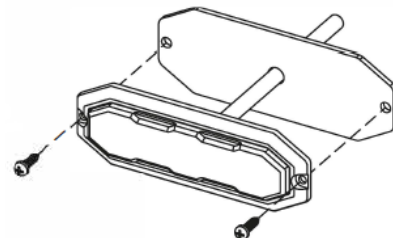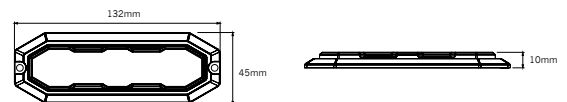# strands®
-lighting division

MANUAL
WARNING LIGHT - LED LIGHT HEAD

RED = +VDC (FUSE@3.5A)
BLACK = - TO CHASSIS GROUND
BLUE = FOR PATTERN ADVANCE AND SYNC
WHITE = FOR DIM FUNCTION
GREEN = FOR TURN SIGNAL OR STEADY FUNCTION
YELLOW = TO +VDC (FUSE@3.5A) FOR SECOND COLOR.
(ONLY DUAL COLOR LIGHTHEAD HAS YELLOW WIRE)

1. For dual color lighthead flashing:
  -Apply RED and YELLOW wire to +VDC together, two colors will flash alternatively.
  -Two colors and dual color can be set to different flash and directional pattern.
2. For flash pattern:
  -Momentarily apply BLUE wire to +VDC, the flash pattern will advance to next one.
  -Apply BLUE wire to +VDC for 3-5 seconds, the flash pattern will reset to pattern 1.
3. For synchronization:
  -Connect BLUE wire of all lightheads together. All lightheads should be set at the same flash pattern.
4. For simultaneous or alternative flash:
  -Apply BLUE wire to +VDC for 7 seconds to enter grouping mode.
    one LED flash - Group 1 (Default)
    two LED flash - Group 2
  -Lightheads in the same group flash simultaneously.
  -Lightheads in different group flash alternatively.
  -Turn off the power to save and exit the grouping mode, the flash pattern and directional pattern will reset to pattern 1.
5. For dim function:
  Apply WHITE wire to +VDC, light intensity down to 60% for night time driving. (This function only effect on flash pattern 1-10)
6. For turn signal or steady function:
  -Apply GREEN wire to +VDC, directional pattern will initiate and override original flash pattern.
  -Momentarily apply BLUE wire to +VDC, while GREEN wire on, the directional pattern will advance to next one.
  -When multiple lightheads sync together and set in flash pattern 1 or 2, the flash speed will temporary change if part of lightheads turn on the turn signal function.

FLASH PATTERNS

1	Single flash (R65)	14	Split single fast
2	Double (R65)	15	Slit quad fast
3	Single (SAE) (CAT13)	16	Split single turbo
4	Double (SAE)	17	Split double turbo
5	Quad (SAE)	18	Split combo
6	Single fast	19	Random
7	Double fast	20	Running 1
8	Quad fast	21	Running 2
9	Quad fast continue	22	Running 3
10	Combo	23	Running 4
11	Split single	24	Running combo
12	Split double	25	Steady half flash
13	Split quad	26	Steady burn

DIRECTIONAL PATTERNS

1	Right 1	4	Left 2
2	Right 2	5	Steady burn
3	Left 1		

Part no.   850135HP-A
            850135HP-B
            850130HP-A