATTERY (USB)
AUTONOMY	> 8h / 30h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	×
FUNCTIONS	On / Flash
WEIGHT	<40g

# RUBY 3

# O



The RUBY 3 features one high power 0.5W LED and 2 extra super bright LEDs enhancing visibility. Ultra-bright and ultra-compact, the RUBY 3 is also easy to handle with its versatile silicone strap mounting system and built-in belt clip for off-road use.

ARTICLE NUMBERS	999126 (steady) 999102 (flash)
LIGHT SOURCE <sup>1</sup>	3 red LEDs > 9 Cd (20 Lumens)
POWER SOURCE	BATTERIES 2 x AAA 1.5V
AUTONOMY	> 90h (eco) / 50h (boost) / 150h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	Eco / Boost / Flash
WEIGHT	<70g



Outstanding design and outstanding performance! Out of its unique and original looks on the bike, the O ensures a high degree of visibility and thus safety on the road.

ARTICLE NUMBERS	999127 (steady) <sup>5</sup> 999125 (flash) <sup>5</sup>
LIGHT SOURCE <sup>1</sup>	2 red LEDs > 4 Cd (15 Lumens)
POWER SOURCE	BATTERIES 2 x AAA 1.5V
AUTONOMY	> 50h / 100h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	On / Flash
WEIGHT	<70g

# PYRO



Versatile, the PYRO rearlight is available in two versions: battery-operated & USB-rechargeable, with steady & flashing modes or without to comply with most EU regulations. Its smart integrated switch on the back makes it very easy and safe to turn on and off.

ARTICLE NUMBERS	999143 (battery) <sup>5</sup> 999144 (battery flash) <sup>5</sup> 999145 (USB) <sup>5</sup> 999146 (USB flash) <sup>5</sup>
LIGHT SOURCE <sup>1</sup>	1 red LED > 6 Cd (20 Lumens)
POWER SOURCE	BATTERY 1 x CR2032 3V Li-Po RECHARGEABLE BATTERY (USB)
AUTONOMY	BATTERY > 25h / 70h (flash) USB > 10h / 15h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	On / Flash
WEIGHT	<20g

# PRESTO 2



The PRESTO 2 is one of the most compact and light weight rearlights of Spanning. This makes the PRESTO 2 ideally suited for those who don't want to spend a lot of time in attaching and maintaining their bike lights. Thanks to its rubber ring, you can easily and quickly attach the PRESTO 2 rearlight to the seat-post of your bike without any tool.

ARTICLE NUMBER	131158 RL16
LIGHT SOURCE <sup>1</sup>	1 red LED > 4 Cd
POWER SOURCE	BATTERIES 2 x LR44 1.5V
AUTONOMY	> 10h
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	-
WEIGHT	<20g

## STAR CUTE

## DOT REAR



This tiny round shaped rearlight has all the assets of a powerful rearlight in an ultra-compact shape. The STAR CUTE can be used either on your bike or as a safety light clipped on a bag, a jacket, a belt, etc. for any activity (cycling, jogging, trekking, etc.).

ARTICLE NUMBER	999002 <sup>5</sup>
LIGHT SOURCE <sup>1</sup>	1 red LED > 10 Lumens
POWER SOURCE	BATTERIES 2 x CR2032 3V
AUTONOMY	> 30h / 70h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	x
FUNCTIONS	On / Flash
WEIGHT	<30g



Mini size, maxi effect! The DOT REAR is a condensate light with a lot of energy! With 25mm diameter only, it is visible up to 500m and is extremely easy to attach/dismount.

ARTICLE NUMBER	999171
LIGHT SOURCE <sup>1</sup>	SOS
POWER SOURCE	BATTERY 1 x CR2032 3V
AUTONOMY	> 30h / 200h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	x
FUNCTIONS	On / Flash
WEIGHT	<15g



## TRIGON 25 SET



Stylish and convenient light set, consisting of the TRIGON 25 USB-rechargeable headlamp and matching PYRO USB-rechargeable rearlight.

ARTICLE NUMBER	999157 <sup>5</sup>
LIGHT SOURCE <sup>1</sup>	1 white LED > 25 Lux + 1 red LED > 6 Cd
POWER SOURCE	Li-Po RECHARGEABLE BATTERY (USB)
AUTONOMY	See pages 48 + 58
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	Boost / On / Eco
WEIGHT	<120g

## TRIGON 15 SET



Stylish and convenient light set, consisting of the TRIGON 15 USB-rechargeable headlamp and matching PYRO USB-rechargeable rearlight.

ARTICLE NUMBER	999155 <sup>5</sup>
LIGHT SOURCE <sup>1</sup>	1 white LED > 80 Lumens + 1 red LED > 20 Lumens
POWER SOURCE	Li-Po RECHARGEABLE BATTERY (USB)
AUTONOMY	See pages 49 + 58
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	On / Eco / Flash
WEIGHT	<120g

## TRIGON 10 SET



Stylish and convenient light set, consisting of the TRIGON 10 battery headlamp and matching PYRO battery rearlight.

ARTICLE NUMBER	999153 <sup>5</sup>
LIGHT SOURCE <sup>1</sup>	1 white LED > 50 Lumens + 1 red LED > 20 Lumens
POWER SOURCE	BATTERIES 2 x AA 1.5V + 1 x CR2032 3V
AUTONOMY	See pages 49 + 58
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	On / Flash
WEIGHT	<120g



12Nm Max  
www.frankfurt.de

## ARCO SET



Ultra-thin and powerful, the ARCO SET will perfectly fit any MTB with its streamlined design. The featured COB LED technology provides 80 Lumens (front) and 30 Lumens (rear) light output for an optimal visibility. And no need to care about replacing batteries: it is rechargeable via USB (cables supplied).

ARTICLE NUMBER	999176 <sup>5</sup>
	UCL
LIGHT SOURCE <sup>1</sup>	White COB LED > 80 Lumens + red COB LED > 30 Lumens
POWER SOURCE	Li-Po RECHARGEABLE BATTERY (USB)
AUTONOMY	See pages 51 + 56
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	On / Eco / Flash
WEIGHT	<60g

## LANZA SET



Decked with a 3 dimensional pattern, the LANZA SET design and compact dimensions make it an optimal set for commuting or any city/sporty use. Equipped with the LANZA and the DOT REAR, it provides a great visibility with an extensive burntime.

ARTICLE NUMBER	999169
LIGHT SOURCE <sup>1</sup>	1 white LED > 20 Lumens + 1 red LED > 10 Lumens
POWER SOURCE	BATTERIES 2 x AA 1.5V + 1 x CR2032 3V
AUTONOMY	See pages 53 + 59
LOW-BATTERY-INDICATOR <sup>2</sup>	x
FUNCTIONS	On / Flash
WEIGHT	<105g

## JET SET



Powerful and compact, the silicone JET SET is the best match for optimal safety. Equipped with a micro USB plug (cable supplied), it is also environment-friendly since no extra battery is necessary.

ARTICLE NUMBER	999124 <sup>5</sup>
LIGHT SOURCE <sup>1</sup>	2 white LEDs > 20 Lumens + 2 red LEDs > 20 Lumens
POWER SOURCE	Li-Po RECHARGEABLE BATTERY (USB)
AUTONOMY	See pages 51 + 56
LOW-BATTERY-INDICATOR <sup>2</sup>	x
FUNCTIONS	On / Flash
WEIGHT	<80g

## GOMA SET



Small light weight light set made of the GOMA headlamp and the STAR CUTE rearlight. Great for riding home from work after dark.

ARTICLE NUMBER	999068 <sup>5</sup>
LIGHT SOURCE <sup>1</sup>	4 white LEDs > 20 Lumens + 1 red LED > 10 Lumens
POWER SOURCE	BATTERIES 2 x AA 1.5V + 2 x CR2032 3V
AUTONOMY	See pages 55 + 59
LOW-BATTERY-INDICATOR <sup>2</sup>	x
FUNCTIONS	On / Flash
WEIGHT	<130g

# VISIO



Visibility on the sides of the bike is a must. Bar-end lights are an easy and trendy way to get visibility and thus security. Modern design with soft-touch coating, the VISIO is also universal: it can be easily mounted on either MTBs or racing bikes due to its shape.

ARTICLE NUMBER	999063 <sup>5</sup>
LIGHT SOURCE <sup>1</sup>	2 x 2 red LEDs > 15 Lumens
POWER SOURCE	BATTERIES 2 x AAA 1.5V
AUTONOMY	> 30h / 40h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	x
FUNCTIONS	On / Flash
WEIGHT	<50g





## DOT SET

Mini size, maxi effect! The DOT SET is a condensate light set with a lot of energy! Decker with a 3 dimensional pattern, the DOT SET is an optimal solution for quick and affordable safety while commuting or any city/sporty use. With 25mm diameter only and 15g each, it operates with CR2032 cell batteries for a fantastic burntime. It is also extremely easy to attach/dismount on any tube from 19 to 32mm thanks to its built-in silicone adjustable bracket. Besides, replacing batteries is painless and does not require any tooling.



ARTICLE NUMBER	999173
	SOS
LIGHT SOURCE <sup>1</sup>	1 white LED > 10 Lumens + 1 red LED > 10 Lumens
POWER SOURCE	BATTERIES 2x CR2032 3V + 1 x CR2032 3V
AUTONOMY	See pages 54 + 59
LOW-BATTERY-INDICATOR <sup>2</sup>	x
FUNCTIONS	On / Flash
WEIGHT	<30g

## BRACKETS

### BH 500



Accessory compatible with all Spanninga SPORT & OUTDOOR headlamps except the THOR series for mounting on front forks.

ARTICLE NUMBERS	4230025 (black) 4230029
MATERIAL	Stainless steel
MOUNTING	Front fork
COMPATIBLE WITH	ALL SPORT & OUTDOOR HEADLAMPS EXCEPT THE THOR SERIES
COLOURS	

### BH 140



Accessory compatible with all Spanninga SPORT & OUTDOOR headlamps except the THOR series for mounting on front forks.

ARTICLE NUMBER	999043
MATERIAL	Plastic / Stainless steel
MOUNTING	Front fork
COMPATIBLE WITH	ALL SPORT & OUTDOOR HEADLAMPS EXCEPT THE THOR SERIES

### BH 26



Accessory compatible with all Spanninga SPORT & OUTDOOR headlamps except the THOR series for mounting on handlebars with a diameter ranging from 22.2 to 32mm.

ARTICLE NUMBER	999012
MATERIAL	Plastic
MOUNTING	Handlebar
COMPATIBLE WITH	ALL SPORT & OUTDOOR HEADLAMPS EXCEPT THE THOR SERIES

BR 05



Accessory compatible with RUBY 3 & PYRO rearlights for mounting on seat-post or seat-stay with a diameter ranging from 15 to 31.8mm.

ARTICLE NUMBER	999150
MATERIAL	Plastic / Silicone
MOUNTING	Seat-post / Seat-stay
COMPATIBLE WITH	RUBY 3 & PYRO

BH 07



Accessories compatible with the ARCO series for mounting on tubes with a diameter ranging from 15 to 31.8mm.

ARTICLE NUMBER	999178 <sup>5</sup>
MATERIAL	Silicone
MOUNTING	Handlebar/frame tube / fork / Seat-post / Seat-stay
COMPATIBLE WITH	ARCO front & ARCO rear

BH 04



Accessories compatible with the THOR headlamp series for mounting on handlebars with a diameter ranging from 26 to 32mm.

ARTICLE NUMBER	999139 <sup>5</sup>
MATERIAL	Silicone
MOUNTING	Handlebar/frame tube / fork
COMPATIBLE WITH	THOR 800 & THOR 1100

BH 02



Accessory compatible with the THOR headlamp series for mounting on handlebars with a diameter ranging from 22 to 35mm.

ARTICLE NUMBER	999141 <sup>5</sup>
MATERIAL	Plastic / Silicone
MOUNTING	Handlebar
COMPATIBLE WITH	THOR 800 & THOR 1100

# DISPLAYS

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## SWINGO RETRO DISPLAY



Attractive display in retro design filled with 5x SWINGO headlamp.

ARTICLE NUMBER	H070030 <sup>5</sup>
CONTENT	5x SWINGO XB CHROME
PRODUCT INFO	See page 25

## PIXEO RETRO DISPLAY



Attractive display in retro design filled with 10x PIXEO rearlight.

ARTICLE NUMBER	4100010 <sup>5</sup>
CONTENT	10x PIXEO XB BLACK
PRODUCT INFO	See page 31

## NR8 RETRO DISPLAY



Attractive display in retro design filled with 10x NR8 rearlight.

ARTICLE NUMBERS	0801000 <sup>5</sup> (W/O BULB AND CABLE) 0808000 <sup>5</sup> (WITH BULB + 210CM CABLE)
CONTENT	10x NR8
PRODUCT INFO	See page 33

## NR9 RETRO DISPLAY



Attractive display in retro design filled with 10x NR9 rearlight.

ARTICLE NUMBER	4475009 <sup>5</sup>
CONTENT	10x NR9 XB
PRODUCT INFO	See page 32

# Glossary

	Halogen bulb	LED	Dynamo	Battery	On/off <sup>6</sup>	Auto <sup>7</sup>	Safe Stop <sup>3</sup>	E-bike <sup>8</sup>
HD	•		•					
HDO	•		•		•			
HDS	•		•				•	
HDA	•		•		•	•		
HDOS	•		•		•		•	
HDAS	•		•		•	•	•	
XD		•	•					
XDO		•	•		•			
XDS		•	•				•	
XDA		•	•		•	•		
XDOS		•	•		•		•	
XDAS		•	•		•	•	•	
XB		•		•	•			
XBA		•		•	•	•	•	
XE		•						•
XEO		•			•			•
XEA		•			•	•		•

1 at 10m distance

2 starts when the battery capacity is ca. 25%

3 the light shines when the bike is stopped up to 2 min. (dynamo front lights) / up to 4 min. (dynamo rear lights) and ca. 20 sec. (battery rearlights)

4 the light shines during daytime for increased visibility

5 only available in Europe

6 with manual switch (hub dynamo)

7 with light and motion sensor

8 suitable for use with e-bikes 6-36VDC

# Glossary

VERSION



BATTERY



DYNAMO



USB RECHARGEABLE



RECHARGEABLE



E-BIKE<sup>8</sup>

FUNCTIONS



DAYLIGHT<sup>4</sup>



FLASH



SAFE-STOP<sup>3</sup>



BOOST



ECO



AUTO<sup>7</sup>

FEATURES



LIGHT OUTPUT



LED



LED REAR



BEAM DISTANCE



VISIBILITY DISTANCE



BURNTIME



WEIGHT



SHOCK RESISTANT



WATER RESISTANT



WEATHER RESISTANT



MAX LOAD



KICKSTAND LENGTH 24"



KICKSTAND LENGTH 26"



KICKSTAND LENGTH 28"

APPROVALS



GERMAN APPR.



DANISH APPR.



FRENCH APPR.



DUTCH APPR.



Keep ahead of light.

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