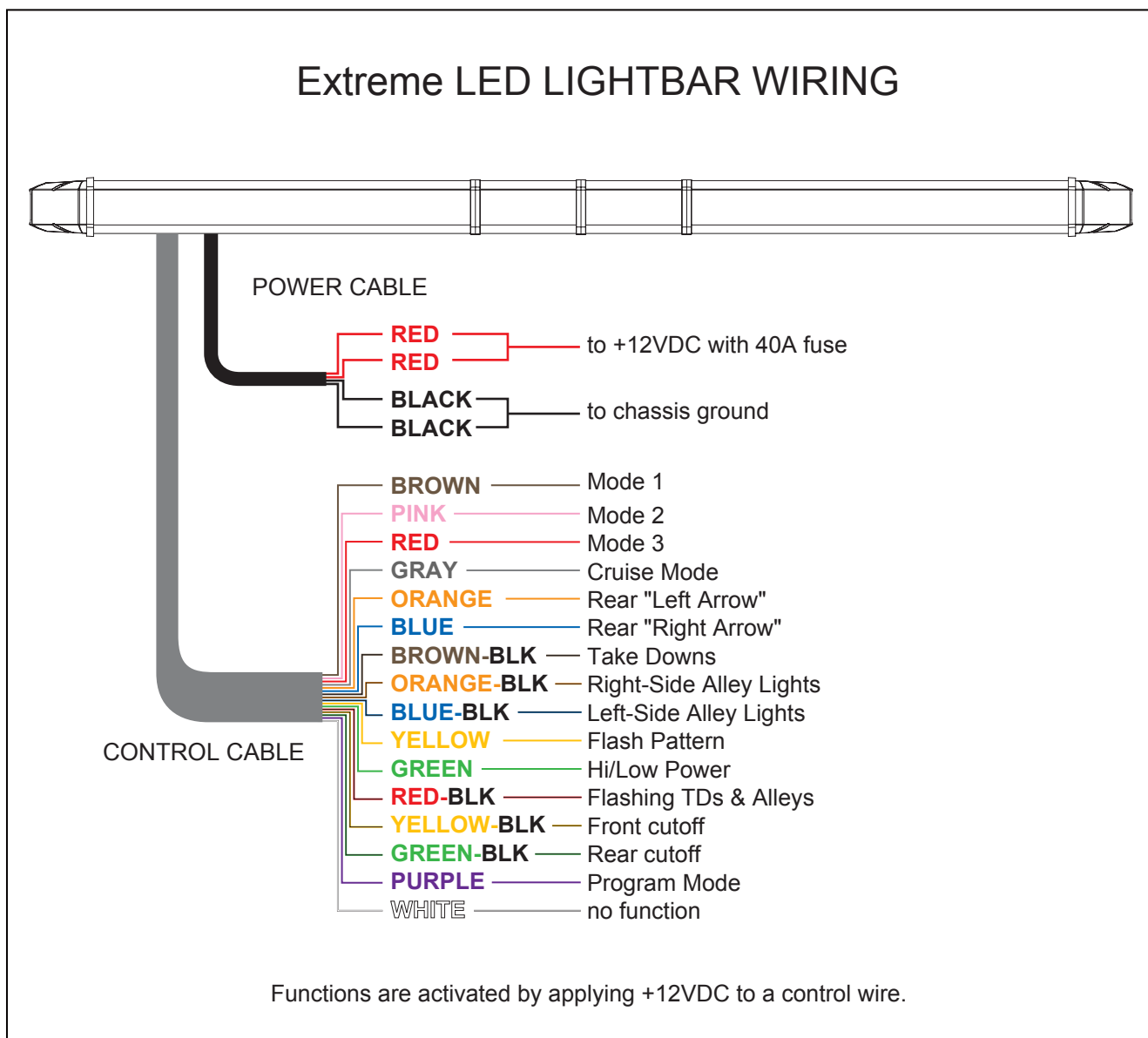


Simarud Extreme LED Lysbøyle koblingskjema

Different applications require different functions. It is highly recommended to determine and configure the required functions prior to Installation; (refer to 'CONTROL CABLE' section).



POWER CABLE

1. Route Power Cable to the vehicle firewall towards the battery.
2. Follow the factory wiring harness through the firewall. It may be necessary to drill a hole in the firewall. Make sure that there are no components that could be damaged from the drilling.
3. Route the cable to the battery.
4. Splice the 2 **RED** wires to form a single wire.
5. Install a 40Amp fuse (user-supplied) on the end of **RED** wire, then connect to battery.
6. Splice the 2 **BLACK** wires to form a single wire.
7. Connect **BLACK** wire to the factory chassis ground adjacent to the battery.

NOTE: make sure that all wires of power cable are securely connected to power source.

CONTROL CABLE

1. Route Control Cable towards the dash area to a switch panel (user-supplied).
2. Connect the required wires to the switch panel.

MODE 1

In Mode 1, the flash patterns can be selected from a list of harmonized standard flash patterns. Activate Mode 1 by applying **+12VDC** to **BROWN** wire.

To configure its flash pattern, tap **+12VDC** to **YELLOW** wire:

- Once for next pattern (refer to Mode 1 Flash Patterns chart).
- Quickly 3 times for reset to FP#0.

FP#	Mode 1 Flash Patterns		
0	Outside-In Single	10	Single-Quad (split)
1	Outside-In Ultra	11	Single H/L (split)
2	Side-by-Side Single	12	Single (all)
3	Side-by-Side Ultra	13	Double (all)
4	Single (split)	14	Quad (all)
5	Double (split)	15	Quint (all)
6	Quad (split)	16	Mega (all)
7	Quint (split)	17	Ultra (all)
8	Mega (split)	18	Single-Quad (all)
9	Ultra (split)	19	Single H/L (all)

NOTE: While in the “split” patterns, applying **+12VDC** to **GRAY** wire will activate cross patterns.

CROSS PATTERNS

In Mode 1, the “split” flash patterns can be changed to “cross” pattern. The cross pattern allows front left lightheads to synchronize with rear right lightheads; and front right lightheads to synchronize with rear left lightheads. The 2 groups of synchronized lightheads will alternate in a cross like pattern. To activate this function, apply **+12VDC** to **GRAY** wire.

MODE 2

In Mode 2, the flash patterns can be configured in pairs, providing very intense warning effect. Activate Mode 2 by applying **+12VDC** to **PINK** wire. It has, has priority over Mode 1 if both modes are activated.

To configure its flash pattern:

1. Activate Mode 2 and enter PROGRAM mode by quickly tapping **+12VDC** to **PURPLE** wire 3 times within 1 second.
2. Once in PROGRAM mode, all lighthoods will faintly blink every second. The inner forward-facing pair of lighthoods will be activated.
NOTE: If the inner forward-facing heads are Take Downs, then tap **+12VDC** to **PURPLE** wire once to scroll to the next pair of lighthoods.
3. Tap **+12VDC** to **YELLOW** wire:
 - Once for next pattern (refer to Priority Lighthouse Patterns).
 - Quickly 3 times within 1 second for reset to FP#0.
3. Scroll to the next pair of lighthoods by tapping **+12VDC** to **PURPLE** wire.
5. Repeat steps 2 and 3 until all lighthoods are properly configured.
6. Exit PROGRAM mode by quickly tapping **+12VDC** to **PURPLE** wire 3 times within 1 second.

FP#	Lighthouse Patterns
0	Steady
1	Single Slow (split)
2	Single Mid (split)
3	Single Fast (split)
4	Double (split)
5	Double (split)
6	Quint (split)
7	Ultra (split)
8	Single-Quad (split)
9	Single H/L (split)
10	Random
11	Off
12	Single Slow (all)
13	Single Mid (all)
14	Single Fast (all)
15	Double (all)
16	Double (all)
17	Quint (all)
18	Ultra (all)
19	Single-Quad (all)
20	Single H/L (all)

MODE 3

In Mode 3, the flash patterns can be configured in pairs similar to MODE 2. In Mode 3, the flashing TD & Alleys function will be automatically activated. Activate Mode 3 by applying **+12VDC** to **RED** wire. It has, has priority over Mode 1 and Mode 2 if all modes are activated.

To configure its flash pattern:

1. Activate Mode 3 and enter PROGRAM mode by quickly tapping **+12VDC** to **PURPLE** wire 3 times within 1 second.
2. Once in PROGRAM mode, all lighthoods will faintly blink every second. The inner forward-facing pair of lighthoods will be activated.

NOTE: If the inner forward-facing heads are Take Downs, then tap **+12VDC** to **PURPLE** wire once to scroll to the next pair of lighthoods.

3. Tap **+12VDC** to **YELLOW** wire:
 - Once for next pattern (refer to Priority Lighthouse Patterns).
 - Quickly 3 times within 1 second for reset to FP#0.
3. Scroll to the next pair of lighthoods by tapping **+12VDC** to **PURPLE** wire.
5. Repeat steps 2 and 3 until all lighthoods are properly configured.
6. Exit PROGRAM mode by quickly tapping **+12VDC** to **PURPLE** wire 3 times within 1 second.

FP#	Lighthouse Patterns
0	Steady
1	Single Slow (split)
2	Single Mid (split)
3	Single Fast (split)
4	Double (split)
5	Double (split)
6	Quint (split)
7	Ultra (split)
8	Single-Quad (split)
9	Single H/L (split)
10	Random
11	Off
12	Single Slow (all)
13	Single Mid (all)
14	Single Fast (all)
15	Double (all)
16	Double (all)
17	Quint (all)
18	Ultra (all)
19	Single-Quad (all)
20	Single H/L (all)

NOTE: Traffic Arrow functions cannot be activated while in MODE 3.

FLASHING TDs & ALLEYS

Activate Flashing TDs & Alleys by applying **+12VDC** to **RED-BLK** wire. To scroll to a different configuration, tap **+12VDC** to **YELLOW** wire:

- TDs and Alleys flashing
- Alleys only flashing
- TDs only flashing

NOTE: Flashing TDs & Alleys have priority over the steady burn functions.

CRUISE MODE

Activate Cruise mode by applying **+12VDC** to **GRAY** wire. All corner lightheads will be activated in low power steady burn. To activate more lightheads tap **+12VDC** to **PURPLE** wire while in CRUISE mode; the lightheads immediately next to the corner lightheads will be activated.

TRAFFIC ARROWS

During Mode 1, Mode 2, or Cruise mode, activate Traffic Arrow functions by applying **+12VDC** to:

- **ORANGE** wire for Left Arrow.
- **BLUE** wire for Right Arrow.
- **ORANGE** & **BLUE** wires for Center Out.

To configure the Traffic Arrow flash patterns, tap **+12VDC** to **YELLOW** wire:

- Once for next pattern (refer to Traffic Arrow Patterns chart).
- Quickly 3 times within 1 second for reset to FP#0.

FP#	Traffic Arrow Patterns
0	Sweep Single
1	Sweep Double
2	Sweep Triple
3	Sweep Single End-Double
4	Solid
5	Solid End-Double
6	Solid Chaser
7	Solid Fade
8	Blink Double
9	Blink Triple
10	Blink Solid

NOTE: If the bar is equipped with the Dual Color Traffic Arrow option, the rear lightheads will automatically switch to Amber when the Traffic Arrow function is activated; and will automatically switch back when the Traffic Arrow function is deactivated.

OTHERS

To activate other functions, apply **+12VDC** to:

- **BROWN-BLK** wire for Take Down Lights
- **ORANGE-BLK** wire for Right-Side Alley Lights
- **BLUE-BLK** wire for Right-Side Alley Lights
- **YELLOW-BLK** wire for Front cutoff
- **GREEN-BLK** wire for Rear cutoff
- **GREEN** wire for Low Power