

Dynamo lighting systems become increasingly rare on pedelecs. The drive system battery powers headlight and rear light with direct current (DC) instead. Usually dynamo-powered headlights are not made for battery use. Rear lights are normally suitable to be powered with direct current, though.

Schmidt Maschinenbau launch an Edelux II version for battery use on pedelecs, the Edelux II DC, in autumn 2014. Since pedelec voltages are not standardized we need different models for different drive systems:

Edelux II DC 6 Volt:

for voltages of approx. 6 to 8 volts DC, current consumption approx. 600 mA, brightness approx. 80 Lux

Suitable for drives that regulate headlight voltage to 6 volts (p.ex. Bosch Active, Bosch Performance and Shimano Steps systems)

Not suitable on systems with strongly limited current (p.ex. Bosch Classic).

Switched on the drive system's display. This is why Edelux II DC 6 Volt is neither equipped with a switch nor with a rear light output.

Two models with different connections are available:

- Edelux II DC 6 Volt with 140 cm coaxial cable
- Edelux II DC 6 Volt w/o connecting cable; use a cable supplied by the drive system's manufacturer. Connect this cable with two spade connectors female 2.8 x 0.5 mm or one spade connector female plus ring terminal.

Edelux II DC 6 to 75 Volt:

For voltages 6.0 to 75 volts DC

Power consumption approx. 2.5 watts at input power up to 6.4 volts (60 to 70 Lux brightness is achieved this way); approx. 3 watts (90 Lux) at higher voltages.

Suitable for 6-volts-supply with strongly limited current (p.ex. Bosch Classic) as well as drive systems that supply the headlight with battery voltage.

Edelux II DC 6 to 75 Volt is equipped with a 140 cm coaxial connecting cable, an On/Off switch, and a rear light output regulated to 6 volts DC.

In case no switch is needed, the switching ring may be replaced by a covering ring.

CAUTION:

Edelux II DC assembly may be done by qualified personnel only. The drive system manufacturer's instructions must be observed and adhered. Errors may result in damage to the drive system.

Only qualified electricians may work on electrical systems with an operating voltage in excess of 60 volts direct current.