

2023



www.lightskin.co.kr



40_{pcs}

40 lenses control the light more precisely

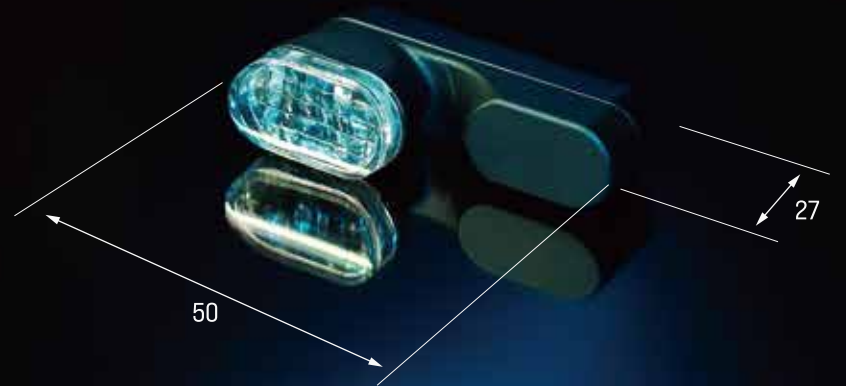
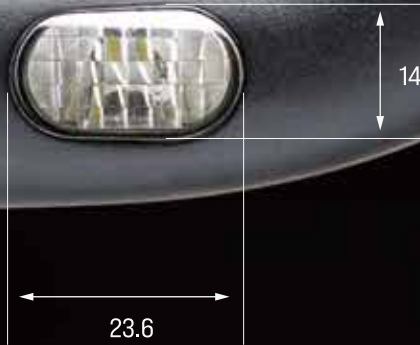
21_{mm}

compliance with the StVZO standard, but only 21mm in width

50_{lx}

Strong performance with maximum illuminance of 50lx

LightSKIN completely redefined the optical technology of existing bicycle lights for an unprecedented user experience. Meet LightSKIN's new lens realized through very precise dimensional control of semiconductor production technology.

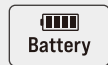




NACA ROAD

PROJECTION LENS TECHNOLOGY

~~~~~ K 2067



## NACAROAD ●

NACA ROAD is a battery integrated head lamp with high performance projection lens according to automotive standards.

~~~~ K 2067

designed by



ETENDUE
LIGHTING



Features

Specifically designed to meet the demanding aerodynamic requirements of high-end racing bikes, NACA Road matches the shape of the NACA airfoil. Air resistance is minimized through the design following the NACA airfoil shape. (Cd, drag of coefficient : 0.267). When it is driven at a speed of 45km/h, the energy consumed by air resistance is only 0.48W. A lens incorporating automotive projection lens technology realizes a perfect cut-off line at a height of only 2 centimeters and meets the 45 km/h regulation (ECE R113 class B).

| | |
|-------------------|-----------------------------|
| Dimensions | 56.7 mm x 41.5mm x 103.6 mm |
| Weight | 163gram without mount |



Light unit

| | |
|---|--|
| Light Module | Etendue Lighting Projection Light module |
| Luminous flux | Max: 520lm/90lx, Min: 185lm/30lx |
| Power Source | Lithium-polymer battery 3.7V, 2700mAh, |
| Light Duration
(fully charged battery) | Max brightness: 1.5h
Min brightness: 7.3h |
| Charging Time | 3h (USB type-C) |



ETC

| | |
|---|--|
| Approval Code | K 2067 |
| Compliant with
standard or directive | CE, RoHS, UN3481, StVZO §22a TA Nr.23
(Headlights for bicycles), IP66 |
| Package Contents | NACA ROAD
C-type USB charge cable (100cm)
Anti-glare cap |
| Mount | Go-pro mount compatible
* Mount not included |

E-bike
Dynamo

StVZO
ZUGELASSEN

ZRE / ZRD ●

ZRE and ZRD are rear light integrated reflector for bike fender.

In the ZRE version, the light is powered via a cable connected to an external power source.

In the ZRD version, the light is powered by a hub dynamo.

~~~~ K 2135

~~~~ K 2136

⚡ Features

The fender of ZRE or ZRD needs special hole and geometry.
Follow the maker's instructions before installation.

| | |
|------------------|----------------------------|
| Dimension | 128.2mm x 22.6 mm x 14.6mm |
| Material | Refelctor=PMMA |
| Weight | 40gram |

💡 Light unit

| | | |
|-----|--------------------------|---------------------------|
| ZRE | Light Modul | 2 high bightness red leds |
| | Brightness | 12cd |
| | Power Source | DC 5~24V |
| | Power consumption | 0.4W |
| ZRD | Light Modul | 2 high bightness red leds |
| | Brightness | 12cd |
| | Power Source | AC6V |
| | Power consumption | 0,3W |

📋 ETC

Approval Code K 2135(Rearlight), K 2136(Reflector)

Compliant with standard or directive CE, RoHS, UN3481,
StVZO §22a TA Nr.14b(Rearlight)
StVZO §22a TA Nr.18(Reflector)
IP66

Contents Rear light integrated reflector for bike fender
* fender not included



H2

Headlight for bicycles integrated in the handlebars

~ K 1721



H2B ● ●

~~~~ K 1721

Headlight for bicycles integrated in the handlebars (with 1 LED).

The "LightSKIN H2B" version features an integrated rechargeable battery.

The battery can be charged via a micro-USB port.



## Features

The handlebar has at least one drilled or milled out hole in which the headlight lens is integrated. Depending on the version, there may be an additional hole for the power supply. In addition, the headlight (LED, lens and circuit board) is built into the handlebar in such a way that it is protected from the elements. The handlebar is sealed so that water cannot enter.

|                                           |                                                 |
|-------------------------------------------|-------------------------------------------------|
| <b>Diameter</b>                           | Center 31.8mm / Grip 22.2mm                     |
| <b>Handlebar Widths</b>                   | 620 / 640 / 660 / 680 / 700 (mm)                |
| <b>Bar Type</b>                           | Flat, Back sweep 9 ° , Up sweep 0 ° , Rise ±5mm |
| <b>Handlebar color and surface finish</b> | Polished silver / Anodized black                |
| <b>Handlebar material</b>                 | Aluminum 6061 T6                                |



## Light unit

|                                               |                                                                |
|-----------------------------------------------|----------------------------------------------------------------|
| <b>Light Module</b>                           | LightSKIN H2 Lens                                              |
| <b>Luminous flux</b>                          | 150 lm                                                         |
| <b>Power Source</b>                           | Lithium-polymer battery 3.7V, 2000mAh, 8018120 with protection |
| <b>Light Duration (fully charged battery)</b> | Extra bright: 4h<br>Bright: 6h                                 |
| <b>Charging Time</b>                          | 5h                                                             |



## ETC

|                                             |                                                                       |
|---------------------------------------------|-----------------------------------------------------------------------|
| <b>Handlebar test standard</b>              | ISO 4210 Mountain                                                     |
| <b>Approval Code</b>                        | K 1721                                                                |
| <b>Compliant with standard or directive</b> | CE, RoHS, UN3481, StVZO §22a TA Nr.23 (Headlights for bicycles), IPX4 |
| <b>Package Contents</b>                     | Front light handlebar<br>USB charge cable (200cm)                     |





## H2D ● ●

Headlight for bicycles integrated in the handlebars (with 1 LED).

In the "LightSKIN H2D" version, the headlight is powered by a dynamo hub.

~~~~~ K 1721



Features

The handlebar has at least one drilled or milled out hole in which the headlight lens is integrated. Depending on the version, there may be an additional hole for the power supply. In addition, the headlight (LED, lens and circuit board) is built into the handlebar in such a way that it is protected from the elements. The handlebar is sealed so that water cannot enter.

| | |
|---|---|
| Diameter | Center 31.8mm / Grip 22.2mm |
| Handlebar Widths | 600 / 620 / 640 / 660 / 680 / 700 (mm) |
| Bar Type | Back sweep 9 °, Up sweep 0 °, Rise ±5mm |
| Handlebar color and surface finish | Polished silver / Anodized black |
| Handlebar material | Aluminum 6061 T6 |



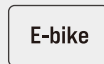
Light unit

| | |
|--------------------------|--------------------------|
| Light Module | LightSKIN H2 Lens |
| Luminous flux | 150 lm |
| Power Source | AC 6V(3W) Bicycle Dynamo |
| Nominal voltage | AC 6V |
| Power consumption | 2.4w |



ETC

| | |
|---|---|
| Handlebar test standard | ISO 4210-Mountain, city |
| Approval Code | K 1721 |
| Compliant with standard or directive | CE, RoHS, StVZO §22a TA Nr.23 (Headlights for bicycles), IPX4 |
| Package Contents | Front light handlebar |



H2E ● ●

Headlight for bicycles integrated in the handlebars (with 1 LED).

In the "LightSKIN H2E" version, the light is connected to an external power source via a connection cable, for example to the battery of an e-bike.

~~~~~ K 1721



## Features

The handlebar has at least one drilled or milled out hole in which the headlight lens is integrated. Depending on the version, there may be an additional hole for the power supply. In addition, the headlight (LED, lens and circuit board) is built into the handlebar in such a way that it is protected from the elements. The handlebar is sealed so that water cannot enter.

|                                           |                                           |
|-------------------------------------------|-------------------------------------------|
| <b>Diameter</b>                           | Center 31.8mm / Grip 22.2mm               |
| <b>Handlebar Widths</b>                   | 600 / 620 / 640 / 660 / 680 / 700 (mm)    |
| <b>Bar Type</b>                           | Back sweep 9 ° , Up sweep 0 ° , Rise ±5mm |
| <b>Handlebar color and surface finish</b> | Polished silver / Anodized black          |
| <b>Handlebar material</b>                 | Aluminum 6061 T6                          |



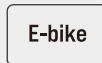
## Light unit

|                          |                                |
|--------------------------|--------------------------------|
| <b>Light Module</b>      | LightSKIN H2 Lens              |
| <b>Luminous flux</b>     | 150 lm                         |
| <b>Power Source</b>      | On-board battery of the e-bike |
| <b>Nominal voltage</b>   | DC 6V (5V-24V)                 |
| <b>Power consumption</b> | 1.3w                           |



## ETC

|                                             |                                                               |
|---------------------------------------------|---------------------------------------------------------------|
| <b>Handlebar test standard</b>              | ISO 4210 Mountain, EN 15194                                   |
| <b>Approval Code</b>                        | K 1721                                                        |
| <b>Compliant with standard or directive</b> | CE, RoHS, StVZO §22a TA Nr.23 (Headlights for bicycles), IPX4 |
| <b>Package Contents</b>                     | Front light handlebar                                         |



## H2E WIEN ● ●

~~~~ K 1721

Headlight for bicycles integrated in the handlebars (with 1 LED).

In the "LightSKIN H2E" version, the light is connected to an external power source via a connection cable, for example to the battery of an e-bike.

⚡ Features

The handlebar has at least one drilled or milled out hole in which the headlight lens is integrated. Depending on the version, there may be an additional hole for the power supply. In addition, the headlight (LED, lens and circuit board) is built into the handlebar in such a way that it is protected from the elements. The handlebar is sealed so that water cannot enter.

| | |
|---|--|
| Diameter | Center 31.8mm / Grip 22.2mm |
| Handlebar Widths | 640 / 680 (mm) |
| Bar Type | Back sweep 15 °, Up sweep 0 °, Rise 20mm |
| Handlebar color and surface finish | Polished silver / Anodized black |
| Handlebar material | Aluminum 6061 T6 |

💡 Light unit

| | |
|--------------------------|--------------------------------|
| Light Module | LightSKIN H2 Lens |
| Luminous flux | 150 lm |
| Power Source | On-board battery of the e-bike |
| Nominal voltage | DC 6V (5V-24V) |
| Power consumption | 1.3w |

📋 ETC

| | |
|------------------------------|---------------------------------|
| Handlebar | EN 15194 |
| test standard | K 1721 |
| Approval Code | CE, RoHS, StVZO §22a TA Nr.23 |
| Compliant with | (Headlights for bicycles), IPX4 |
| standard or directive | |
| Package Contents | Front light handlebar |



H2D WIEN ● ●

Headlight for bicycles integrated in the handlebars (with 1 LED).

In the "LightSKIN H2D" version, the headlight is powered by a dynamo hub.

~~~~~ K 1721



### Features

The handlebar has at least one drilled or milled out hole in which the headlight lens is integrated. Depending on the version, there may be an additional hole for the power supply. In addition, the headlight (LED, lens and circuit board) is built into the handlebar in such a way that it is protected from the elements. The handlebar is sealed so that water cannot enter.

|                                           |                                            |
|-------------------------------------------|--------------------------------------------|
| <b>Diameter</b>                           | Center 31.8mm / Grip 22.2mm                |
| <b>Handlebar Widths</b>                   | 640 / 680 (mm)                             |
| <b>Bar Type</b>                           | Back sweep 15 ° , Up sweep 0 ° , Rise 20mm |
| <b>Handlebar color and surface finish</b> | Polished silver / Anodized black           |
| <b>Handlebar material</b>                 | Aluminum 6061 T6                           |



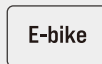
### Light unit

|                          |                          |
|--------------------------|--------------------------|
| <b>Light Module</b>      | LightSKIN H2 Lens        |
| <b>Luminous flux</b>     | 150 lm                   |
| <b>Power Source</b>      | AC 6V(3W) Bicycle Dynamo |
| <b>Nominal voltage</b>   | AC 6V                    |
| <b>Power consumption</b> | 2.4w                     |



### ETC

|                                             |                                                               |
|---------------------------------------------|---------------------------------------------------------------|
| <b>Handlebar test standard</b>              | ISO 4210-Mountain, city                                       |
| <b>Approval Code</b>                        | K 1721                                                        |
| <b>Compliant with standard or directive</b> | CE, RoHS, StVZO §22a TA Nr.23 (Headlights for bicycles), IPX4 |
| <b>Package Contents</b>                     | Front light handlebar                                         |



## H2E CITY ● ●

~ K 1721

Headlight for bicycles integrated in the handlebars (with 1 LED).

In the "LightSKIN H2E" version, the light is connected to an external power source via a connection cable, for example to the battery of an e-bike.



## Features

The handlebar has at least one drilled or milled out hole in which the headlight lens is integrated. Depending on the version, there may be an additional hole for the power supply. In addition, the headlight (LED, lens and circuit board) is built into the handlebar in such a way that it is protected from the elements. The handlebar is sealed so that water cannot enter.

|                                           |                                            |
|-------------------------------------------|--------------------------------------------|
| <b>Diameter</b>                           | Center 31.8mm / Grip 22.2mm                |
| <b>Handlebar Widths</b>                   | 640 (mm)                                   |
| <b>Bar Type</b>                           | Back sweep 38 ° , Up sweep 0 ° , Rise 40mm |
| <b>Handlebar color and surface finish</b> | Polished silver / Anodized black           |
| <b>Handlebar material</b>                 | Aluminum 6061 T6                           |



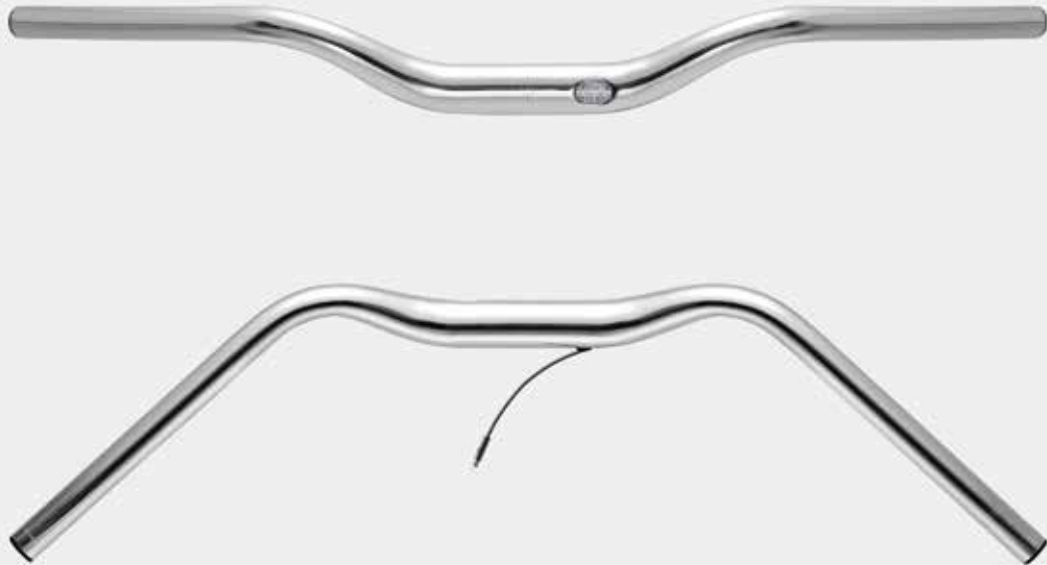
## Light unit

|                          |                                |
|--------------------------|--------------------------------|
| <b>Light Module</b>      | LightSKIN H2 Lens              |
| <b>Luminous flux</b>     | 150 lm                         |
| <b>Power Source</b>      | On-board battery of the e-bike |
| <b>Nominal voltage</b>   | DC 6V (5V-24V)                 |
| <b>Power consumption</b> | 1.3w                           |



## ETC

|                                             |                                                               |
|---------------------------------------------|---------------------------------------------------------------|
| <b>Handlebar test standard</b>              | EN 15194                                                      |
| <b>Approval Code</b>                        | K 1721                                                        |
| <b>Compliant with standard or directive</b> | CE, RoHS, StVZO §22a TA Nr.23 (Headlights for bicycles), IPX4 |
| <b>Package Contents</b>                     | Front light handlebar                                         |



## H2D CITY ● ●

Headlight for bicycles integrated in the handlebars (with 1 LED).

In the "LightSKIN H2D" version, the headlight is powered by a dynamo hub.

~~~~~ K 1721



Features

The handlebar has at least one drilled or milled out hole in which the headlight lens is integrated. Depending on the version, there may be an additional hole for the power supply. In addition, the headlight (LED, lens and circuit board) is built into the handlebar in such a way that it is protected from the elements. The handlebar is sealed so that water cannot enter.

| | |
|---|--|
| Diameter | Center 31.8mm / Grip 22.2mm |
| Handlebar Widths | 640 (mm) |
| Bar Type | Back sweep 38 ° , Up sweep 0 ° , Rise 40mm |
| Handlebar color and surface finish | Polished silver / Anodized black |
| Handlebar material | Aluminum 6061 T6 |



Light unit

| | |
|--------------------------|--------------------------|
| Light Module | LightSKIN H2 Lens |
| Luminous flux | 150 lm |
| Power Source | AC 6V(3W) Bicycle Dynamo |
| Nominal voltage | AC 6V |
| Power consumption | 2.4w |



ETC

| | |
|---|---|
| Handlebar test standard | ISO 4210-Mountain, city |
| Approval Code | K 1721 |
| Compliant with standard or directive | CE, RoHS, UN3481, StVZO §22a TA Nr.23 (Headlights for bicycles), IPX4 |
| Package Contents | Front light handlebar |



H2E MOON ● ●

Headlight for bicycles integrated in the handlebars (with 1 LED).

In the "LightSKIN H2E" version, the light is connected to an external power source via a connection cable, for example to the battery of an e-bike.

~~~~~ K 1721



### Features

The handlebar has at least one drilled or milled out hole in which the headlight lens is integrated. Depending on the version, there may be an additional hole for the power supply. In addition, the headlight (LED, lens and circuit board) is built into the handlebar in such a way that it is protected from the elements. The handlebar is sealed so that water cannot enter.

|                                           |                                           |
|-------------------------------------------|-------------------------------------------|
| <b>Diameter</b>                           | Center 31.8mm / Grip 22.2mm               |
| <b>Handlebar Widths</b>                   | 580 / 600 / 620 / 640 / 660 (mm)          |
| <b>Bar Type</b>                           | Back sweep 18 ° , Up sweep 0 ° , Rise 0mm |
| <b>Handlebar color and surface finish</b> | Polished silver / Anodized black          |
| <b>Handlebar material</b>                 | Aluminum 6061 T6                          |



### Light unit

|                          |                                |
|--------------------------|--------------------------------|
| <b>Light Module</b>      | LightSKIN H2 Lens              |
| <b>Luminous flux</b>     | 150 lm                         |
| <b>Power Source</b>      | On-board battery of the e-bike |
| <b>Nominal voltage</b>   | DC 6V (5V-24V)                 |
| <b>Power consumption</b> | 1.3w                           |



### ETC

|                                             |                                                               |
|---------------------------------------------|---------------------------------------------------------------|
| <b>Handlebar test standard</b>              | EN 15194                                                      |
| <b>Approval Code</b>                        | K 1721                                                        |
| <b>Compliant with standard or directive</b> | CE, RoHS, StVZO §22a TA Nr.23 (Headlights for bicycles), IPX4 |
| <b>Package Contents</b>                     | Front light handlebar                                         |



## H2D MOON ● ●

Headlight for bicycles integrated in the handlebars (with 1 LED).

In the "LightSKIN H2D" version, the headlight is powered by a dynamo hub.

~~~~~ K 1721



Features

The handlebar has at least one drilled or milled out hole in which the headlight lens is integrated. Depending on the version, there may be an additional hole for the power supply. In addition, the headlight (LED, lens and circuit board) is built into the handlebar in such a way that it is protected from the elements. The handlebar is sealed so that water cannot enter.

| | |
|---|---|
| Diameter | Center 31.8mm / Grip 22.2mm |
| Handlebar Widths | 580 / 600 / 620 / 640 / 660 (mm) |
| Bar Type | Back sweep 18 ° , Up sweep 0 ° , Rise 0mm |
| Handlebar color and surface finish | Polished silver / Anodized black |
| Handlebar material | Aluminum 6061 T6 |



Light unit

| | |
|--------------------------|--------------------------|
| Light Module | LightSKIN H2 Lens |
| Luminous flux | 150 lm |
| Power Source | AC 6V(3W) Bicycle Dynamo |
| Nominal voltage | AC 6V |
| Power consumption | 2.4w |



ETC

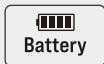
| | |
|---|---|
| Handlebar test standard | ISO 4210-Mountain, city |
| Approval Code | K 1721 |
| Compliant with standard or directive | CE, RoHS, StVZO §22a TA Nr.23 (Headlights for bicycles), IPX4 |
| Package Contents | Front light handlebar |



S311

Rearlight for bicycles integrated in the seatposts

~ K 1595



S311 ● ●

~~~~ K 1595

The light of S311 is powered by a built in, non-removable, rechargeable battery.

## ⚡ Features

Patented seatpost with an integrated seat rail clamp. The seatpost tube features 5 holes in which the LEDs are enclosed. The USB 2.0 charging port is located in the lower section of the seat rail clamp. The port is accessible from the outside and can be closed using a transparent silicone cover.

|                             |                                           |
|-----------------------------|-------------------------------------------|
| <b>Diameter</b>             | 25.4 / 27.2 / 30.9 / 31.6 (mm)            |
| <b>Length</b>               | 350mm / 400mm (30.9, 31.6mm)              |
| <b>color surface finish</b> | Polished Silver / Matt Black              |
| <b>Seatpost Type</b>        | 2 bolt clamp, offset 9mm, mechanical stop |
| <b>Seapost material</b>     | Aluminum 6061 T6                          |

## 💡 Light unit

|                                                   |                                                                 |
|---------------------------------------------------|-----------------------------------------------------------------|
| <b>Light Module</b>                               | 2 wide angle red LEDs,<br>3 high brightness red LEDs            |
| <b>Brightness</b>                                 | 12cd                                                            |
| <b>Power Source</b>                               | Lithium-polymer battery 3.7V, 800mAh,<br>801473 with protection |
| <b>Light Duration<br/>(fully charged battery)</b> | 5 LED: 10 hours<br>3 LED: 15 hours                              |
| <b>Charging Time</b>                              | 2.5h                                                            |

## 📋 ETC

|                                                 |                                                                            |
|-------------------------------------------------|----------------------------------------------------------------------------|
| <b>K-number</b>                                 | K 1595                                                                     |
| <b>Seatpost<br/>test standard</b>               | ISO 4210 City, Mountain                                                    |
| <b>Compliant with<br/>standard or directive</b> | CE, RoHS, UN3481, StVZO §22a TA Nr.14b<br>(Rear lights fot bicycles), IPX5 |
| <b>Package Contents</b>                         | rear light seatpost<br>USB charge cable (200cm)                            |

E-bike

StVZO  
ZUGELASSEN

reddot  
winner 2020



S311E ● ●

~~~~ K 1595

In the S311E version, the light is powered via a cable connected to an external power source.
For example, to the battery of a bicycle with electrical pedal assistance.



Features

Patented seatpost with an integrated seat rail clamp. The seatpost tube features 5 holes in which the LEDs are enclosed. A cable with a connector extends out of the lower end of the seatpost tube for connection to the electrical system of the e-bike.

| | |
|----------------------|---|
| Diameter | 27,2 / 30,9 / 31,6 [mm] |
| Length | D27,2mm(350mm) / D31,6mm(350, 400mm) |
| color surface finish | Polished Silver / Matt Black |
| Seatpost Type | 2 bolt clamp, offset 9mm, mechanical stop |
| Seapost material | Aluminum 6061 T6 |



Light unit

| | |
|-------------------|--|
| Light Module | 2 wide angle red LEDs,
3 high brightness red LEDs |
| Brightness | 12cd |
| Power Source | The on-board battery of the e-bike |
| Nominal voltage | DC 6V (6V-12V) |
| Power consumption | 0.3w |



ETC

| | |
|--------------------------------------|---|
| K-number | K 1595 |
| Seatpost test standard | EN 15194 |
| Compliant with standard or directive | CE, RoHS, StVZO §22a TA Nr.14b (Rear lights fot bicycles), IPX5 |
| Package Contents | rear light seatpost |

Dynamo

StVZO
ZUGELASSEN

reddot
winner 2020



S311D ● ●

~ K 1595

In the S311D version, the light is powered by a hub dynamo.



Features

Patented seatpost with an integrated seat rail clamp. The seatpost tube features 5 holes in which the LEDs are enclosed. A cable with two open ends extends out of the lower end of the seatpost tube for connection to the bicycle dynamo.

| | |
|-----------------------------|---|
| Diameter | 27.2 / 30.9 / 31.6 [mm] |
| Length | D27.2mm(350mm) / D31.6mm(350, 400mm) |
| color surface finish | Polished Silver / Matt Black |
| Seatpost Type | 2 bolt clamp, offset 9mm, mechanical stop |
| Seatpost material | Aluminum 6061 T6 |



Light unit

| | |
|--------------------------|---|
| Light Module | 2 wide angle red LEDs,
3 high brightness red LEDs |
| Brightness | 12cd |
| Power Source | AC 6V(3W) Bicycle Dynamo |
| Nominal voltage | AC 6V |
| Power consumption | 0.5w |
| Surge Protection | A zener diode prevents damage to the electronics or the LEDs from voltage surges. |



ETC

| | |
|---|---|
| K-number | K 1595 |
| Seatpost test standard | ISO City |
| Compliant with standard or directive | CE, RoHS, StVZO §22a TA Nr.14b (Rear lights for bicycles), IPX5 |
| Package Contents | rear light seatpost |



reddot design award
winner 2010



S341 ● ●

The light of S341 is powered by a built in, non-removable, rechargeable battery.



Features

Patented seatpost with an integrated seat rail clamp. The seatpost tube features 5 holes in which the LEDs are enclosed. The USB 2.0 charging port is located in the lower section of the seat rail clamp. The port is accessible from the outside and can be closed using a transparent silicone cover.

| | |
|-----------------------------|--|
| Diameter | 27.2 / 30.9 / 31.6 [mm] |
| Length | 350mm[D27.2mm] / 400mm[D30.9, D31.6mm] |
| color surface finish | Polished Silver / Matt Black |
| Seatpost Type | 2 bolt clamp, offset 9mm |
| Seatpost material | Aluminum 6061 T6 |



Light unit

| | |
|---|---|
| Lens Type | Non Protruding |
| Light Module | 5 high brightness red LEDs,
Non protruding LED Lens |
| Brightness | 15cd |
| Power Source | Lithium-polymer battery 3.7V, 800mAh,
801473 with protection |
| Light Duration
(fully charged battery) | 5 LED/continuous: 10 hours
3 LED/sparking: 100 hours |
| Charging Time | 2.5h |



ETC

| | |
|---|---|
| Seatpost
test standard | ISO 4210 City(27.2),
Mountain(30.9, 31.6) |
| Compliant with
standard or directive | CE, RoHS, UN3481, IPX5 |
| Package Contents | rear light seatpost
USB charge cable (200cm) |

E-bike



reddot design award
winner 2010



S341E ● ●

In the S341E version, the light is powered via a cable connected to an external power source.
For example, to the battery of a bicycle with electrical pedal assistance.



Features

Patented seatpost with an integrated seat rail clamp. The seatpost tube features 5 holes in which the LEDs are enclosed. A cable with a connector extends out of the lower end of the seatpost tube for connection to the electrical system of the e-bike.

| | |
|-----------------------------|--|
| Diameter | 27.2 / 30.9 / 31.6 [mm] |
| Length | 350mm[D27.2mm] / 400mm[D30.9, D31.6mm] |
| color surface finish | Polished Silver / Matt Black |
| Seatpost Type | 2 bolt clamp, offset 9mm |
| Seatpost material | Aluminum 6061 T6 |



Light unit

| | |
|--------------------------|--|
| Lens Type | Non Protruding |
| Light Module | 5 high brightness red LEDs,
Non protruding LED Lens |
| Brightness | 15cd |
| Power Source | The on-board battery of the e-bike. |
| Nominal voltage | DC 6V (5V -12V) |
| Power consumption | 0.3w |



ETC

| | |
|---|---------------------|
| Seatpost test standard | EN 15194 |
| Compliant with standard or directive | CE, RoHS, IPX5 |
| Package Contents | Rear light seatpost |



U2

The smallest bike front light approved StVZO

~~~~ K 1817

E-bike

StVZO  
ZUGELASSEN



## U2E



~ K 1817

The smallest bike front light approved StVZO. In the "LightSKIN U2E" version, the light is powered via a cable connected to an external power source.

## ⚡ Features

The housing is made of aluminum and has a plastic cover with a sealed cable outlet. Holders for the headlight can be attached both to the top or the bottom. The light angle is adjustable via the holder.

|                         |                              |
|-------------------------|------------------------------|
| <b>Dimensions</b>       | 34,7mm × 19mm × 28mm         |
| <b>Weight</b>           | 25gram                       |
| <b>Color and finish</b> | Polished silver / Matt black |
| <b>Housing material</b> | Aluminum 6061 T6             |
| <b>Bracket</b>          | Dual position bracket        |

## 💡 Light unit

|                          |                                 |
|--------------------------|---------------------------------|
| <b>Power source</b>      | On-board battery of the e-bike. |
| <b>Brightness</b>        | 150 lm                          |
| <b>Voltage</b>           | DC 6V (5V - 12V)                |
| <b>Power consumption</b> | 1,3 W                           |

## 📋 Standard and approval

|                              |                                                                  |
|------------------------------|------------------------------------------------------------------|
| <b>Approval Code</b>         | K 1817                                                           |
| <b>Standard or directive</b> | CE, RoHS<br>StVZO §22a TA Nr.23(Headlights for bicycles)<br>IPX5 |





# U2D



~ K 1817

The smallest bike front light approved StVZO. In the "LightSKIN U2D" version, the headlight is powered by a dynamo hub



## Features

The housing is made of aluminum and has a plastic cover with a sealed cable outlet. Holders for the headlight can be attached both to the top or the bottom. The light angle is adjustable via the holder.

|                  |                              |
|------------------|------------------------------|
| Dimensions       | 39mm ×19mm ×28mm             |
| Weight           | 25gram                       |
| Color and finish | Polished silver / Matt black |
| Housing material | Aluminum 6061 T6             |
| Bracket          | Dual position bracket        |



## Light unit

|                   |                          |
|-------------------|--------------------------|
| Power source      | AC 6V(3W) Bicycle Dynamo |
| Brightness        | 150 lm                   |
| Norminal voltage  | AC 6V                    |
| Power consumption | 2,3 W                    |



## Standard and approval

|                       |                                                                  |
|-----------------------|------------------------------------------------------------------|
| Approval Code         | K 1817                                                           |
| Standard or directive | CE, RoHS<br>StVZO §22a TA Nr.23(Headlights for bicycles)<br>IPX5 |

Dual Position Seat Post Technology

Seatpost location can be selected  
back and forth

## Application

- Kids bikes
- Foldable bikes
- Shared bikes

Patent pending

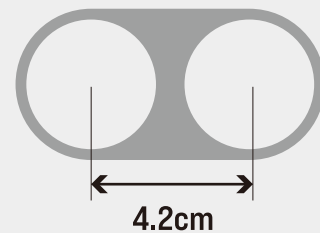
LIGHTSKIN DUAL POSITION

**TOM&**



SEATPOST TECHNOLOGY

# THOMAS





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