

# Freedom<sup>®</sup> IV DUO<sup>™</sup>



## SUPER-LED<sup>®</sup> LIGHTBAR

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



### FEATURES

- Linear Super-LED technology
- WeCan<sup>®</sup> 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<sup>™</sup> 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)
- WeCanX models have a 10- year warranty on I/O boards and lighthouses. WeCan and Low Current models have a 5-year warranty on I/O boards and a 10-year warranty on lighthouses.

**⚠️ 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](http://whelen.com/regulatory).

### OPTIONS

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

### CENTER OPTIONS

- Miovision 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



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• ISO 9001 Registered QMS

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