

Freedom[®] IV DUO[™]

SUPER-LED[®] LIGHTBAR

Whelen's new Freedom IV DUO features advanced Linear Super-LED[®] optics, DUO technology for high-intensity warning and illumination, and 360° of contiguous light.



FEATURES

- Linear Super-LED technology
- WeCan[®] DUO technology (two color) allows for individual control of each color and each lighthouse, while providing a large aspect ratio of warning and illumination
- Advanced Thermal Design reduces the stress on LEDs during extended dwell time
- Center dividers with LIM (Liquid Injection Molded) seals protect internal components from water infiltration
- Lightbar sealing points assure lightbar integrity in all weather conditions
- Hard-coated lenses minimize environmental damage from the sun, salt, and road chemicals
- 100% solid-state electronics
- Point to point wiring between the I/O board and each lighthouse allows for easy reconfiguration
- Corner modules blend light together for 360° of contiguous light
- Whelen's Collimator[™] patented optic design provides unbeaten light output
- Models are programmable with unlimited flash patterns
- Plug & Play into Whelen or vehicle manufactured controllers (WeCan only)
- Optional Photocell automatically dims the lightbar at night while still meeting SAE Class 1 requirements
- Add up to 16 optional Linear Super-LED directional modules
- Standard 17' passenger side cable, optional driver side cable available
- Height without mounting feet: 3.7" (94mm)
- Lengths: 44.5" (113cm), 49.25" (125cm), 55" (140cm), 60" (152cm), 72" (183cm)
- Five year warranty

OPTIONS

- Take-downs available in three or six Super-LED modules
- Alley lights available in three or six Super-LED modules
- Pioneer[™] lightbar mount
- SAE Class 1 certified smoked lenses and dividers
- DUO+[™] inboard modules are available in 12 Super-LED short modules or 24 Super-LED long modules

CENTER OPTIONS

- GTT LED emitter available with or without take-downs
- Smoked center domes available


F424####	44.5" (113cm)
F428####	49.25" (125cm)
F422####	55" (140cm)
F420####	60" (152cm)
F427####	72" (183cm)

OPTIONS

F42DL#	One DUO long 24 Super-LED DUO lighthouse
F42DS#	One DUO short 12 Super-LED DUO lighthouse
F42WA#	One DUO short 12 Super-LED DUO alley/warning light
F4A3	Two 3-LED Super-LED alley lights
F4A6	Two 6-LED Super-LED alley lights
F4TL6	Two 6-LED Super-LED long take-down lights
F4TS6	Two 6-LED Super-LED short take-down lights

Replace # in model number with Interleaved color desired:
D=Red/White, E=Blue/White



 **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.

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

Whelen Engineering reserves the right to upgrade and improve products without notice.
© 2023 Whelen Engineering Company, Inc. Printed in U.S.A.
Code No. P13356C - 7/31/2023

WHELEN[®]
MANUFACTURED IN AMERICA

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