

# STARVISION II™

## MODEL VL22 LED VISOR LIGHT

30 Tilt-Activated Flash Patterns – Lightweight – Polycarbonate



Voltage : 10-16VDC  
Current Draw : Approx. 1.5 Amps

The VL22 uses state-of-the-art Light Emitting Diode (LED) technology. This warning light is comprised of ultra-high intensity LEDs that are operated by a micro-controller to efficiently produce light output with lifetimes up to 100,000 hours.



This light utilizes high-intensity LED lamps. **DO NOT** stare directly into the light while it is on, as momentary blindness and/or permanent eye damage may occur.

**IMPORTANT:** Please read all of the following instructions before installing your new Model VL22 STARVISION II™ LED Visor Light .

**CAUTION:** Please be sure to check that your cigarette plug outlet is properly fused. **Testing the light before this fuse is properly installed will void the warranty on the light.**

**WARNING!!!!** Care should be taken when positioning this warning light on the visor so that the light and/or cord does not interfere with the proper operation of the driver-side or passenger- side airbag! Failure to heed this warning may result in serious or fatal injury.

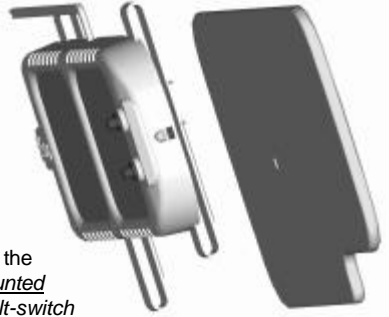


*The STARVISION II™ visor light is designed to be mounted on the inside of your vehicle. It is not intended for exterior applications.*

*It is the sole responsibility of the owner to ensure the warning light is secure. Check your light every time you enter the vehicle to ensure that it is mounted securely. Star Headlight and Lantern Co. assumes no responsibility for the secure mounting of this light.*

## Mounting

1. The STARVISION II™ Visor Light comes equipped with two Velcro straps for standard visor mounting. Please read all of the following instructions before installing your new STARVISION II™ Visor Light .
2. Place the vehicle's sun visor in the "down" position. (Typically the passenger side visor.)
3. Place the STARVISION II™ Visor Light in front of the vehicle's sun visor, with the cigarette plug cord exiting the top of the light. Please Note: The VL22 must be mounted with the power cord exiting the top of the light or the tilt-switch will not function properly.

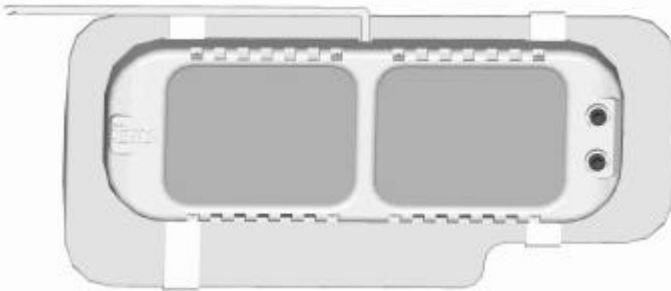


4. With the flat side of the light mounted against the visor and the LEDs pointing towards the windshield, adjust the straps so that the light may be slid over the end of the visor.
5. Once in place, tighten the straps to the desired tension.
6. Route the wire across the top of the visor and down to your cigarette plug outlet.



**CAUTION!!!** Once the light is secured, route your cord such that it does not interfere with the vision of the driver or the operation of the steering wheel, gear shifter, and/or any airbags.

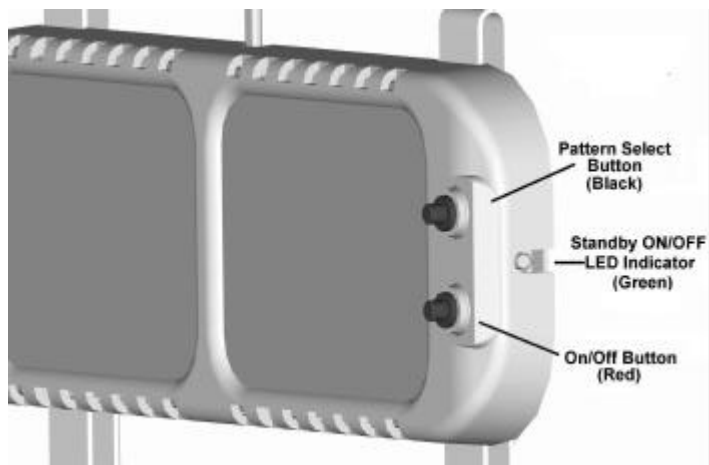
**Warning: It is the owners sole responsibility to ensure that the mount is secure and will not come loose while the vehicle is in motion.**



Passenger side mounting is shown here. Please note that the cord is routed such that it runs towards the outside of the windshield and does not obstruct the view of the driver.



## Operation



When in the “ON” mode, the STARVISION II™ LED Visor Light is designed with a tilt sensor to automatically turn the light “ON” when the visor is flipped down and turn the light “OFF” when the visor is pushed back up.

This light was also designed with provisions to de-activate the tilt switch. If you wish to alter the internal jumper settings so that the light will operate at any angle, using the On/Off button, please call our **Customer Service Department at 585-226-9787**.

### **ON/OFF BUTTON:**

There are two push-button switches located to the right on the face of the STARVISION II™. The bottom button is red and switches the unit on and off. When the unit is switched ON, the green LED that is located on the right end of the light near the buttons, will illuminate. This signifies that the light is in standby mode. While in standby mode, the VL22 will remain off when the visor is in the up position. The VL22 will activate when the visor is flipped down. When the green LED is not lit, the VL22 is OFF and will not flash in any position.

### **PATTERN SELECT BUTTON:**

The black push-button switch located above the On/Off switch-button is the Pattern Select button. Each time this switch-button is depressed, the VL22 will cycle to the next pattern. The VL22 is designed with thirty different patterns:

1. Singleflash Alternating (*Default Pattern*)
2. Singleflash Simultaneous
3. Tripleflash Simultaneous
4. Five-Flash Simultaneous
5. Singleflash Fast Alternating
6. Tripleflash Fast Alternating
7. Five-Flash Fast Alternating
- 8.. Singleflash Alternating POP
9. Tripleflash Alternating POP
10. Five-Flash Alternating POP
11. Singleflash Fast Alternating Rapid
12. Simultaneous Quadflash Burst
13. Alternating Quadflash Burst
14. Alternating Rapid w/Overlap
15. Alternating Tripleflash w/Overlap
16. Dimmer FX
17. Simultaneous Rapid Pulse w/Variable Rate
18. Alternating Rapid Pulse w/Variable Rate
19. Alternating 21-Flash Burst
20. Alternating Doubleflash, Quadflash, and Quadflash Burst w/Overlap
21. Alternating Tripleflash, Tripleflash Burst, and Rapid Singleflash
22. Simultaneous Doubleflash, Alternating Doubleflash, and Alt. Rapid Singleflash
23. Alternating Tripleflash Burst, Simultaneous Doubleflash, and Alternating Singleflash
24. Fast Alternating Doubleflash and Fast Simultaneous Doubleflash
25. Simultaneous Doubleflash, Fast Simultaneous Doubleflash, and Alt. Rapid Singleflash
26. Alternating Singleflash and Fast Alternating Singleflash
27. Alternating Five-Flash Burst, Fast Alternating Five-Flash, and Alt. Rapid Singleflash
28. Steady Red w/Blue Singleflash and Singleflash POP
29. Steady Red w/Blue Singleflash
30. DEMO MODE (cycles through all patterns)

There is also an additional “OFF” pattern included after the DEMO MODE. After the “OFF” pattern, the patterns will start to cycle through again. The STARVISION II™ LED Visor Light will “remember” the selected pattern when switched off and that pattern will be displayed the next time the light is switched on.

The **VL22** uses state-of-the-art Light Emitting Diode (LED) technology. This warning light is comprised of ultra-high intensity LEDs that are operated by a micro-controller to efficiently produce light output with lifetimes up to 100,000 hours. Under normal circumstances, you will not need to replace any lights in this warning light.

### PARTS LIST

Circuit (Red/Blue).....	S8070-228-1	Cig Plug.....	176
Circuit (Red/Red).....	S8070-228-2	Clear Lens.....	P30129-10C
Circuit (Blue/Blue).....	S8070-228-3	Velcro Straps.....	P30209-1
Circuit (Amber/Amber).....	S8070-228-4	Backplate.....	P30019-59
Circuit (Red/Amber).....	S8070-228-5	Backplate Screws.....	P30052-32
Circuit (Blue/Amber).....	S8070-228-6	Switchbutton Nuts.....	P30007-68-1
Circuit (White/White).....	S8070-228-7	Front Housing/Frame.....	P30214-2

*This light has been factory tested and approved. If the light fails to work when the plug is inserted into the cigarette plug, check the green LED on the side of the light.*

#### **If the green LED is not lit:**

- A. Press the red ON/OFF push-button switch
- B. Twist the plug a few times to remove any ash or other deposits which might be preventing a good contact from being made
- C. Remove the fuse from the vehicle fuse box and check to see if it has blown.
- D. Remove the fuse from the cig plug on the light (if present) and check to see if it has blown.
- E. Clean the lighter socket and contact surfaces.

#### **If your VL22 does not flash and the green LED is lit:**

- A. Press the black Pattern Select push-button switch to be sure the "Off" pattern is not selected.
- B. Check that the light is properly oriented with the cig plug exiting from the top of the light and that the light is in a vertical position.

## **ONE YEAR LIMITED WARRANTY**

The manufacturer warrants each new product against factory defects in material and workmanship for one year after the date of purchase. The owner will be responsible for returning to the Service Center any defective item(s) with the transportation costs prepaid. The manufacturer will, without charge, **repair or replace at its option**, lights or light part(s) which its inspection determines to be defective. Repair or replacement item(s) will be returned to the purchaser with transportation costs prepaid from the service point. A copy of the purchaser's receipt must be returned with the defective item(s) in order to qualify for the warranty coverage. Exclusions from this warranty are FLASH TUBES/BULB(S) as well as the finish. This warranty shall not apply to any light which has been altered, such that in the manufacturer's judgment the performance or reliability has been affected or damage has resulted from abnormal use or service.

There are no warranties expressed or implied (including any warranty of merchantability or fitness), which extend this warranty period. **The loss of use of the product, loss of time, inconvenience, commercial loss or consequential damages, including costs of any labor, are not covered.** The manufacturer reserves the right to change the design of the product without assuming any obligation to modify any product previously manufactured.

This warranty gives you specific legal rights. You might also have additional rights which may vary from state to state. Some states do not allow limitations on how long an implied warranty lasts. Some states do not allow the exclusion or limitation of incidental or consequential damages. Therefore, the above limitation(s) or exclusion(s) may not apply to you.

If you have any questions concerning this or any other product, please contact our **Customer Service Department** at (585) 226-9787.

If a product must be returned for any reason, please contact our Customer Service Department to obtain a Returned Goods Authorization number (RGA #) before you ship the product to Star. Please write the RGA # clearly on the package near the mailing label.



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