



Shutter Precision
ES-4 Manual

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-TECHNOLOGY GIVES YOU A SAFER AND MORE COMFORTABLE RIDE-

With the help of pedelecs, cyclists can ride faster and further. Higher speed reduces reaction times when facing rapidly changing road conditions and unexpected road events. The average speed of pedelecs is much faster than ordinary bicycles meaning increased lighting is required to maintain safety. Sufficient lighting allows cyclists to see further and more clearly. To maintain safety, pedelec head-lights play a more important role in comparison to ordinary bicycles.

Among the leaders in high-end bicycle products, SP strives to use advanced technology to provide quality products that are safer, more comfortable and more convenient for cyclists.

PRODUCT CONTENT



The ES-4 box has a length, width and height of 9x9x8.5cm.

When you receive your ES-4, you will also receive the following accessories.



- ① 1 x front headlight
- ② 1 x bracket for handlebar
- ③ 2 x screws for the Handlebar Bracket
- ④ 1 x Bracket for Fork
- ⑤ 1 x Nut and Bolt Set for Fork Bracket

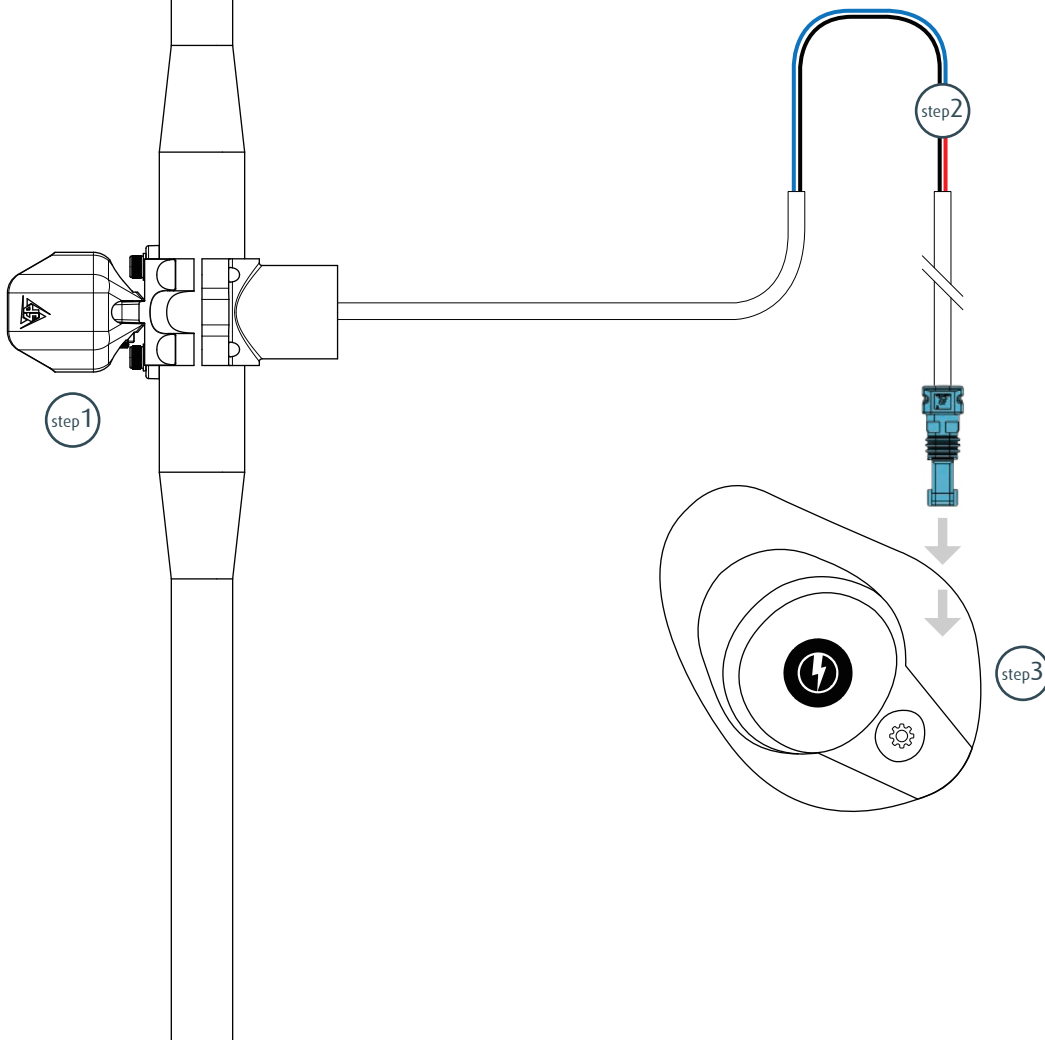
TECHNICAL DATA

SPECIFICATION DETAILS:

LOW BEAM	510lm*
WATTAGE OF LOW BEAM	4 W
MODE	1
INPUT VOLTAGE	5-12 V DC
L x W x H	50 x 45 x 42 mm
WEIGHT	100±5% g
COLOR	Black
HOUSING MATERIAL	Aluminum

INSTALLATION

Please follow the step 1 to 4 to install your ES-4.
Please read the pages 6 to10 for installation details.



INSTALLATION

Step 1 : Install ES-4 light body on handlebar



①



②



③



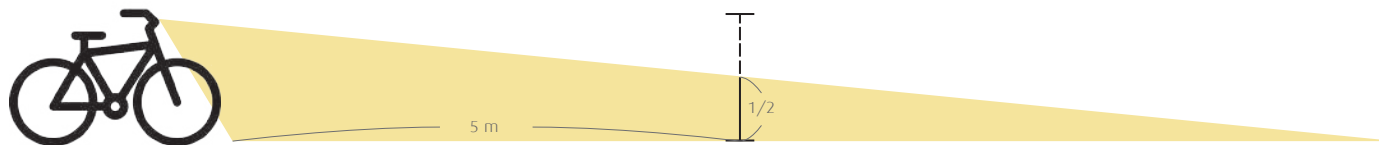
④

Pictures of the included components appear on the left. Your stem should appear as in picture 1.

1. Remove the bolts from the stem.
2. Install on the headlight bracket. (Picture 2)
3. Fasten all stem bolts to 6 Nm. (Picture 3)
4. Install the headlight and fasten the nuts and bolts. (Picture 4)

Please install the ES-4 and adjust the beam to project toward a wall on a level surface at a distance of 5 meters.

Then adjust/aim the cut-off line at a level that is half way between height at which the headlamp is mounted and ground level.



INSTALLATION

Step 1 (option): Install ES-4 light body on fork crown



1

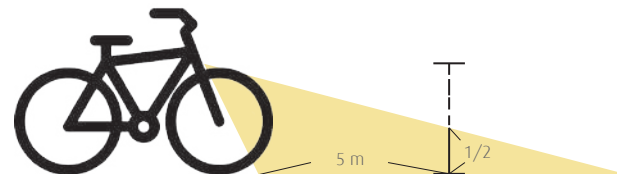


2

Before you install the ES-4, assess whether your fork appears like the one in Picture 1. Since not the same on all bikes accept the same fork crown bolt, the components you receive in the box does not include an extra one. However, such bolts should be readily available from any quality hardware store.

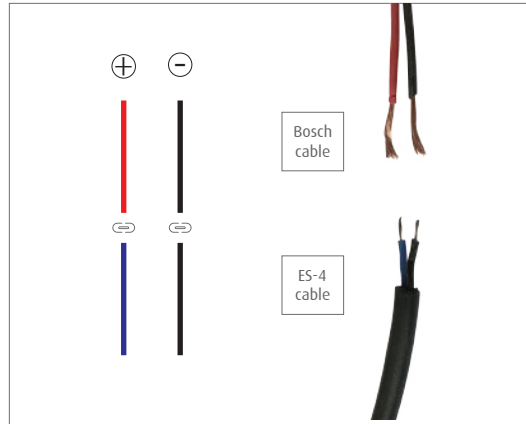
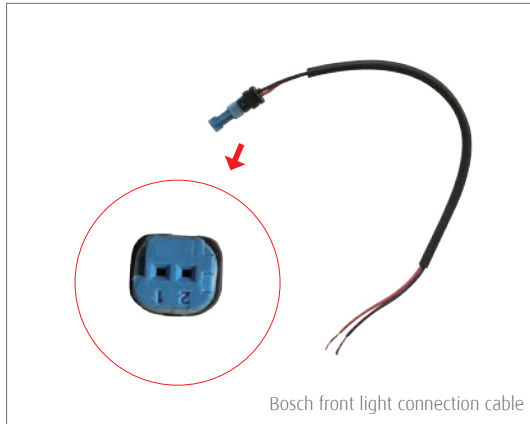
1. Mount the bracket on your fork crown.
2. Install the headlight. (Picture 2)
3. Fasten all bolts to 6 Nm.

Please aim the headlamp as per the instructions above for best results.



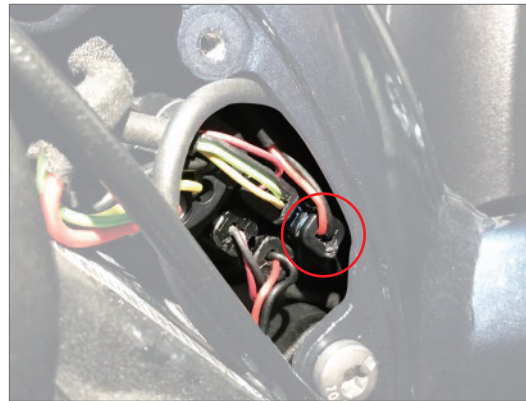
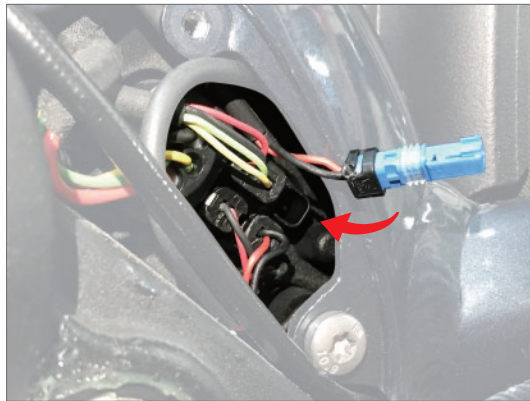
INSTALLATION

Step 2: Link Bosch front light connection cable with ES-4 power cable
Step 3: Insert Bosch blue connector into front light port



Step 2: Link Bosch front light connection cable with ES-4 power cable

Check the cable color carefully. Link the black cable from Bosch connection cable and black cable from ES-4. They are both negative electrode. Link the red cable from Bosch connection cable and blue cable from ES-4. They are both positive electrode.



Step 3: Insert Bosch blue connector into front light port



INSTALLATION



Please install the headlight in accordance with the instructions and photos provided.

A correct ES-4 installation appears in the provided pictures.

SP offers different kinds of products to join you on the road. The ES-4 is small, but powerful headlight to be with you on your entire journey!

Enjoy your rides with Shutter Precision!

CARE INSTRUCTIONS

1. Never use a high-pressure hose or alcohol-containing fluids to clean the headlight or its accessories.
2. Clean the front optic with water and a soft clean cloth when necessary.
3. Do not use aggressive cleaning agents and do not use alcohol based cleaning agents!
4. Check the mounting bolts from time to time.

WARRANTY & SERVICE

2-year warranty: SP products are covered under warranty for 2-years from the date of purchase.





Shutter Precision

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