

# strands®

-lighting division

## MANUAL

### DARK KNIGHT STROBE LIGHT DUO 12/18 LED

**RED=** +VDC

**BLACK=** - TO CHASSIS GROUND

**WHITE=** ASYNCHRONIZATION\*

**GREEN=**BY NIGHT MODE (CONNECT GREEN WIRE TO THE POSITIVE (+VDC))

**YELLOW=** PATTERN SWITCH / SYNCHRONIZATION\*

#### \*Synchronization:

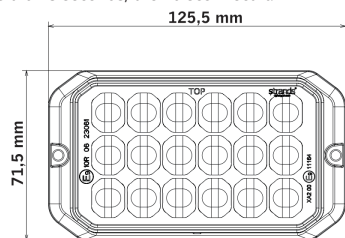
1. Keep the RED wire connected to the positive pole and the BLACK wire connected to the negative pole.
2. Connect / link all yellow wires together ( Do not connect them to the positive or negative pole), all lights will be synchronized
- If the lights are not in the same factory pattern, all lights can be reset together by touching all yellow wires to the positive for more than 3 seconds then disconnect, to return to pattern 1.

#### \*Asynchronization:

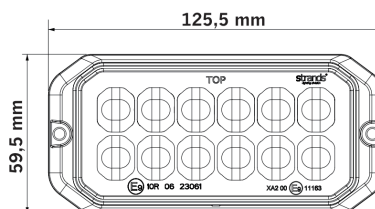
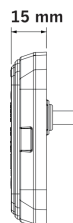
1. On the basis of synchronization (Keep all yellow wires linked)
2. Connect some white wires to the positive.
- Connect the white wires of some lights (but not all) to the positive pole. For example, if you have six lights and only want three of them to be asynchronous, you only need to connect three white wires; the other white wires should not be connected.

#### Pattern switch:

1. Touch / connect the yellow wire to the positive for 0.1-1 seconds then disconnect, for next flash mode
2. Touch / connect yellow wire to the positive for 1-3 seconds then disconnect, back to the previous mode
3. To reset and return to mode 1, touch or connect the yellow wire to the positive terminal for more than 3 seconds, then disconnect it.



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Flash patterns		
No.	Patterns	FPM
1	Amber Fast single flash (R65 approved)	150.0
2	Amber Slow single flash	100.0
3	Amber Slow double flash	100.0
4	Amber Fast double flash	150.0
5	Amber Slow triple flash	100.0
6	Amber Fast triple flash	150.0
7	White Slow single flash	100.0
8	White Fast single flash	150.0
9	White Slow double flash	100.0
10	White Fast double flash	150.0
11	White Slow triple flash	100.0
12	White Fast triple flash	150.0
13	Amber & white Alternate slow single flash	50.0
14	Amber & white Alternate fast single flash	75.0
15	Amber & white Alternate slow double flash	50.0
16	Amber & white Alternate fast double flash	75.0
17	Amber & white Alternate slow triple flash	50.0
18	Amber & white Alternate fast triple flash	75.0
19	Amber Steady on	-
20	White Steady on	-

#### READ THIS BEFORE INSTALLATION

READ ALL INSTRUCTIONS AND STUDY DIAGRAMS BEFORE INSTALLING YOUR NEW LIGHTS!

#### 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 50cm, the cable must not be cutted. If the cable is cut, the warranty is not valid.

If the cable is longer than 50cm, it is ok to shorten the cable, but not shorter than 15cm.

If the cable is cut shorter than 50cm, 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.

Part no. 850461,850462

Contact us if you need support:support@strands.se or +46(0)320-450450



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