



## Miniature LED Driving Lights

### LSK 2002

*Thank you for purchasing our product. We recommend reading of this user manual. It contains important information about mounting, setting up and usage of the lights.*

Driving lights designed for good functionality while keeping very small form. Thanks to excellent CREE LED chips and effective optical system, the lights offers a very good level of illumination during night rides.

Lights are available in two power stages and with variety of optical systems for use as low beam, high beam and fog lights.

*Lights are made on one-off basis and mostly by hand, so every piece is original. They're very small and light. Even despite minimal dimensions, the lights have superb luminosity. Every light boasts itself with a light beam intensity of 900 lm (MID-POWER line) thanks to top LED's from US CREE Company. This light output of one light from MID-POWER line is fully comparable with 55W halogen bulb used regularly in dimmed headlights of cars and motorcycles. Regarding the fact that once you might need to dismantle the part with the lights on them, the wires leading up to the lights are equipped with quality waterproof connectors.*

<i>Technical specification:</i>	<i>MID-POWER</i>	<i>HIGH-POWER</i>
Voltage:	10-14.5V DC	10-14.5V DC
Max. power consumption (whole package):	16W	32W
Supplied current (overall):	1.3A	2.6A
Fuse:	250V/3A	250V/3A
Light beam intensity:	2 x 900lm	2 x 1800lm
Color temperature:	6300K (daylight white)	6300k
Light dimensions:	Ø22 x 50 mm	Ø22 x 50 mm

***DUE TO ITS HIGH POWER AND HEAT DISSIPATION, THE HIGH-POWER LINE CAN BE USED ONLY WHEN THE BIKE MOVES (NEEDS ACTIVE AIR COOLING)!***

*The package contains:*  
2x LED light LSK2002  
2x crash bars holder kit  
1x stainless steel screws kit  
1x power supply cables kit (with fuse)  
1x user manual

### *Mounting*

- Mount your lights on crash bars.
- *Low beam variant:* Adjust the lights to the position when it doesn't bother upcoming drivers. If so, you need to adjust them a bit downwards. If they illuminate the road more up and down instead on the sides, you need to rotate them by 90°.

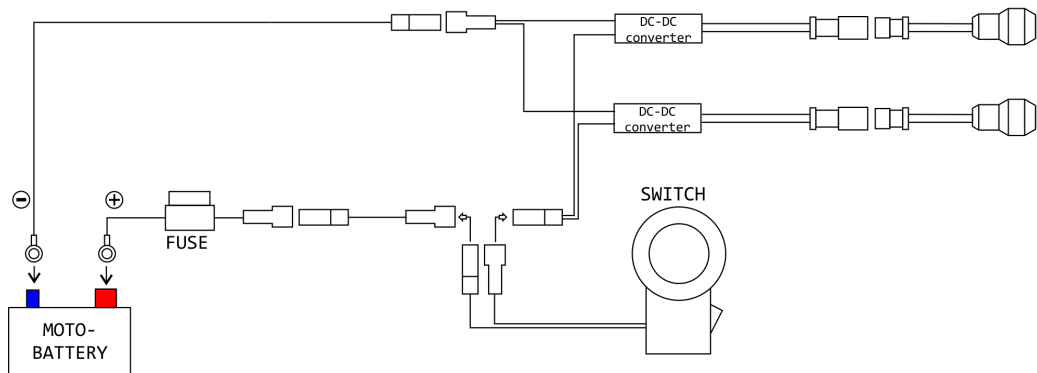
### *Connecting to electrical system of the motorbike:*

- Do not place neither the power supply unit nor the lights do places with excessive temperature (near engine, exhaust etc.).
- Power input of the lights can be connected to low beam, high beam or parking lights circuit. It's good to connect them to the parking lights circuit because they're still on - no matter if you switch the factory lights to high beam or low beam.
- It is also possible to connect them separately using included switch. Always double check if they're connected in correct polarity.

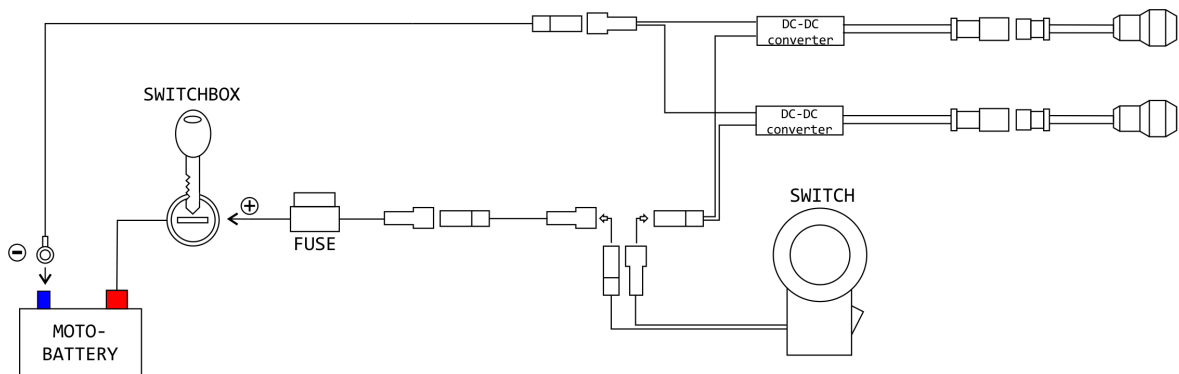
### ***HIGH-POWER LINE:***

***DUE TO ITS HIGH POWER AND HEAT DISSIPATION, THE CAN BE USED ONLY WHEN THE BIKE MOVES (NEEDS ACTIVE AIR COOLING)!***

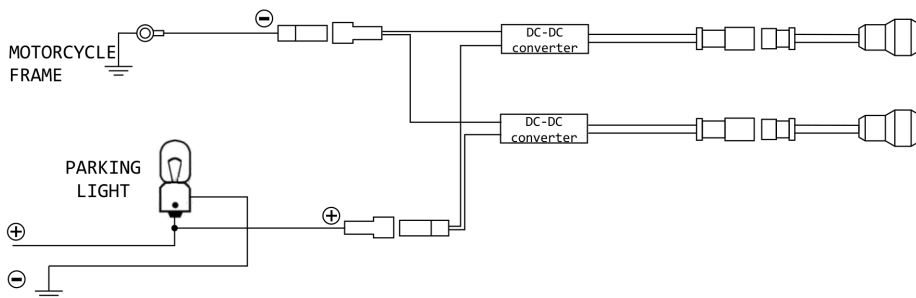
CONNECTION WITH SWITCH - DIRECTLY TO THE BATTERY



CONNECTION WITH SWITCH - OVER THE SWITCHBOX



CONNECTION WITHOUT THE SWITCH - SWITCHING TOGETHER WITH THE FACTORY LIGHTS



BE SURE THAT YOU ARE CONNECTING IN RIGHT POLARITY!!!

**Attention:**

**MID-POWER LINE:** It's not appropriate to leave the lights on when stationary for a longer time (about 10 min. +.) The lights need a little air flow to maintain operating temperature. They can overheat when stationary for longer time and that will significantly reduce their lifetime.

**HIGH-POWER LINE:** Due to its high power and heat dissipation, the high-power line can be used only when the bike moves. It needs active air cooling. Usage without air-flow can not be longer than approx. 5 minutes.

-Maximum operating temperature of the aluminium bodies of lights is about 80°C.

-The lights have no approval for road use so we're not responsible for their usage.

*Possible issues:*

If one of the lights doesn't work, check cable junctions and cable for any damage.

If both lights don't work, check power cables and their correct connection to the car's electricity. Check fuse – use only correct fuse type as mentioned in technical specification.

If any of this didn't work, contact your dealer or manufacturer of the device.

Warranty is provided for two years. We provide both warranty and after-warranty service.

**Safety notice**

**- The lights should be installed by specialised garage or service. Inappropriate mounting or electrical connection may result in damaging this or any other electrical devices in the motorcycle.**

**Not approved for road use. You're using this device at your own risk and responsibility.**



*Recycling*

Retired device should be given to places specified for retrieving electrical garbage.

Cover should be thrown into a specific container for recycled garbage.



Device is made in line with RoHS directive.

**RoHS**

Made in Europe, Czech Republic