

Freedom[®] IV Series



SUPER-LED[®] LIGHTBAR

Whelen's new Freedom IV Series features advanced Linear Super-LED optics, DYAD[™] two level technology, and 360° of contiguous light. The Freedom IV Rota-Beam[™] lightbar is designed without any moving parts or motors, for long life reliability.



F4W4RRBB



F4R0RBC

FEATURES

- WeCanX[™] models available
- Extruded aluminum platform for long life dependability
- Clear outer domes with clear dividers
- Available in permanent mount with passenger side cable exit or mode specific driver side option
- Color domes for center and end sections with optional alley window
- Alley and take-down light options
- Hard-coated lenses minimize environmental damage from sand, salt, sun, and road chemicals
- 100% solid-state electronics
- 12 VDC
- SAE Class 1 Certified
- Dimensions without mounting feet: 3.75" (95mm) H, 12.5" (318mm) W
- Five year warranty

FREEDOM IV DYAD

- WeCan[®] DYAD two level technology (single or two color) allows for individual control of each level of each lighthouse
- Low Current DYAD two level technology (single color) allows for individual control of each lighthouse segment (2x2)


- Linear Super-LED technology
- Advanced Thermal Design reduces the stress on LEDs during extended dwell time
- Optional Photocell automatically dims the lightbar at night while still meeting
- SAE Class 1 requirements
- Center dividers with LIM (Liquid Injection Molded) seals protect internal components from water infiltration
- Alternate center options available
- Each model has one or two sealing points, assuring lightbar integrity in all weather conditions
- Point to point wiring between the I/O board and each lighthouse allows for easy reconfiguration
- Newly designed corner modules blend light together for 360° of contiguous light
- Whelen's Collimator[™] patented opti design provides unbeaten light output
- WeCan models are programmable with unlimited flash patterns
- Plug & Play into Whelen or vehicle manufactured controllers

(WeCan only)

- Add up to 16 optional Linear Super-LED directional modules
- Go undercover with all new, SAE Class 1 Certified Smoked lenses and dividers or color domes
- Standard lengths: 44.5" (113cm), 49.75" (126cm), 55" (140cm), 60" (152cm), and 72" (183cm)

FREEDOM IV ROTA-BEAM

- Rotating Super-LED Technology
- Single color corner modules available in Amber, Blue, Red, or White
- Freedom IV F4R Rota-Beam Series Super-LED Lightbars, includes four half corner Super-LED beacons
- Multiple flash patterns
- Amp Draw: 2.2/average
- Standard lengths: 55" (139cm), 60" (152cm), and 72" (182cm)

 **WARNING:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit whelen.com/regulatory.





WHELEN ENGINEERING COMPANY, INC.

Model	Description
F4X4****	Low Current, 44.5" (113cm), 4 Red, Blue, Amber and/or White, single color modules
F4X8****	Low Current, 49.25" (125cm), 4 Red, Blue, Amber and/or White, single color modules
F4X2****	Low Current, 55" (140cm), 4 Red, Blue, Amber and/or White, single color modules
F4X0****	Low Current, 60" (152cm), 4 Red, Blue, Amber and/or White, single color modules
F4X7****	Low Current, 72" (183cm), 4 Red, Blue, Amber and/or White, single color modules
F4W4****	WeCan®, 44.5" (113cm), 4 Red, Blue, Amber and/or White, single or two color over/under modules
F4W8****	WeCan®, 49.25" (125cm), 4 Red, Blue, Amber and/or White, single or two color over/under modules
F4W2****	WeCan®, 55" (140cm), 4 Red, Blue, Amber and/or White, single or two color over/under modules

Model	Description
F4W0****	WeCan, 60" (152cm), 4 Red, Blue, Amber and/or White, single or two color over/under modules
F4W7****	WeCan, 72" (183cm), 4 Red, Blue, Amber and/or White, single or two color over/under modules
K4W4****	WeCanX™ 44.5" (113cm), 4 Red, Blue, Amber and/or White, single or two color over/under modules
K4W8****	WeCanX 49.25" (125cm), 4 Red, Blue, Amber and/or White, single or two color over/under modules
K4W2****	WeCanX 55" (140cm), 4 Red, Blue, Amber and/or White, single or two color over/under modules
K4W0****	WeCanX 60" (152cm), 4 Red, Blue, Amber and/or White, single or two color over/under modules
K4W7****	WeCanX 72" (183cm), 4 Red, Blue, Amber and/or White, single or two color over/under modules



Replace * symbol in model number with letter indicating color desired:
A=Amber, B=Blue, R=Red, C=White

OPTIONS

Freedom IV DYAD™ Series Options	
F4DL*	One single color long 12 Super-LED® DYAD lighthouse, Amber, Blue, Red or White
F4DS*	One single color short 6 Super-LED DYAD lighthouse, Amber, Blue, Red or White
F4DL#	One two color long 12 Super-LED DYAD lighthouse, Amber, Blue, Red and/or White, for F4W Series only
F4DS#	One two color short 6 Super-LED DYAD lighthouse, Amber, Blue, Red and/or White, for F4W Series only
F4A3	Two 3-LED Super-LED alley lights
F4A6	Two 6-LED Super-LED alley lights
F4WA*	One single color short 6 Super-LED DYAD lighthouse, alley light position warning, Amber, Blue, Red or White
F4RWA#	One single short 6 Super-LED lighthouse, Amber, Blue, Red with White alley light, for F4W Series only
F4TL6	Two 6-LED Super-LED long take-down lights
F4TS6	Two 6-LED Super-LED short take-down lights
F4WBTT	Two LED Brake/Tail/Turn lights, 44"-60" for F4W Series only
F4XBTT	Two LED Brake/Tail/Turn lights for F4X Series only, includes external harness

F4XTACBL	Traffic Advisor™ Internal and External Cables, lighthoods purchased separately, when purchased with lightbar only
F4XTACTL	Traffic Advisor Internal and External Cables and Control Head, lighthoods purchased separately, when purchased with lightbar only
Edge Freedom IV Rota-Beam Series Options	
F4RB*	One Super-LED Rota-Beam Module, Amber, Blue, Red or White, for inboard front or rear
F4RDL*	One single long 12 Super-LED Lighthouse, Amber, Blue, Red or White
F4RDS*	One single short 6 Super-LED Lighthouse, Amber, Blue, Red or White
F4RA3	Two 3-LED Super-LED alley lights
F4RA6	Two 6-LED Super-LED alley lights
F4R6TL	Two 6-LED Super-LED long take-down lights
F4R3TS	Two 3-LED Super-LED short take-down lights
F4R6TS	Two 6-LED Super-LED short take-down lights
F4RFLASH	Flasher for front or rear F4RDS* & F4RDL*, purchased separately. Up to two per bar, each front or rear flasher controls up to four lights, for a total of eight



Replace * in model number with color desired: A=Amber; R=Red; B=Blue; C=White.
Replace # in model number with interleaved color desired D=Red/White, E=Blue/White, F=Amber/White, J=Red/Blue, K=Red/Amber, M=Blue/Amber.

All products proudly designed, manufactured, and assembled in the U.S.A.
• ISO 9001 Registered QMS

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WHELEN
MANUFACTURED IN AMERICA

51 Winthrop Road
Chester, Connecticut 06412-0684
(860) 526-9504
www.whelen.com