

# MANUAL

## DARK KNIGHT INSANE

**RED** = +VDC

**BLACK** = - TO CHASSIS GROUND

**GREY** = WHITE POSITION LIGHT

**YELLOW** = AMBER POSITION LIGHT

**GREEN** = WARNING LIGHT

**BLUE** = WARNING LIGHT SYNCRONIZATION

### PAINTING INSTRUCTIONS

When painting the lamp, carefully remove the plastic breather on the back of the lamp and use the supplied sticker to close the hole so that no particles enter.

If drying takes place in an oven or similar, the temperature must not exceed 80°C.

After painting, remove the sticker and carefully reassemble the breather.

If these tips are not followed when painting, the warranty does not apply.

### **WARNING!**

DO NOT PAINT THE LAMP WITHOUT READING THE INSTRUCTIONS ABOVE!

### LEGAL MOUNTING

Check with state or local authorities for laws governing usage and proper mounting of your new lights.

### TAKE CARE OF YOUR PRODUCT

Keep the product clean. Dirt on the lens and heat-sink may shorten the products lifetime.

We recommend using lukewarm water and alkaline degreasing.

Follow the degreasing instructions carefully and rinse off gently with cold or lukewarm water on low pressure.

## **WARNING!**

Strong chemicals should not be used on the product. If you accidentally get strong chemicals on the product, rinse off immediately, use plenty of water so that no chemicals remain in any joint.

Some chemicals have a small amount of solvent in them, this can dissolve sealing adhesives and compromise the product's waterproofness.

Some chemicals pull out liquid from plastic and rubber-based components, which makes the plastic or rubber brittle and bursts more easily.

Be careful not to use high water pressure close up on the product. If you use high water pressure at short distances, most products find it difficult to close out the water.

## **INSTALLATION**

If there is a contact/connector on the product, it should not be cutted. If the connector is cut, the warranty is not valid.

If the product has loose cable and no connector. If the cable is shorter than 50 cm, the cable must not be cutted. If the cable is cut, the warranty is not valid.

If the cable is longer than 50 cm, it is ok to shorten the cable, but not shorter than 50 cm.

If the cable is cut shorter than 50 cm, the warranty is not valid.

Tighten screws and bolts so that they do not loosen or chafe.

Do not tighten screws so hard that the protective bearings on the product breaks.

## **WARNING!**

Do not use higher volts than the product description states.

This light becomes hot under continuous use. Don't remove or touch the casing for at least 30 minutes after turning the lamp off.

Type of Lamp	LED
PCS LED's	High beam: 8pcs (4pcs 10W+4pcs 20W) Position Light: 4pcs 0,5W Warning Light: 2pcs 3W
Voltage (V DC)	9-36V DC
Theoretical effect (w) 12V	120
Theoretical effect (w) 24V	120
Consumption (w) 12V	112
Consumption (w) 24V	98
Patterns	1
Functions	Driving light, position light, warning light
Theoretical lumen	12000
Actual lumen	10500
1 LUX @ m	439
Kelvin	6000
IP-class	68/69K
Colour housing	Black
Colour lens	Clear
Colour LED's	White/Amber

Beam pattern	Combo
Position light	Yes
Connection	Cable
Cable length (mm)	2500
Material bracket	Stainless steel
Material housing/chassi	Aluminium
Material lens	Polycarbonate
Length (mm)	247
Depth (mm)	70,7
Height (mm)	141
Height including bracket (mm)	170,5
Operating temperature	-40 · +60°C
ADR-approved	No
E-approved	Yes
According to regulation	ECE R112, R7, R65
Reference number	45
EMC	ECE R10

