



 **spanninga**

Keep ahead of light.

LIGHTS & ACCESSORIES |

2021-2022

Keep ahead of light.



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AUTHENTIC SINCE 1918

## PIONEERING SAFETY FOR +100 YEARS

The origins of SPANNINGA go back to 1918, when the company was founded in the Frisian town of Joure (The Netherlands). The forward-looking actions of three generations of entrepreneurs has led to the company developing from a small workshop to a globally active group, which today is amongst the leaders of micromobility lighting in the world.

Over 100-year heritage, the trust our customers have in our brand, the passion and inspiration of our team all over the world as well as our integrity keep us striving to meet the next challenges, and to pursue the goal of contributing to a safer, smarter and more attractive micromobility for everyone, day and night.

Pioneering safety. For the next 100 years





AUTHENTIC SINCE 1918

1918  
2018



1952



1950



1937



1959



1955



1940



1967



1984



1975



2018



## 1918

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

## 1920

SPANNINGA starts with the production of roadside lights for the automotive industry.

## 1922

Due to exceptional performances, SPANNINGA receives the distinguished title of: "Purveyor to the Royal Household of The Netherlands."

## 1935

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

## 1937

SPANNINGA starts with the production of bicycle lighting. Hotso Spanninga being originally a goldsmith, first SPANNINGA rearlights were artwork: polished until they shine like jewels.

## 1947

Completion of the SPANNINGA factory at Geert Knolweg in Joure (The Netherlands).

## 1952

Due to a shortage of copper during the Korean War, SPANNINGA is forced to use aluminum for the production of bicycle lighting.

## 1959

SPANNINGA starts with the production of the iconic streamline rearlight.

SPANNINGA introduces the first integrated pedal reflectors.

## 1960

SPANNINGA creates the first plastic optical blocks for rearlights replacing glass.

## 1965

Gatze and Gerben (Jeppe) Spanninga take over the company from their father. Each brother owns 50% of the shares.

Production by SPANNINGA of the first insurance plates for mopeds.

## 1970

Takeover of JOS by CIBIÉ in Nantua (France).

## 1973

Production by SPANNINGA of the first red reflectors for Dutch bicycles (compulsory in The Netherlands since 1977).

## 1984

JOS becomes independent again and is now called JOS/CIBIÉ.

## 1986

SPANNINGA starts with the production of bicycle bells.

## 1987

Side reflectors in bicycle wheels become compulsory in The Netherlands.

## 1989

Feike Spanninga takes over the company from his father.

SPANNINGA Netherlands starts with the production of kickstands.

## 1992

Takeover of JOS by SPANNINGA Netherlands and creation of the company JOS INTERNATIONAL, alias SPANNINGA France, in Nantua (France).

## 1997

Creation of the first sensors in bicycle lights. SPANNINGA Netherlands brings (among others) the SPX and Ultra with sensors to the market.

## 2002

SPANNINGA France sells its automotive activities and from now on focuses completely on the production of bicycle lighting.

## 2006

Takeover by SPANNINGA Netherlands of the European activities of HELLA BIKE.

Creation of a subsidiary in Shunde (China) called Spanninga Bicycle Components, alias SPANNINGA China.

## 2015

Takeover by SPANNINGA Netherlands of the bicycle lighting activities of PHILIPS.

## 2018

Celebration of SPANNINGA's 100 years anniversary.



Feike Spanninga

**AUTHENTIC SINCE 1918**



## SAFE WAY OF RIDING

SPANNINGA lights are designed to keep you and your loved ones safe in the dark but also in daylight. The use of our lights enhances visibility and helps feeling safe while riding. Powerful and lightweight, water-resistant and reliable, user-friendly and durable: our products unite all the qualities required for carefree use.

This aspiration does not only apply to the exceptional quality that our products are known for around the world. Independent, respected authorities confirm our enduring management systems through recurring certification each year and support us in ensuring our high standards.





### Certificates

Our production sites in France and in China are both certified ISO 9001, proving that we are constantly seeking higher performance, especially in terms of quality and customer service.

SPANNINGA France also has the ATEX certification, which means the factory is authorized to develop products which comply with the regulations for use in explosive environments. This certification implies a thorough risk analysis in the conception phase and in the choices of production methods.

### Values

In order to define the visibility distance of our lights, SPANNINGA uses their own 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 defined, 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 ensure the light output and visibility meet our expectations and the regulations we apply for,
- Impact 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 IPX4 rating (protection against splashed or sprayed water from any angle for some time).

### 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 use and mainly supply our products with high-performance batteries.



## 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.

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.



## 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).



## 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.

## REVERSE BEAM TECHNOLOGY®

As a major development, Spanninga has developed the LED Reverse Beam Technology (RBT®) that uses only ¼ 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.

## PERFORMANCE THROUGH INNOVATION



## 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.

## 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 bent or follow any shape.



## PERFORMANCE THROUGH INNOVATION



## CONTOUR LIGHTING TECHNOLOGY®

The Contour Lighting Technology (CLT®) provides a previously unattainable level of light diffusion. It features an array of LEDs radiating through a semi-transparent light diffuser which is coated with a reflective material in order to project the light towards the desired direction.

Inspired by automotive lighting, it is the next step in bicycle lighting technology opening up endless creative opportunities by enabling customizable lighting designs.

A black and white photograph of a person riding a bicycle at night. The cyclist is wearing a long-sleeved sweater and jeans. The bicycle has 'dutch id' written on the front fork. The background shows a city street at night with blurred lights and buildings. The overall mood is dark and urban.

## 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.







## 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.



# AXENDO 60

New



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. The AXENDO 60 comes with an upgraded design in a new, black colour, silicone band and robust bracket.

ARTICLE NUMBER	XDASTc H639018
LIGHT SOURCE <sup>1</sup>	2 white LEDs ▶ 60 Lux + white COB LED (DRL <sup>6</sup> )
POWER SOURCE	DYNAMO
AUTONOMY	-
LOW-BATTERY-INDICATOR <sup>2</sup>	-
FUNCTIONS	Light & Motion Sensor <sup>6</sup> Safe-Stop <sup>3</sup> DRL <sup>4</sup>
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	XDOc H635008 XDASc H635018
LIGHT SOURCE <sup>1</sup>	1 white LED ▶ 40 Lux
POWER SOURCE	DYNAMO
AUTONOMY	-
LOW-BATTERY-INDICATOR <sup>2</sup>	-
FUNCTIONS	Light & Motion Sensor <sup>6</sup> (XDASc) Safe-Stop <sup>3</sup> (XDASc)
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	XDOc H057038
LIGHT SOURCE <sup>1</sup>	1 white LED > 30 Lux
POWER SOURCE	DYNAMO
AUTONOMY	-
LOW-BATTERY-INDICATOR <sup>2</sup>	-
FUNCTIONS	-
WEIGHT	<70g

# 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<sup>®</sup> - the BRIO provides 15 Lux light output and is ideal for all types of bikes.

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

# GALEO



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	XDOc H058038 XB + BH190 H058128 XB + BH192 H058118
LIGHT SOURCE <sup>1</sup>	1 white LED > 4 Lux
POWER SOURCE	DYNAMO (XDOc) BATTERIES 2 x AA 1.5V (XB)
AUTONOMY	Max. 40h (XB)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓ (XB)
FUNCTIONS	-
WEIGHT	<100g



GALEO XB + BH190



GALEO XB + BH192

# SWINGO



SWINGO XDOc



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 2021!

ARTICLE NUMBERS	XDOc H070309 (chrome) XDOc H070308 (black) XB F H070017 (chrome) XB F H070027 (black) XB D H123108 (chrome) XB D H123008 (black)
LIGHT SOURCE <sup>1</sup>	1 white LED ▶ 4 Lux (XB F) 1 white LED ▶ 20 Lux (XDOc, XB D)
POWER SOURCE	DYNAMO (XDOc) BATTERIES 3 x AAA 1.5V (XB F) BATTERIES 4 x AAA 1.5V (XB D)
AUTONOMY	Max. 40h (XB F, XB D)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓ (XB F, XB D)
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	XDOc H044330 (black) XB H044322 (chrome) XB H044320 (black)
LIGHT SOURCE <sup>1</sup>	1 white LED ▶ 10 Lux
POWER SOURCE	DYNAMO (XDOc) BATTERIES 3 x AA 1.5V (XB)
AUTONOMY	Max. 100h (XB)
LOW-BATTERY-INDICATOR <sup>2</sup>	×
FUNCTIONS	-
WEIGHT	<130g
COLOURS	■ ■

SPICE UP  
YOUR BIKE



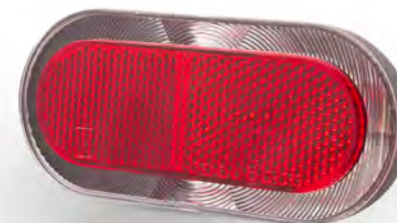
# PIMENTO



The ground-breaking PIMENTO rearlight features the most innovative and recent technologies within the market. Featuring the COB LED technology, this high-performance rearlight gives an extremely bright power beam towards the back and the sides, while keeping ultra-compact dimensions.

ARTICLE NUMBER	XDvS R673008
LIGHT SOURCE <sup>1</sup>	Red COB LED > 5 Cd
POWER SOURCE	DYNAMO
AUTONOMY	-
LOW-BATTERY-INDICATOR <sup>2</sup>	-
FUNCTIONS	Safe-Stop <sup>3</sup>
WEIGHT	<40g

# 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).

ARTICLE NUMBER	XB R642028
LIGHT SOURCE <sup>1</sup>	6 red LEDs > 13 Cd
POWER SOURCE	BATTERIES 2 x AAA 1.5V
AUTONOMY	Max. 50h
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	-
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	XB H056018 XBA H056028
LIGHT SOURCE <sup>1</sup>	2 red LEDs ▶ 10 Cd
POWER SOURCE	BATTERIES 2 x AA 1.5V (XB, XBA)
AUTONOMY	Max. 180h (XB, XBA)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓ (XB, XBA)
FUNCTIONS	Light & Motion Sensor <sup>6</sup> (XBA)
WEIGHT	<120g

# 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	XDvS 4470108 XB 4470008 XBA 4470028
LIGHT SOURCE <sup>1</sup>	1 red LED ▶ 6 Cd
POWER SOURCE	DYNAMO (XDvS) BATTERIES 2 x AAA 1.5V (XB, XBA)
AUTONOMY	Max. 100h (XB, XBA)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓ (XB, XBA)
FUNCTIONS	Light & Motion Sensor <sup>6</sup> (XBA) Safe-Stop <sup>3</sup> (XDvS)
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	Max. 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 NUMBER	XB H608118
LIGHT SOURCE <sup>1</sup>	1 red LED > 5 Cd
POWER SOURCE	BATTERIES 2 x AA 1.5V
AUTONOMY	Max. 180h
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	-
WEIGHT	<110g

# 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	XDvS 135118 (black) XB 135518 (black) XB 135538 (chrome + protector) XB 135558 (black + protector) XBA 135618 (black)
LIGHT SOURCE <sup>1</sup>	1 red LED > 8 Cd
POWER SOURCE	DYNAMO (XDvS) BATTERIES 2 x AAA 1.5V (XB, XBA)
AUTONOMY	Max. 120h (XB, XBA)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓ (XB, XBA)
FUNCTIONS	Light & Motion Sensor <sup>6</sup> (XBA) Safe-Stop <sup>3</sup> (XDvS)
WEIGHT	<40g
COLOURS	■ ■■

# NR9



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

ARTICLE NUMBERS	XDvS 4475018 XB 4475008
LIGHT SOURCE <sup>1</sup>	1 red LED > 5 Cd
POWER SOURCE	DYNAMO (XDvS) BATTERIES 2 x AAA 1.5V (XB)
AUTONOMY	Max. 120h (XB)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓ (XB)
FUNCTIONS	Safe-Stop <sup>3</sup> (XDvS)
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
LIGHT SOURCE <sup>1</sup>	2 red LEDs > 4 Cd
POWER SOURCE	BATTERIES 2 x AAA 1.5V
AUTONOMY	Max. 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. The PRESTO-GUARD comes as an updated version with Z-reflector.

ARTICLE NUMBERS	XDvS R638108 XB R638008
LIGHT SOURCE <sup>1</sup>	1 red LED > 4 Cd
POWER SOURCE	DYNAMO (XDvS) BATTERIES 2 x LR44 1.5V (XB)
AUTONOMY	Max. 25h
LOW-BATTERY-INDICATOR <sup>2</sup>	✓ (XB)
FUNCTIONS	Safe-Stop <sup>3</sup> (XDvS)
WEIGHT	<20g



## 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.





# 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 reflector.

Compatible for systems with a minimum of 4W power for lighting. The AXENDO 80 comes with an upgraded design in a new, black colour, silicone band and robust bracket.

ARTICLE NUMBER	XE H640028
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	<130g

# 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. The AXENDO 60 comes with an upgraded design in a new, black colour, silicone band and robust bracket.

ARTICLE NUMBER	XE H639028
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	<130g

# 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
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

# X&O 30



One of the most recent developments in the Spanninga assortment is the X&O 30. This elegant e-bike headlamp is executed with a miniaturized version of the high performance Philips® optical system.

ARTICLE NUMBER	XE H676108
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	<40g

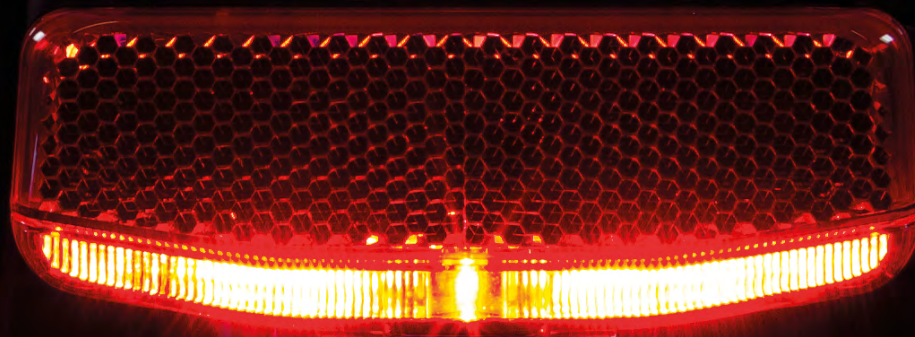
# KENDO+



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 e-bikes with an efficient light beam.

ARTICLE NUMBER	XE H057088
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





# PIMENTO



The ground-breaking PIMENTO rearlight features the most innovative and recent technologies within the market. Featuring the COB LED technology, this high-performance rearlight gives an extremely bright power beam towards the back and the sides, while keeping ultra-compact dimensions.

ARTICLE NUMBER	XE R673028
LIGHT SOURCE <sup>1</sup>	Red COB LED > 5 Cd
POWER SOURCE	E-BIKE 6-36VDC
AUTONOMY	-
LOW-BATTERY-INDICATOR <sup>2</sup>	-
FUNCTIONS	-
WEIGHT	<40g

# SOLO



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 e-bikes, 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

# 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 e-bike mudguards. The PRESTO-GUARD comes as an updated version with Z-reflector.

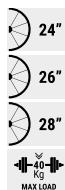
ARTICLE NUMBER	XE R638308
LIGHT SOURCE <sup>1</sup>	1 red LED > 4 Cd
POWER SOURCE	E-BIKE 6-36VDC
AUTONOMY	-
LOW-BATTERY-INDICATOR <sup>2</sup>	-
FUNCTIONS	-
WEIGHT	<20g

## 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) 3646130 (30mm)
DESCRIPTION	20 mm plate 30 mm plate
MOUNTING	Central mount
DIMENSIONS	24-28"
MATERIAL	Steel / plastic

# 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) 3643000 (30mm)
DESCRIPTION	20 mm plate 30 mm plate
MOUNTING	Central mount
DIMENSIONS	28"
MATERIAL	Steel

# EASYRING



Security on the road is not only to be seen, but also to be heard. With the EASYRING bell, you can easily alert other road users for danger. The EASYRING is made out of steel and therefore very robust and rust proof. The universal fitting makes the bell easy to mount on each handlebar.

ARTICLE NUMBERS	2953A00V (black) 295300V (chrome) 2953C00V (mat chrome)
MOUNTING	Handlebar
DIMENSIONS	Ø 55mm
MATERIAL	Steel
COLOURS	

# RR03 RETRO DISPLAY



Attractive display in retro design filled with 10x RR03 rear carrier reflector. Available in a 50mm bolt distance version and a 80mm bolt distance version.

ARTICLE NUMBERS	4031000 (50mm) 4029000 (80mm)
CONTENT	10x RR03 rear reflector (50mm) 10x RR03 rear reflector (80mm)
MOUNTING	Carrier (50mm bolt distance) Carrier (80mm bolt distance)
DIMENSIONS	110 x 48mm (50mm) 112 x 54mm (80mm)

# RR03



Red reflector for rear carrier mounting with 80mm bolt distance.

ARTICLE NUMBER	4030002
MOUNTING	Carrier
DIMENSIONS	112 x 54mm

# RA03



Amber reflector for spoke mounting.

ARTICLE NUMBER	401100VA
MOUNTING	Spoke
DIMENSIONS	80 x 40mm

# GALEO XB



Workshop display, filled with 25x GALEO XB in bulk, including batteries.

ARTICLE NUMBER	H058124
CONTENT	25x Galeo XB + BH190 (incl. 2 x AA batteries)
DESCRIPTION	See page 20

# Duxo XB



Workshop display, filled with 25x DUXO XB in bulk, including batteries.

ARTICLE NUMBER	H608124
CONTENT	25x Duxo XB (incl. 2 x AA batteries)
DESCRIPTION	See page 25



## 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.





trigon 25 USB  
by Spanninga

# DEFY THE NIGHT



Spanninga presents the THOR 1100, its exclusive 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



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
LIGHT SOURCE <sup>1</sup>	1 white CREE® XM-L2® LED > 1100 Lumens
POWER SOURCE	Lithium Ion 8.4V 5200 mA/h rechargeable battery
AUTONOMY	Max. 6h30 (boost) / 16h (eco)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	Boost / Eco
WEIGHT	<80g



# AXENDO 60



The AXENDO 60 USB has 2 high-power REBEL® LEDs and features the unique RBT® which projects an impressive 60 Lux (300 Lumens) 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
LIGHT SOURCE <sup>1</sup>	2 white LEDs > 60 Lux (300 Lumens)
POWER SOURCE	Li-Ion RECHARGEABLE BATTERY (USB)
AUTONOMY	Max. 5h (boost) / 9h (on) / 16h (eco)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	Boost / On / Eco
WEIGHT	<210g

# AXENDO 40



The AXENDO 40 USB has 1 high-power REBEL® LED and features the unique RBT® which projects an impressive 40 Lux (200 Lumens) 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	999159
LIGHT SOURCE <sup>1</sup>	1 white LED > 40 Lux (200 Lumens)
POWER SOURCE	Li-Ion RECHARGEABLE BATTERY (USB)
AUTONOMY	Max. 8h (boost) / 12h (on) / 16h (eco)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	Boost / On / Eco
WEIGHT	<140g

STYLE IN 3D



The TRIGON headlamp stands out with its unique design, robustness and long burntime. Operated with USB and designed with a stylish three-dimensional patterned surface which will make your ride remarkable.

TRIGON 25



TRIGON 25 SET II



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 (100 Lumens), this light is ideal for city and rural areas. The light is supplied with a USB cable for easy charging.

ARTICLE NUMBERS	999156 TRIGON 25 SET II 999192
LIGHT SOURCE <sup>1</sup>	1 white LED > 25 Lux (100 Lumens) Red COB LED > 8 Cd (30 Lumens)
POWER SOURCE	Li-Po RECHARGEABLE BATTERY (USB)
AUTONOMY	Max. 12h (boost) / 20h (on) / 35h (eco) Max. 5h
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	Boost / On / Eco
WEIGHT	<100g + <30g

# ARCO FRONT



ARCO SET



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 NUMBERS	999174 ARCO SET 999176
LIGHT SOURCE <sup>1</sup>	White COB LED ▶ 80 Lumens Red COB LED ▶ 30 Lumens
POWER SOURCE	Li-Po RECHARGEABLE BATTERY (USB)
AUTONOMY	Max. 5h (on) / 8h (eco) / 10h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	On / Eco / Flash
WEIGHT	<30g + <30g

# ARCO REAR



Ultra-thin and powerful, the ARCO REAR will perfectly fit any MTB with its streamlined design. The featured COB LED technology provides 8 Candela (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) 999175 (flash)
LIGHT SOURCE <sup>1</sup>	Red COB LED ▶ 8 Cd (30 Lumens)
POWER SOURCE	Li-Po RECHARGEABLE BATTERY (USB)
AUTONOMY	Max. 5h (on) / 8h (eco) / 10h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	On / Eco / (Flash)
WEIGHT	<30g

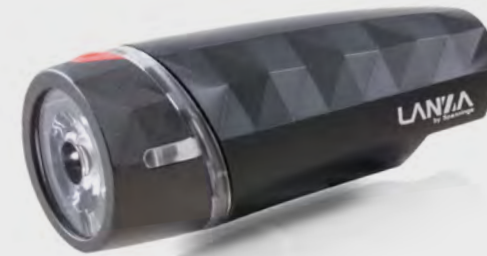
ELEGANT  
PERFORMANCE

Following the success of the TRIGON 25, SPANNINGA launches the LANZA, its economical little brother. Low price, high performance!

LANZA



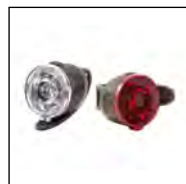
LANZA SET



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 1500m, but also lateral visibility with its backlit glass ring surrounding the torch.

ARTICLE NUMBERS	999168 LANZA SET 999169
LIGHT SOURCE <sup>1</sup>	1 white LED > 20 Lumens 1 red LED > 10 Lumens
POWER SOURCE	BATTERIES 2 x AA 1.5V BATTERY 1 x CR2032 3V
AUTONOMY	Max. 30h (on) / 100h (flash) Max. 30h (on) / 200h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	x
FUNCTIONS	On / Flash
WEIGHT	<90g + <15g

## DOT FRONT



DOT SET



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 NUMBERS	999172 DOT SET 999173
LIGHT SOURCE <sup>1</sup>	1 white LED > 10 Lumens 1 red LED > 10 Lumens
POWER SOURCE	BATTERIES 2 x CR2032 3V BATTERY 1 x CR2032 3V
AUTONOMY	Max. 20h (on) / 140h (flash) Max. 30h (on) / 200h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	x
FUNCTIONS	On / Flash
WEIGHT	<15g + <15g

## DOT REAR



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>	1 red LED > 10 Lumens
POWER SOURCE	BATTERY 1 x CR2032 3V
AUTONOMY	Max. 30h (on) / 200h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	x
FUNCTIONS	On / Flash
WEIGHT	<15g

## ILLICO 3



The ILLICO 3 headlamp is a clever and good looking front light on each bicycle, which will stand out proudly from the handlebar. You can attach the light in 2 seconds with the convenient, rubber o-ring bracket. Its cute, small design integrates perfectly in the line of the bike, while guaranteeing visibility at night.

ARTICLE NUMBER	162628
LIGHT SOURCE <sup>1</sup>	1 white LED > 4 Lux
POWER SOURCE	BATTERIES 2 x CR2032 3V
AUTONOMY	Max. 10h
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	-
WEIGHT	<25g

## PRESTO 2



The PRESTO 2 is one of the most compact and light weight rearlights of Spanninga. 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
LIGHT SOURCE <sup>1</sup>	1 red LED > 4 Cd
POWER SOURCE	BATTERIES 2 x LR44 1.5V
AUTONOMY	Max. 10h
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	-
WEIGHT	<20g



# RUBY 3



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) 3 red LEDs ▶ 80 Lumens
POWER SOURCE	BATTERIES 2 x AAA 1.5V
AUTONOMY	Max. 50h Max. 90h (on) / 45h (boost) / 60h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	On / (Boost) / (Flash)
WEIGHT	<70g

# PYRO



Versatile, the PYRO rearlight is available in a battery-operated version, with a steady and flash option. Its smart integrated switch on the back makes it very easy and safe to turn on and off.

ARTICLE NUMBERS	999143 (steady) 999144 (flash)
LIGHT SOURCE <sup>1</sup>	1 red LED ▶ 6 Cd (20 Lumens)
POWER SOURCE	BATTERY 1 x CR2032 3V
AUTONOMY	Max. 25h Max. 30h (on) / 70h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	✓
FUNCTIONS	On / (Flash)
WEIGHT	<20g

# 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
LIGHT SOURCE <sup>1</sup>	2 x 2 red LEDs ▶ 15 Lumens
POWER SOURCE	BATTERIES 2 x AAA 1.5V
AUTONOMY	Max. 30h (on) / 40h (flash)
LOW-BATTERY-INDICATOR <sup>2</sup>	x
FUNCTIONS	On / Flash
WEIGHT	<50g

# BRACKETS



NAME	BH500	BH520	BH140	BH26	BR05	BR11
MATERIAL	Stainless steel	Plastic	Stainless steel	Plastic	Plastic / silicone	Plastic
MOUNTING	Front fork	BOSCH® INTUVIA & NYON handlebar displays Ø22-31mm	Front fork wire thickness Ø=4mm	Handlebar Ø22.2-32mm	Seat-post + seat-stay Ø25.5-32mm	Saddle adaptor
COLOURS						
COMPATIBLE WITH						
<b>CITY &amp; TREKKING</b>						
<i>Axendo series</i>		•				
<i>Kendo+</i>		•				
<i>X&amp;O 30</i>		•				
<i>X&amp;O 25</i>						
<i>Brio</i>		•				
<i>Galeo</i>						
<i>Swingo</i>						
<i>Trendo</i>						
<i>Pimento</i>						•
<i>Elips</i>						•
<i>Lineo</i>						•
<i>Solo</i>						•
<i>Plateo</i>						•
<i>Duxo</i>						•
<i>Pixeo</i>						
<i>Nr 9</i>						
<i>O-Guard</i>						
<i>Presto-Guard</i>						
<i>RA03</i>						
<i>RR03</i>						•
<b>SPORT &amp; OUTDOOR</b>						
<i>Thor 1100</i>						
<i>Axendo 60</i>	•		•	•		
<i>Axendo 40</i>	•		•	•		
<i>Trigon 25</i>	•		•	•		
<i>Arco Front</i>						
<i>Lanza</i>	•		•	•		
<i>Dot Front</i>						
<i>Illico 3</i>						
<i>Arco Rear</i>						
<i>Ruby 3</i>					•	
<i>Pyro</i>					•	
<i>Presto 2</i>						
<i>Dot Rear</i>						
<i>Visio</i>						





NAME	BH07	BH04	BH01	THOR BATTERY	THOR CHARGER
MATERIAL	Silicone	Silicone	Plastic	Neoprene / Velcro®	Plastic
MOUNTING	Tubes Ø10-60mm	Handlebar Ø26-32mm	Helmet + THOR headband	Tube	N/A

COLOURS

COMPATIBLE WITH

**CITY & TREKKING**

<i>Axendo series</i>					
<i>Kendo+</i>					
<i>X&amp;O 30</i>					
<i>X&amp;O 25</i>					
<i>Brio</i>					
<i>Galeo</i>					
<i>Swingo</i>					
<i>Trendo</i>					
<i>Pimento</i>					
<i>Elips</i>					
<i>Lineo</i>					
<i>Solo</i>					
<i>Plateo</i>					
<i>Duxo</i>					
<i>Pixeo</i>					
<i>Nr 9</i>					
<i>O-Guard</i>					
<i>Presto-Guard</i>					
<i>RA03</i>					
<i>RR03</i>					

**SPORT & OUTDOOR**

<i>Thor 1100</i>		•	•	•	•
<i>Axendo 60</i>					
<i>Axendo 40</i>					
<i>Trigon 25</i>					
<i>Arco Front</i>	•				
<i>Lanza</i>					
<i>Dot Front</i>					
<i>Illico 3</i>					
<i>Arco Rear</i>	•				
<i>Ruby 3</i>					
<i>Pyro</i>					
<i>Presto 2</i>					
<i>Dot Rear</i>					
<i>Visio</i>					

# Glossary

	LETTER 1	LETTER 2				LETTER 3, 4, ...				
	LIGHT SOURCE	POWER SOURCE				FEATURES				
	X	B	D	Dv	E	O	A	S	T	c
	LED	BATTERY	DYNAMO AC powered	DYNAMO AC powered  (should be connected to headlamp)	E-BIKE <sup>7</sup> DC powered	manual SWITCH <sup>5</sup>	AUTO <sup>6</sup>	SAFE-STOP <sup>3</sup>	DAYLIGHT <sup>4</sup>	SECONDARY CONNECTION
<b>XB</b>	•	•								
<b>XBA</b>	•	•					•			
<b>XDvS</b>	•			•				•		
<b>XDOc</b>	•		•			•				•
<b>XDASc</b>	•		•				•	•		•
<b>XDASTc</b>	•		•				•	•	•	•
<b>XE</b>	•				•					

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)

















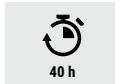










4 the light shines during daytime for increased visibility

5 with manual switch (hub dynamo)

6 with light and motion sensor

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

# Glossary

VERSION	 INCL.	 DYNAMO	 USB RECHARGE	 RECHARGE	 E-BIKE		
	BATTERY	DYNAMO	USB RECHARGEABLE	RECHARGEABLE	E-BIKE <sup>7</sup>		
FUNCTIONS	 DAYLIGHT MODE	 FLASH MODE	 SAFE-STOP STANDLIGHT	 +30% BOOST MODE	 +30% ECO MODE	 AUTOMATIC MODE	
	DAYLIGHT <sup>4</sup>	FLASH	SAFE-STOP <sup>3</sup>	BOOST	ECO	AUTO <sup>6</sup>	
FEATURES	 6 LUMENS	 x1 LED	 x1 LED	 4000m	 1000m	 40 h	 60 g
	LIGHT OUTPUT	LED	LED REAR	BEAM DISTANCE	VISIBILITY DISTANCE	BURN TIME	WEIGHT
	 2m RESISTANT	 IPX3	 20 Kg MAX LOAD	 24"			
	SHOCK RESISTANT	WATER RESISTANT	MAX LOAD	KICKSTAND LENGTH			
APPROVALS	 SNV70	 SNV70 Z	 Godkendt	 Homologé	 RNF NEDERLANDSE FIETSPRIJKEUR		
	GERMAN APPR.	GERMAN APPR. + Z APPR.	DANISH APPR.	FRENCH APPR.	DUTCH APPR.		



Keep ahead of light.

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