

Blinder E-bike lights offer compatibility with a wide range of manufacturers and models. If your system is not listed here, we recommend referring to your bike manufacturer's specifications for your bike's model. Please ensure that the power (W) rating of your e-bike motor lighting output matches or exceeds the power (W) consumption of the E-bike light head to achieve maximum lighting output of the light head**. This ensures optimal performance and functionality, providing you with a safe and reliable lighting solution for your rides.

*Ensure you are referencing the motor's auxiliary lighting output, and not the total Watt output of the motor itself.

**If your e-bike system cannot deliver the required Watts to operate the light at its maximum output, It is possible, through the Power Scaling feature, to reduce the light's power (W) demands to match your e-bikes output. Please refer to the quickstart guide for instructions.

- Compatible** Motor supports full lighting output
- Compatible** Motor supports light with slight reduction in power output. Selectable through Power Scaling mode on light head.
- Compatible** Motor supports light with less than 60% of lighting output. Selectable through Power Scaling mode on light head. We recommend choosing a light with lower output from the range.
- Not Compatible** Not compatible with motor

| | | | | Blinder E 900 6V (5-14V) DC 8W | Blinder E 1300 12V (5-14V) DC 11W | Blinder E 1800 12V (5-14V) DC 14W | Blinder E 2300 12V (5-14V) 20W | Blinder E 80 (StVZO) 6V (5-14V) DC 6W | Blinder E 120 (StVZO) 6V (5-14V) DC 10W |
|--------------------|---------------------------|-----|-------|-----------------------------------|--------------------------------------|--------------------------------------|-----------------------------------|------------------------------------------|--------------------------------------------|
| Bosch | Performance CX | 12V | 17.4W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| | Active Line (ab 2017) | 12V | 17.4W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| | Active Line Plus | 12V | 17.4W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| | Cargo Line | 12V | 17.4W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| | Performance Line | 12V | 17.4W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| | Performance CX (Gen3) | 12V | 17.4W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| | Performance CX (Gen4) | 12V | 17.4W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| Brose | Gen1 | 6V | 7W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| | Drive-T/Drive TF/Drive CB | 6V | 7W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| | Drive S Alu | 6V | 14W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| | Drive T Mag | 12V | 24W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| | Drive C Mag | 12V | 24W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| | Drive S Mag | 12V | 24W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| | Drive S / T / TF / CB | 6V | 14W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| Specialized | 2.0 / 2.0E | 12V | 24W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| | 2.1 / 2.2 | 12V | 24W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| Shimano | Steps E5000 | 12V | 24W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| | Steps E6100 | 12V | 24W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| | Steps E7000 | 12V | 24W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| | Steps E8000 | 6V | 12W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| | EP8 / EP801 | 12V | 24W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| | EP6 | 12V | 24W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| Yamaha | PW-X3 | 12V | 24W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| | PW-XM | 12V | 24W | Compatible | Compatible | Compatible | Compatible | Compatible | Compatible |
| | PWSeriesS2 | TBC | TBC | Not Compatible | Not Compatible | Not Compatible | Not Compatible | Not Compatible | Not Compatible |
| | PWSeriesC2 | TBC | TBC | Not Compatible | Not Compatible | Not Compatible | Not Compatible | Not Compatible | Not Compatible |
| | PWSeriesST | TBC | TBC | Not Compatible | Not Compatible | Not Compatible | Not Compatible | Not Compatible | Not Compatible |

PLEASE NOTE:

RELEASE: 15/04/2024

E-bike lights are powered via the bike's motor and need to be installed manually. Depending on your bike's battery and model, this might involve some disassembly and extra wiring. Please contact your bike or motor maker for installation instructions. We strongly recommend having a professional e-bike technician install your lights.

To install your Blinder light, first identify your e-bike motor's make and model. Some e-bikes need a specific connector to connect to the motor's lighting port.

The diagram below shows the required connectors for Bosch, Bosch Smart System, Brose, Specialized, and Yamaha motors. For Shimano motors, no extra connector is required—simply connect the Knog e-bike cable directly to the lighting output screw terminals on the Shimano motor.

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ALWAYS DISCONNECT BATTERY BEFORE INSTALLATION

