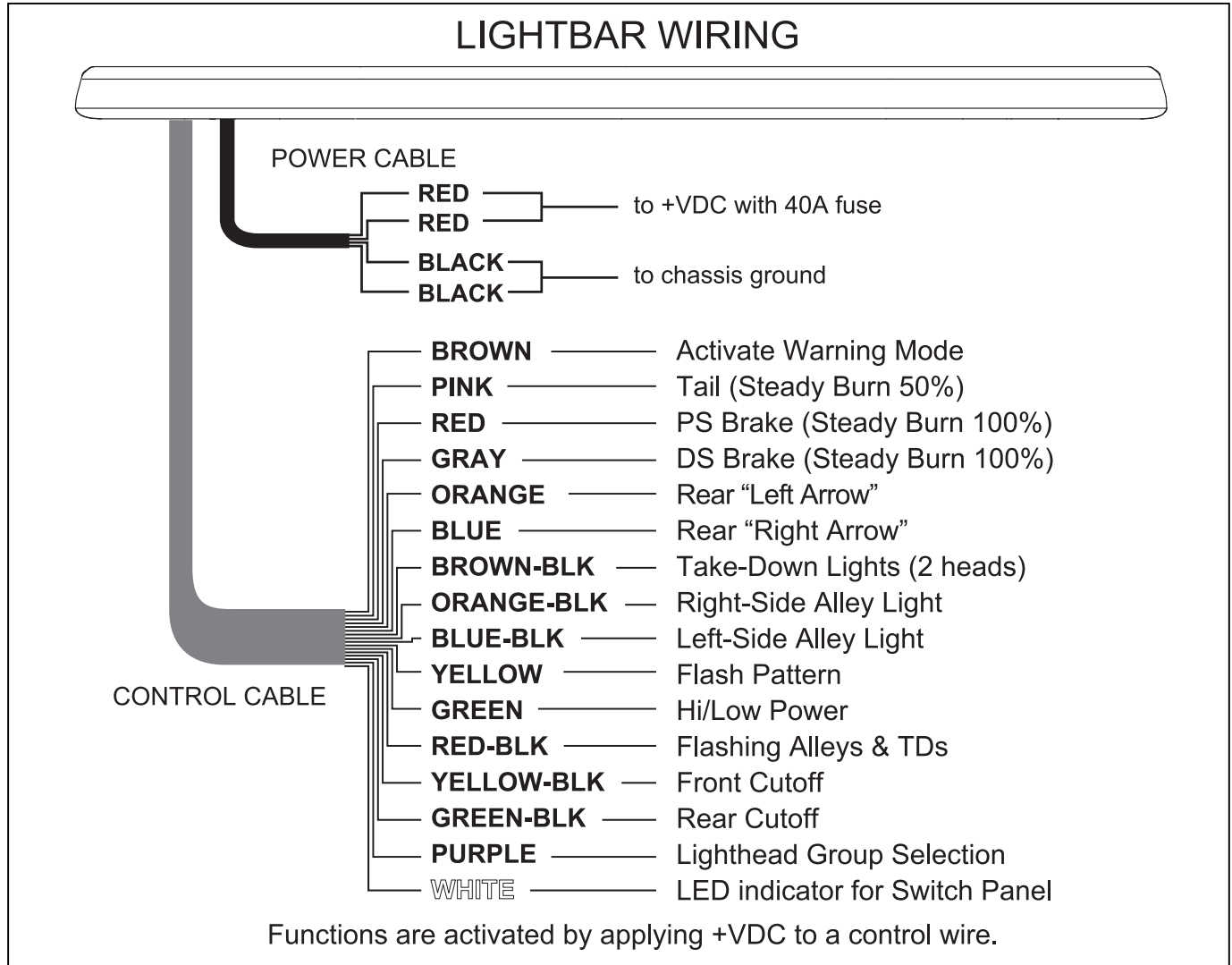


## WIRING & FUNCTIONS (S1)

Different applications require different functions. It is highly recommended to determine and configure the required functions prior to Installation.



### POWER CABLE

1. Route Power Cable to the vehicle firewall towards the battery.
2. Follow factory wiring harness through the firewall. It may be necessary to drill a hole in the firewall. Ensure that no components are 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.

### WARNING MODE

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

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

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

**NOTE:** This unit may not be factory set at FP#0.

FP#	Flash Patterns
0	Single Slow
1	Single Mid
2	Single Fast
3	Double 1
4	Double 2
5	Quad
6	Quint
7	Ultra
8	Single-Quad
9	Single H/L
10	Random

### LIGHTHEAD GROUPING

While in Warning Mode, the Lighthouse Groups can be selected by tapping **+VDC** to **PURPLE** wire:

- Once for next grouping (refer to Head Grouping chart).
- Quickly 3 times for reset to HG#1.

HG#	Head Grouping
1	All
2	Split
3	Cross
4	Outside-In
5	Side-by-Side

HG#1 ALL ————— All lighthoods will flash at the same time.

HG#2 SPLIT ————— Left side lighthoods will alternate with Right side lighthoods.

HG#3 CROSS ————— Front-Left & Rear-Right lighthoods will alternate with Front-Right & Rear-Left lighthoods.

HG#4 OUTSIDE-IN — Outer lighthoods will alternate with Inner lighthoods.

HG#5 SIDE-by-SIDE — Odd numbered lighthoods will alternate with Even numbered lighthoods.

## STOP/TAIL/TURN

The 2 outer lightheads in the rear are configured with the Stop/Tail/Turn function.

To activate **STOP/TAIL** function, apply **+VDC** to:

- **PINK** wire for outer lightheads in dim steady burn
- **RED** wire for outer-Left lighthead in steady burn
- **GRAY** wire for outer-Right lighthead in steady burn

Connect the above wires to the appropriate vehicle Stop/Tail switches.

**NOTE:** If desired, **RED** and **GRAY** wires can be used as **TURN** function by connecting to the appropriate vehicle Turn signal switches.

## TRAFFIC ARROWS

Activate Traffic Arrow functions by applying **+VDC** 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 **+VDC** to **YELLOW** wire:

- Once for next pattern (refer to Traffic Arrow Patterns chart).
- Quickly 3 times 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:** Traffic Arrow functions have priority over Warning, Turn, and Tail functions, but has no priority over Stop function.

## OTHERS

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

- **BROWN- BLK** wire for Take Down Lights
- **ORANGE- BLK** wire for Right-Side Alley Light
- **BLUE- BLK** wire for Left-Side Alley Light
- **RED-BLK** wire for flashing Alleys and TDs
- **YELLOW- BLK** wire for Front cutoff
- **GREEN- BLK** wire for Rear cutoff
- **GREEN** wire for Low Power

**OPTION** (for selected models only)

**WHITE** wire is to be connected to SW610-T1 Switch Panel (sold seperately).