

# WHELEN<sup>®</sup>

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**Operational Information:  
 I/O Board 02-016C884-00**

# Automotive: Lightbars

## Lightbar Input Wires (fuse each wire @ 1A):

COLOR	FUNCTION
GREEN	Lightbar, Front
BLUE	Lightbar, Rear
GREEN & BLUE	Flashing T-Ds and Alley Lights
WHITE	Alley, Driver Side
YELLOW	Alley, Passenger Side
WHITE/BLACK	Take-Down Lights
WHITE/PURPLE	Scan-Lock™
WHITE/YELLOW*	Traffic Advisor™, Left Sweep
WHITE/GREEN*	Traffic Advisor™, Right Sweep
WHITE/BLUE*	AUX / Override
PURPLE	Low Power & Cruise Lights

\*refer to "Dip Switch Functions" for more information.

The PURPLE wire operates as follows:

- Applying +12VDC to this wire when no warning lights are active will turn on the lightbar's cruise lights.
- Applying +12VDC to this wire when any warning light is active places the lightbar into Low Power mode.
- If cruise lights are on and the operator then activates a warning light, the cruise lights will turn off and the lightbar will operate at normal intensity levels. If the operator then wishes to activate Low Power mode, the PURPLE wire must be re-activated.

## Dip Switch Functions:

DS#1	DS#2	Function
OFF	-	Set for single-color Traffic Advisor™
ON	-	Set for dual-color Traffic Advisor™
-	OFF	Set for Rear Flashing Pair
-	ON	Set for Pattern Override

## Flashing Take-Down and Alley Light Patterns:

#	Pattern	Lamps
1	SingleFlash 240	Take-Down & Alley Lights
2	SingleFlash 120	Take-Down & Alley Lights
3	SingleFlash 240	Take-Down Only
4	SingleFlash 120	Take-Down Only
5	SingleFlash 240	Alley Lights
6	SingleFlash 120	Alley Lights
7	OFF	

## Lightbar Patterns:

1. ActionScan™	10. SingleFlash 300
2. SignalAlert™	11. DoubleFlash 120
3. CometFlash®	12. ActionFlash™75
4. DoubleFlash 75	13. ActionFlash™150
5. SingleFlash 75	14. PingPong™75
6. LongBurst™75	15. FlimFlam™
7. SingleFlash 60	16. ModuFlash™
8. SingleFlash 90	17. Off
9. SingleFlash 120	