



2014 NFPA 1901

Specification Lighting Packages

FORM# NFPA0914
REVISED 9/10/14

WHELEN[®]
MANUFACTURED IN AMERICA

NFPA Compliant Components

Lightbars



JENFPA 56" / JONFPA 60"
JE2QNFPFA 56" / JE0QNFPFA 60"
Justice® Super-LED®



FN55QLED 55" / FN60QLED 60" / FN72QLED 72"
FN55VLED 55" / FN60VLED 60" / FN72VLED 72"
Freedom™ Super-LED

Mini Lightbars



FNMINI
Freedom™
Super-LED



JNMINI
Justice®
Super-LED

Beacons



RB6T
Rotating Halogen



L31HRFN
Super-LED



R316RF
Rota-Beam™
Rotating Super-LED

Combination Tailboard



B6TRP
Rotating Halogen Upper
Super-LED Lower



B6MMRRP
Super-LED Upper
& Lower



B63M7RR
Rota-Beam™
Rotating Super-LED Upper
M7 Linear Super-LED
Lower

May substitute lens colors in upper and lower level, specify color.

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Micro Edge®



MCFLED2R
Micro Freedom™
Super-LED

Flashers

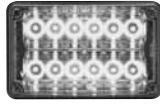


AFL530
5 Terminal
LED flasher



AFL560
5 Outlet
LED/Halogen Flasher

400 Series



40RR5SRR
400 Series
Linear Super-LED®



4V3R
400 V-Series™ Super-LED
Combination
Warning/Flood/Puddle

500 Series



50R03ZRR
500 Series
TIR6™ Super-LED

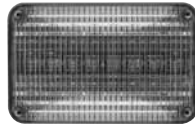


50R02ZRR
500 Series
Linear Super-LED



5V3R
500 V-Series
Super-LED
Combination
Warning/Flood/Puddle

600 Series



60R02FRR
600 Series
Linear Super-LED



6RBR
600 Series
Rota-Beam™ Rotating
Super-LED

LIN3™



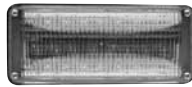
RSR02ZCR
LIN3 Series
Linear Super-LED

LINZ6™

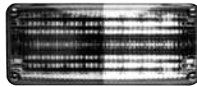


LINZ6R
Linear Super-LED

700 Series



70R02FRR
700 Series
Linear Super-LED



70RC6FCR
700 Series
Linear Super-LED
Split Red/White

ION™



WIONSMCR
ION V-Series Super-LED
Combination Warning/Flood/Puddle

V23

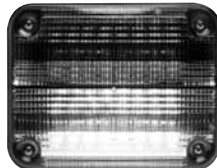


V23TPC
V-Series Super-LED
Combination Warning/Flood/Puddle

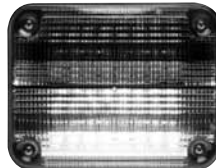
900 Series



90RR5FRR
900 Series
Linear Super-LED

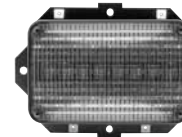


90RA5FCR
900 Series
Linear Super-LED
split Red/Amber



90RC5FCR
900 Series
Linear Super-LED
split Red/White

Headlight Mounting



Lighthouse mounting in
headlight cluster with
600 Series Lighthouse

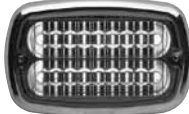


Lighthouse mounting in
headlight cluster with
M6 Series Lighthouse

M Series - Surface Mount



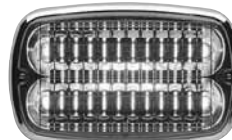
M4R
M4 Series
Surface Mount
Linear Super-LED



M6R
M6 Series
Surface Mount
Linear Super-LED



M7R
M7 Series
Surface Mount
Linear Super-LED



M9R
M9 Series
Surface Mount
Linear Super-LED



M6V2R
V-Series
Super-LED Combination
Warning/Puddle



M9V2R
V-Series
Super-LED Combination
Warning/Scenelight

Note: Choosing one of the options listed in each zone is the minimum zone requirement that is needed to meet the NFPA 1901 Standard for Automotive Fire Apparatus 2009 Edition, Table 13.8.13.5 (Minimum Optical Power Requirements for Apparatus). If additional lighting is needed to meet lower zone distance requirements only, Whelen offers a wide variety of lighthoods to fit your needs.

Some LED lighthoods have internal flasher module and do not need a flasher unless a specific flash sequence is needed.

For overall amperage consumption, see Amp Draw Charts in back of book.

NFPA 1901 Lighting Specifications

Measurements Summary Sheet

How to Measure Lighting Specifications

EXAMPLE: Zone A Upper, Clearing the Right of Way Measurements.

1. Test all modules distributing light 45° right and 45° left at 5° increments (19 test points, total).
2. Add all 19 test points together for each module and add these modules together.
For example:
 A rotating lamp has the same reading at all 19 points (i.e. 120 candela seconds in red) $19 \times 120 = 2280$.
 There are four of these identical rotators in Zone A $4 \times 2280 = 9120$.
 There is also one clear rotator in Zone A that produces 600 candela. $19 \times 600 \times 1 = 11400$.
 Add 11400 to the four identical rotators (9120) for a total of 20520.
 To convert to candela-second/minutes, multiply 20520×1.25 (Hz) $\times 60$ (seconds).
 The total is 1,539,000 candela-second/minutes.
3. There is a minimum requirement in Zone A for each of the 19 test points (10,000 candela-sec./min.).
For example: 20° left:
 Four red rotators produce 220 candela seconds at 20° and one clear rotator produces 600 candela seconds at 20° for a total of 1080 candela seconds. Multiply 1080 by 1.25 (Hz) and multiply by 60 (seconds) for a total of 81,000 candela-second/minutes.
4. The final test requirement for this zone is to check 5° up and 5° down at all 19 test points.
 The minimum requirement for these areas is 3500 candela-second/minutes.
For example: at 35° left, 5° down:
 All four identical red rotators get 40 candela seconds.
 One clear rotator gets 200 candela seconds.
 $40 \times 4 + 200 \times 1.25$ (Hz) $\times 60$ (seconds) equals 27,000 candela-second/minutes.

5. Other requirements to keep in mind:

For large & small apparatus photometric requirements & color requirements by zones see charts.

6. Load Management (refer to NFPA 1901 Standards Section 13.3.6).

Often the electrical requirements of all appliances operating at the same time exceed the output capacity of the alternator. To prevent deep discharge of the vehicles batteries, appliance malfunction, or possible engine shut down, it is required to automatically disconnect non-critical loads in order to equalize the alternator output capacity. The purchaser and apparatus manufacturer must work together to determine the load management priority assigned to each piece of equipment on the apparatus. Certain equipment including the emergency lighting required to meet the minimum photometric zone requirements cannot be load managed, *additional emergency lighting equipment can be installed on the apparatus, however this equipment should be connected to an automatic load manager.*

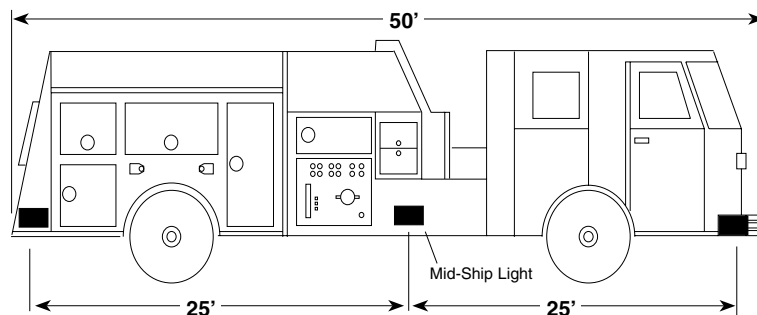
How to determine the quantity of mid-ship lights needed to adequately light the lower B&D zones of Large Apparatus.

Additional mid-ship lights must be added so that you always maintain a horizontal distance of 25 feet or less between all centers of the lower level warning lights.

For example:

You have a piece of apparatus 50 feet long. In Zone B lower you are using 3 warning lights. (1 front bumper area, 1 rear of the apparatus, and 1 mid-ship light in the center of the apparatus).

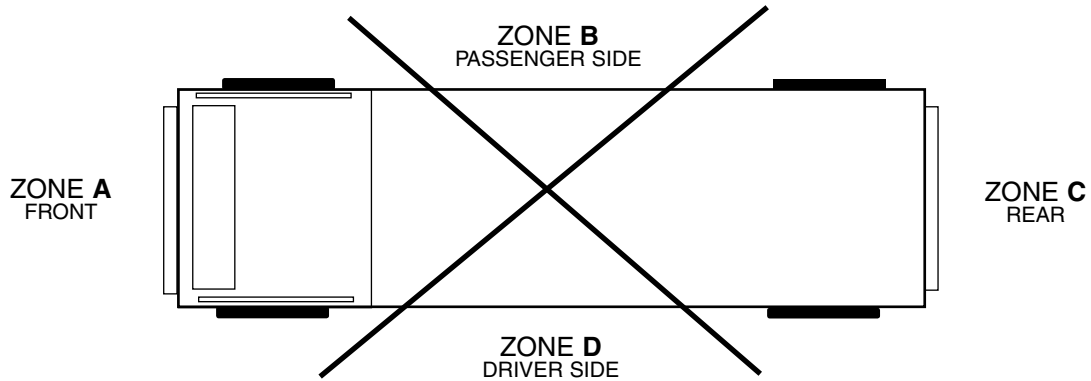
The distance from the mid-ship light to the front light or the rear light must not exceed a distance of 25 feet. As you can see, you will not exceed the 25 foot requirement from the mid-ship light to the front bumper light. If you exceed 25 feet, you must add an additional mid-ship light, for a total of four lower level lights.



NFPA 1901 Lighting Specifications

Minimum requirements

The warning system is configured to have two operating modes.
 Calling Right of Way (Responding) and Blocking Right of Way (At the Scene)



Large apparatus, defined as apparatus that has a bumper to bumper length of 25 feet or greater. Large apparatus has four (4) separate zones. Each of the four (4) zones are divided into an upper and lower level zones. In zone B, and D the lower level warning lights used cannot exceed a distance of 25 feet between the centers of adjacent lower level optical warning devices. If the optical warning devices exceed 25 feet, additional mid-ship optical devices are required. Refer to the NFPA 1901 Standard for Automotive Fire Apparatus 2009 Edition, Chapter 13 Low Voltage Electrical Systems and Warning Devices.

Large Apparatus - Greater than 25'

ZONE	LEVEL	CALLING FOR RIGHT OF WAY			BLOCKING RIGHT OF WAY		
		H	ANY H POINT	+/-5 ANY H	H	ANY H POINT	+/-5 ANY H
A	Upper	1,000,000	10,000	3,500	400,000	10,000	3,500
	Lower	150,000	3,750	1,300	150,000	3,750	1,300
B	Upper	400,000	10,000	3,500	400,000	10,000	3,500
	Lower	150,000	3,750	1,300	150,000	3,750	1,300
C	Upper	400,000	10,000	3,500	800,000	10,000	3,500
	Lower	150,000	3,750	1,300	150,000	3,750	1,300
D	Upper	400,000	10,000	3,500	400,000	10,000	3,500
	Lower	150,000	3,750	1,300	150,000	3,750	1,300

NOTE: All values are in candela-seconds/minute. H= Horizontal plane passing through the optical center.

Zone Colors

COLOR	CALLING FOR RIGHT OF WAY	BLOCKING RIGHT OF WAY
Red	Any Zone	Any Zone
Blue		
Amber	Any Zone except A FRONT	Not Permitted Any Zone
White	Any Zone except C REAR	

Small apparatus, defined as apparatus that has a bumper to bumper length of 25 feet or less. Small apparatus has four (4) separate zones. Each of the four (4) zones combined upper and lower level zones as one zone. Refer to the NFPA 1901 Standard for Automotive Fire Apparatus 2009 Edition, Chapter 13 Low Voltage Electrical Systems and Warning Devices.

Small Apparatus - Less than 25'

ZONE	LEVEL	CALLING FOR RIGHT OF WAY			BLOCKING RIGHT OF WAY		
		H	ANY H POINT	+/-5 ANY H	H	ANY H POINT	+/-5 ANY H
A	Upper & Lower Combined	1,000,000	10,000	3,500	400,000	10,000	3,500
B		200,000	8,000		200,000	8,000	
C		400,000	10,000		800,000	10,000	
D		200,000	8,000		200,000	8,000	

NOTE: All values are in candela-seconds/minute. H= Horizontal plane passing through the optical center.

Zone Colors

COLOR	CALLING FOR RIGHT OF WAY	BLOCKING RIGHT OF WAY
Red	Any Zone	Any Zone
Blue		
Amber	Any Zone except A FRONT	Not Permitted Any Zone
White	Any Zone except C REAR	

AERIAL PACKAGE 1

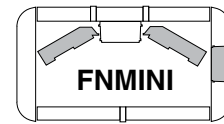
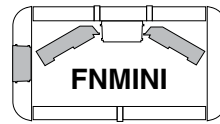
LED AND ROTATING HALOGEN LIGHTING

ZONE A UPPER

Choose 1 of the options below

Zone Photometric Requirement- 1,000,000 CSM

- Option 1** Two Model FNMINI Mini Freedom™ LED Lightbars, 24", clear outer lenses, mount straight or angled



ZONE A LOWER

Choose 1 of the options below

Zone Photometric Requirement- 150,000 CSM

- | | | | |
|--|--------------------------------------|---|---|
| <input type="checkbox"/> Option 1 Two M4R | M4 Series Linear Super-LED®, red | <input type="checkbox"/> Option 7 Two M4D | M4 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 2 One M4R | M4 Series Linear Super-LED, red, And | <input type="checkbox"/> Option 8 Two M4J | M4 Series Linear Super-LED, split red/blue |
| One M4B | M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 9 Two M7D | M7 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 3 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 10 Two M7J | M7 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 4 One M7R | M7 Series Linear Super-LED, red, And | <input type="checkbox"/> Option 11 Two M6D | M6 Series Linear Super-LED, split red/white |
| One M7B | M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 12 Two M6J | M6 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 5 Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 13 Two M6V2R | M6 V-Series™ Super-LED, red |
| <input type="checkbox"/> Option 6 One M6R | M6 Series Linear Super-LED, red, And | | |
| One M6B | M6 Series Linear Super-LED, blue | | |

ZONE B UPPER

Choose 1 of the options below

Zone Photometric Requirement- 400,000 CSM

Zone B Upper Front is covered by the lights from the Rear or Side of the Lightbar from Zone A Upper
Zone B Upper Rear is covered by one of the options chosen from Zone C Upper

ZONE B LOWER

Choose 1 of the options below

Zone Photometric Requirement- 150,000 CSM

- | | | | |
|--|---|---|---|
| <input type="checkbox"/> Option 1 Two M4R | M4 Series Linear Super-LED, red | <input type="checkbox"/> Option 9 Two M4K | M4 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 2 One M4R | M4 Series Linear Super-LED, red, And | <input type="checkbox"/> Option 10 Two M7D | M7 Series Linear Super-LED, split red/white |
| One M4B | M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 11 Two M7J | M7 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 3 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 12 Two M7K | M7 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 4 One M7R | M7 Series Linear Super-LED, red, And | <input type="checkbox"/> Option 13 Two M6D | M6 Series Linear Super-LED, split red/white |
| One M7B | M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 14 Two M6J | M6 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 5 Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 15 Two M6K | M6 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 6 One M6R | M6 Series Linear Super-LED, red, And | <input type="checkbox"/> Option 16 Two M6V2R | M6 V-Series™ Super-LED, red |
| One M6B | M6 Series Linear Super-LED, blue | | |
| <input type="checkbox"/> Option 7 Two M4D | M4 Series Linear Super-LED, split red/white | | |
| <input type="checkbox"/> Option 8 Two M4J | M4 Series Linear Super-LED, split red/blue | | |

ZONE C UPPER

Choose 1 of the options below

Zone Photometric Requirement- 800,000 CSM

- | | | | |
|---|--|---|--|
| <input type="checkbox"/> Option 1 Two R316RF | Rota-Beam™ Super-LED flat mount beacon, red | <input type="checkbox"/> Option 9 Two M6R | M6 Series Linear Super-LED, red |
| <input type="checkbox"/> Option 2 Two RB6TRP | RB6 Series Rotating Halogen Beacons, red | <input type="checkbox"/> Option 10 Two M9R | M9 Series Linear Super-LED, red |
| <input type="checkbox"/> Option 3 Two B6TMRR1P | RBT Series Halogen Upper Rotator, Lower Level, Linear Super-LED flasher, red | <input type="checkbox"/> Option 11 One M9R | M9 Series Linear Super-LED, red, And |
| | | One M9A | M9 Series Linear Super-LED, amber |
| <input type="checkbox"/> Option 4 Two B63M7RR | Rota Beam Super-LED Beacons upper section, M7 Super-LED lower section, red | <input type="checkbox"/> Option 12 One M9R | M9 Series Linear Super-LED, red, And |
| | | One M9B | M9 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 5 Two MCFLED2R | Micro Freedom™ Super-LED Lighthoods, red | <input type="checkbox"/> Option 13 One M6A | M6 Series Linear Super-LED, amber, And |
| <input type="checkbox"/> Option 6 Two L31HRFN | L31 Series Super-LED Beacons, red | One M6R | M6 Series Linear Super-LED, red |
| <input type="checkbox"/> Option 7 Two B6MMRRP | Super-LED Beacons Upper Section, Lower Level Linear Super-LED flasher, red | <input type="checkbox"/> Option 14 One M6R | M6 Series Linear Super-LED, red, And |
| | | One M6B | M6 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 8 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 15 Two M9V2R | M9 V-Series™ Super-LED, red |

AERIAL PACKAGE 1 (cont.)

LED AND ROTATING HALOGEN LIGHTING

This package meets all zone requirements of NFPA 1901 specifications.

ZONE C LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | | | |
|--|--------------------|--|---|-----------|---|
| <input type="checkbox"/> Option 1 | Two M4R | M4 Series Linear Super-LED, red | <input type="checkbox"/> Option 7 | Two M4J | M4 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 2 | One M4R
One M4B | M4 Series Linear Super-LED, red, And
M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 8 | Two M4K | M4 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 3 | Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 9 | Two M7J | M7 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 4 | One M7R
One M7B | M7 Series Linear Super-LED, red, And
M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 10 | Two M7K | M7 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 5 | Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 11 | Two M6J | M6 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 6 | One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue | <input type="checkbox"/> Option 12 | Two M6K | M6 Series Linear Super-LED, split red/amber |
| | | | <input type="checkbox"/> Option 13 | Two M6V2R | M6 V-Series™ Super-LED, red |

ZONE D UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

Zone D Upper Front is covered by the lights from the Rear or Side of the Lightbar from Zone A Upper
Zone D Upper Rear is covered by one of the options chosen from Zone C Upper

ZONE D LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | | | |
|--|--------------------|--|---|-----------|---|
| <input type="checkbox"/> Option 1 | Two M4R | M4 Series Linear Super-LED, red | <input type="checkbox"/> Option 8 | Two M4J | M4 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 2 | One M4R
One M4B | M4 Series Linear Super-LED, red, And
M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 9 | Two M4K | M4 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 3 | Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 10 | Two M7D | M7 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 4 | One M7R
One M7B | M7 Series Linear Super-LED, red, And
M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 11 | Two M7J | M7 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 5 | Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 12 | Two M7K | M7 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 6 | One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue | <input type="checkbox"/> Option 13 | Two M6D | M6 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 7 | Two M4D | M4 Series Linear Super-LED, split red/white | <input type="checkbox"/> Option 14 | Two M6J | M6 Series Linear Super-LED, split red/blue |
| | | | <input type="checkbox"/> Option 15 | Two M6K | M6 Series Linear Super-LED, split red/amber |
| | | | <input type="checkbox"/> Option 16 | Two M6V2R | M6 V-Series™ Super-LED, red |

M Series Lightheads are Surface Mount

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2014 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

_____ FIRE DEPARTMENT

_____ TRUCK NUMBER



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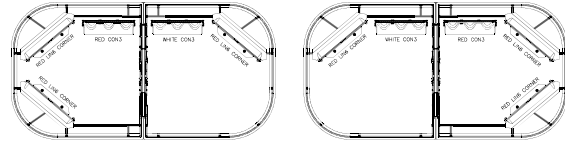
AERIAL PACKAGE 2

LED AND ROTATING HALOGEN LIGHTING

ZONE A UPPER

Zone Photometric Requirement- 1,000,000 CSM

- Option 1** Model JNMINI pair of Mini Justice® LED Lightbars, 24", with clear outer lenses



ZONE A LOWER

Choose 1 of the options below**Zone Photometric Requirement- 150,000 CSM**

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Option 1 Two M4R | M4 Series Linear Super-LED®, red | <input type="checkbox"/> Option 7 Two M4D | M4 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 2 One M4R
One M4B | M4 Series Linear Super-LED, red, And
M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 8 Two M4J | M4 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 3 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 9 Two M7D | M7 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 4 One M7R
One M7B | M7 Series Linear Super-LED, red, And
M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 10 Two M7J | M7 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 5 Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 11 Two M6D | M6 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 6 One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue | <input type="checkbox"/> Option 12 Two M6J | M6 Series Linear Super-LED, split red/blue |

ZONE B UPPER

Choose 1 of the options below**Zone Photometric Requirement- 400,000 CSM**

Zone B Upper Front is covered by one rotator from the Model JNMINI Lightbar from Zone A Upper
Zone B Upper Rear is covered by one of the options chosen from Zone C Upper

ZONE B LOWER

Choose 1 of the options below**Zone Photometric Requirement- 150,000 CSM**

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Option 1 Two M4R | M4 Series Linear Super-LED, red | <input type="checkbox"/> Option 8 Two M4J | M4 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 2 One M4R
One M4B | M4 Series Linear Super-LED, red, And
M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 9 Two M4K | M4 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 3 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 10 Two M7D | M7 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 4 One M7R
One M7B | M7 Series Linear Super-LED, red, And
M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 11 Two M7J | M7 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 5 Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 12 Two M7K | M7 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 6 One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue | <input type="checkbox"/> Option 13 Two M6D | M6 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 7 Two M4D | M4 Series Linear Super-LED, split red/white | <input type="checkbox"/> Option 14 Two M6J | M6 Series Linear Super-LED, split red/blue |
| | | <input type="checkbox"/> Option 15 Two M6K | M6 Series Linear Super-LED, split red/amber |
| | | <input type="checkbox"/> Option 16 Two M6V2R | M6 V-Series™ Super-LED, red |

ZONE C UPPER

Choose 1 of the options below**Zone Photometric Requirement- 800,000 CSM**

- | | | | |
|---|--|--|---|
| <input type="checkbox"/> Option 1 Two R316RF | Rota-Beam™ Super-LED flat mount beacon, red | <input type="checkbox"/> Option 9 Two M6R | M6 Series Linear Super-LED, red |
| <input type="checkbox"/> Option 2 Two RB6TRP | RB6 Series Rotating Halogen Beacons, red | <input type="checkbox"/> Option 10 Two M9R | M9 Series Linear Super-LED, red |
| <input type="checkbox"/> Option 3 Two B6TMRR1P | RBT Series Halogen Upper Rotator,
Lower Level, Linear Super-LED® flasher, red | <input type="checkbox"/> Option 11 One M9R
One M9A | M9 Series Linear Super-LED, red, And
M9 Series Linear Super-LED, amber |
| <input type="checkbox"/> Option 4 Two B63M7RR | Rota Beam Super-LED Beacons upper section,
M7 Super-LED lower section, red | <input type="checkbox"/> Option 12 One M9R
One M9B | M9 Series Linear Super-LED, red, And
M9 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 5 Two MCFLED2R | Micro Freedom™ Super-LED Lighthoods, red | <input type="checkbox"/> Option 13 One M6A
One M6R | M6 Series Linear Super-LED, amber, And
M6 Series Linear Super-LED, red |
| <input type="checkbox"/> Option 6 Two L31HRFN | L31 Series Super-LED Beacons, red | <input type="checkbox"/> Option 14 One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 7 Two B6MMRRP | Super-LED Beacons Upper Section,
Lower Level Linear Super-LED flasher, red | <input type="checkbox"/> Option 15 Two M9V2R | M9 V-Series™ Super-LED, red |
| <input type="checkbox"/> Option 8 Two M7R | M7 Series Linear Super-LED, red | | |

AERIAL PACKAGE 2 (cont.)

This package meets all zone requirements of NFPA 1901 specifications.

LED AND ROTATING HALOGEN LIGHTING

ZONE C LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | | | |
|--|--------------------|--|---|-----------|---|
| <input type="checkbox"/> Option 1 | Two M4R | M4 Series Linear Super-LED, red | <input type="checkbox"/> Option 7 | Two M4J | M4 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 2 | One M4R
One M4B | M4 Series Linear Super-LED, red, And
M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 8 | Two M4K | M4 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 3 | Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 9 | Two M7J | M7 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 4 | One M7R
One M7B | M7 Series Linear Super-LED, red, And
M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 10 | Two M7K | M7 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 5 | Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 11 | Two M6J | M6 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 6 | One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue | <input type="checkbox"/> Option 12 | Two M6K | M6 Series Linear Super-LED, split red/amber |
| | | | <input type="checkbox"/> Option 13 | Two M6V2R | M6 V-Series™ Super-LED, red |

ZONE D UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

Zone D Upper Front is covered by one rotator from the Model JNMINI Lightbar from Zone A Upper
 Zone D Upper Rear is covered by one of the options chosen from Zone C Upper

ZONE D LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | | | |
|--|--------------------|--|---|-----------|---|
| <input type="checkbox"/> Option 1 | Two M4R | M4 Series Linear Super-LED, red | <input type="checkbox"/> Option 8 | Two M4J | M4 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 2 | One M4R
One M4B | M4 Series Linear Super-LED, red, And
M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 9 | Two M4K | M4 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 3 | Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 10 | Two M7D | M7 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 4 | One M7R
One M7B | M7 Series Linear Super-LED, red, And
M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 11 | Two M7J | M7 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 5 | Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 12 | Two M7K | M7 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 6 | One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue | <input type="checkbox"/> Option 13 | Two M6D | M6 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 7 | Two M4D | M4 Series Linear Super-LED, split red/white | <input type="checkbox"/> Option 14 | Two M6J | M6 Series Linear Super-LED, split red/blue |
| | | | <input type="checkbox"/> Option 15 | Two M6K | M6 Series Linear Super-LED, split red/amber |
| | | | <input type="checkbox"/> Option 16 | Two M6V2R | M6 V-Series™ Super-LED, red |

M Series Lightheads are Surface Mount

CERTIFICATE OF COMPLIANCE WITH NFPA 1901 To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2014 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

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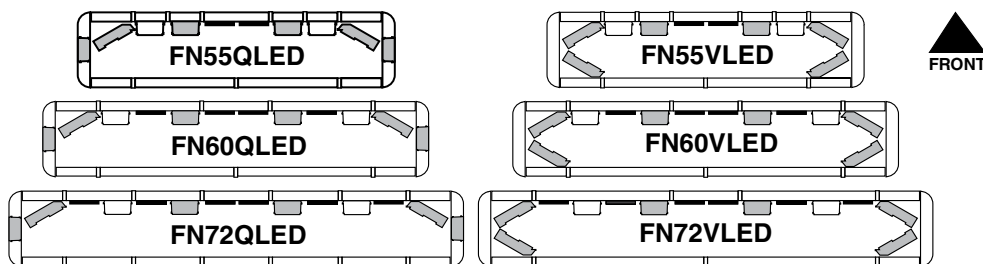
PUMPER PACKAGE 1

LED AND ROTATING HALOGEN LIGHTING

ZONE A UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 1,000,000 CSM**

- Option 1** One FN55QLED NFPA Freedom™ LED Lightbar, clear outer lenses, std. 55"
- Option 2** One FN60QLED NFPA Freedom LED Lightbar, clear outer lenses, std. 60"
- Option 3** One FN72QLED NFPA Freedom LED Lightbar, clear outer lenses, std. 72"

- Option 4** One FN55VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 55"
- Option 5** One FN60VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 60"
- Option 6** One FN72VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 72"



ZONE A LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Option 1 Two M4R | M4 Series Linear Super-LED®, red | <input type="checkbox"/> Option 7 Two M4D | M4 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 2 One M4R
One M4B | M4 Series Linear Super-LED, red, And
M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 8 Two M4J | M4 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 3 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 9 Two M7D | M7 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 4 One M7R
One M7B | M7 Series Linear Super-LED, red, And
M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 10 Two M7J | M7 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 5 Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 11 Two M6D | M6 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 6 One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue | <input type="checkbox"/> Option 12 Two M6J | M6 Series Linear Super-LED, split red/blue |
| | | <input type="checkbox"/> Option 13 Two M6V2R | M6 V-Series™ Super-LED, red |

ZONE B UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

Zone B Upper Front is covered by the lights from the Rear or Side of the Lightbar from Zone A Upper
 Zone B Upper Rear is covered by one of the options chosen from Zone C Upper

ZONE B LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Option 1 Two M4R | M4 Series Linear Super-LED, red | <input type="checkbox"/> Option 8 Two M4J | M4 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 2 One M4R
One M4B | M4 Series Linear Super-LED, red, And
M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 9 Two M4K | M4 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 3 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 10 Two M7D | M7 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 4 One M7R
One M7B | M7 Series Linear Super-LED, red, And
M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 11 Two M7J | M7 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 5 Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 12 Two M7K | M7 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 6 One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue | <input type="checkbox"/> Option 13 Two M6D | M6 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 7 Two M4D | M4 Series Linear Super-LED, split red/white | <input type="checkbox"/> Option 14 Two M6J | M6 Series Linear Super-LED, split red/blue |
| | | <input type="checkbox"/> Option 15 Two M6K | M6 Series Linear Super-LED, split red/amber |
| | | <input type="checkbox"/> Option 16 Two M6V2R | M6 V-Series™ Super-LED, red |

PUMPER PACKAGE 1 (cont.)

LED AND ROTATING HALOGEN LIGHTING

This package meets all zone requirements of NFPA 1901 specifications.

ZONE C UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 800,000 CSM**

- | | | | | | |
|--|--------------|--|---|--------------------|---|
| <input type="checkbox"/> Option 1 | Two R316RF | Rota-Beam™ Super-LED flat mount beacon, red | <input type="checkbox"/> Option 10 | Two M9R | M9 Series Linear Super-LED, red |
| <input type="checkbox"/> Option 2 | Two RB6TRP | RB6 Series Rotating Halogen Beacons, red | <input type="checkbox"/> Option 11 | One M9R
One M9A | M9 Series Linear Super-LED, red, And
M9 Series Linear Super-LED, amber |
| <input type="checkbox"/> Option 3 | Two B6TMRR1P | RBT Series Halogen Upper Rotator,
Lower Level, Linear Super-LED® flasher, red | <input type="checkbox"/> Option 12 | One M9R
One M9B | M9 Series Linear Super-LED, red, And
M9 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 4 | Two B63M7RR | Rota Beam Super-LED Beacons upper section,
M7 Super-LED lower section, red | <input type="checkbox"/> Option 13 | One M6A
One M6R | M6 Series Linear Super-LED, amber, And
M6 Series Linear Super-LED, red |
| <input type="checkbox"/> Option 5 | Two MCFLED2R | Micro Freedom™ Super-LED Lighthoods, red | <input type="checkbox"/> Option 14 | One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 6 | Two L31HRFN | L31 Series Super-LED Beacons, red | <input type="checkbox"/> Option 15 | Two M9V2R | M9 V-Series™ Super-LED, red |
| <input type="checkbox"/> Option 7 | Two B6MMRRP | Super-LED Beacons Upper Section,
Lower Level Linear Super-LED flasher, red | | | |
| <input type="checkbox"/> Option 8 | Two M7R | M7 Series Linear Super-LED, red | | | |
| <input type="checkbox"/> Option 9 | Two M6R | M6 Series Linear Super-LED, red | | | |

ZONE C LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | | | |
|--|--------------------|--|---|-----------|---|
| <input type="checkbox"/> Option 1 | Two M4R | M4 Series Linear Super-LED, red | <input type="checkbox"/> Option 7 | Two M4J | M4 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 2 | One M4R
One M4B | M4 Series Linear Super-LED, red, And
M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 8 | Two M4K | M4 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 3 | Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 9 | Two M7J | M7 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 4 | One M7R
One M7B | M7 Series Linear Super-LED, red, And
M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 10 | Two M7K | M7 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 5 | Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 11 | Two M6J | M6 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 6 | One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue | <input type="checkbox"/> Option 12 | Two M6K | M6 Series Linear Super-LED, split red/amber |
| | | | <input type="checkbox"/> Option 13 | Two M6V2R | M6 V-Series™ Super-LED, red |

ZONE D UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

Zone D Upper Front is covered by the lights from the Rear or Side of the Lightbar from Zone A Upper
Zone D Upper Rear is covered by one of the options chosen from Zone C Upper

ZONE D LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | | | |
|--|--------------------|--|---|-----------|---|
| <input type="checkbox"/> Option 1 | Two M4R | M4 Series Linear Super-LED, red | <input type="checkbox"/> Option 8 | Two M4J | M4 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 2 | One M4R
One M4B | M4 Series Linear Super-LED, red, And
M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 9 | Two M4K | M4 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 3 | Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 10 | Two M7D | M7 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 4 | One M7R
One M7B | M7 Series Linear Super-LED, red, And
M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 11 | Two M7J | M7 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 5 | Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 12 | Two M7K | M7 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 6 | One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue | <input type="checkbox"/> Option 13 | Two M6D | M6 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 7 | Two M4D | M4 Series Linear Super-LED, split red/white | <input type="checkbox"/> Option 14 | Two M6J | M6 Series Linear Super-LED, split red/blue |
| | | | <input type="checkbox"/> Option 15 | Two M6K | M6 Series Linear Super-LED, split red/amber |
| | | | <input type="checkbox"/> Option 16 | Two M6V2R | M6 V-Series™ Super-LED, red |

M Series Lighthoods are Surface Mount

CERTIFICATE OF COMPLIANCE WITH NFPA 1901 To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2014 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

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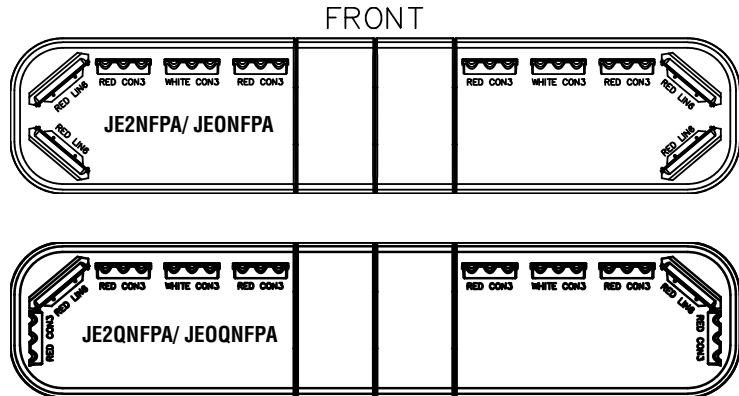
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PUMPER PACKAGE 2

LED AND ROTATING HALOGEN LIGHTING

ZONE A UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 1,000,000 CSM**

- Option 1** One Model JE2NFPA NFPA Justice® Lightbar with angled corners and clear outer lenses, 56"
- Option 2** One Model JE0NFPA NFPA Justice Lightbar with angled corners and clear outer lenses, 62"
- Option 3** One Model JE2QNFPA NFPA Justice Lightbar with square corners and clear outer lenses, 56"
- Option 4** One Model JE0QNFPA NFPA Justice Lightbar with square corners and clear outer lenses, 62"



ZONE A LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | |
|--|--------------------------------------|---|---|
| <input type="checkbox"/> Option 1 Two M4R | M4 Series Linear Super-LED®, red | <input type="checkbox"/> Option 7 Two M4D | M4 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 2 One M4R | M4 Series Linear Super-LED, red, And | <input type="checkbox"/> Option 8 Two M4J | M4 Series Linear Super-LED, split red/blue |
| One M4B | M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 9 Two M7D | M7 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 3 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 10 Two M7J | M7 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 4 One M7R | M7 Series Linear Super-LED, red, And | <input type="checkbox"/> Option 11 Two M6D | M6 Series Linear Super-LED, split red/white |
| One M7B | M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 12 Two M6J | M6 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 5 Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 13 Two M6V2R | M6 V-Series™ Super-LED, red |
| <input type="checkbox"/> Option 6 One M6R | M6 Series Linear Super-LED, red, And | | |
| One M6B | M6 Series Linear Super-LED, blue | | |

ZONE B UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

Zone B Upper Front is covered by one rotator from the Lightbar from Zone A Upper
 Zone B Upper Rear is covered by one of the options chosen from Zone C Upper

ZONE B LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | |
|--|--------------------------------------|---|---|
| <input type="checkbox"/> Option 1 Two M4R | M4 Series Linear Super-LED®, red | <input type="checkbox"/> Option 7 Two M4D | M4 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 2 One M4R | M4 Series Linear Super-LED, red, And | <input type="checkbox"/> Option 8 Two M4J | M4 Series Linear Super-LED, split red/blue |
| One M4B | M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 9 Two M4K | M4 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 3 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 10 Two M7D | M7 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 4 One M7R | M7 Series Linear Super-LED, red, And | <input type="checkbox"/> Option 11 Two M7J | M7 Series Linear Super-LED, split red/blue |
| One M7B | M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 12 Two M7K | M7 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 5 Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 13 Two M6D | M6 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 6 One M6R | M6 Series Linear Super-LED, red, And | <input type="checkbox"/> Option 14 Two M6J | M6 Series Linear Super-LED, split red/blue |
| One M6B | M6 Series Linear Super-LED, blue | <input type="checkbox"/> Option 15 Two M6K | M6 Series Linear Super-LED, split red/amber |

PUMPER PACKAGE 2 (cont.)

LED AND ROTATING HALOGEN LIGHTING

ZONE C UPPER	Choose 1 of the options below	Zone Photometric Requirement- 800,000 CSM
<input type="checkbox"/> Option 1 Two R316RF	Rota-Beam™ Super-LED flat mount beacon, red	<input type="checkbox"/> Option 11 One M9R One M9A
<input type="checkbox"/> Option 2 Two RB6TRP	RB6 Series Rotating Halogen Beacons, red	<input type="checkbox"/> Option 12 One M9R One M9B
<input type="checkbox"/> Option 3 Two B6TMRR1P	RBT Series Halogen Upper Rotator, Lower Level, Linear Super-LED® flasher, red	<input type="checkbox"/> Option 13 One M6A One M6R
<input type="checkbox"/> Option 4 Two B63M7RR	Rota Beam Super-LED Beacons upper section, M7 Super-LED lower section, red	<input type="checkbox"/> Option 14 One M6R One M6B
<input type="checkbox"/> Option 5 Two MCFLED2R	Micro Freedom™ Super-LED Lighthoods, red	<input type="checkbox"/> Option 15 Two M9V2R
<input type="checkbox"/> Option 6 Two L31HRFN	L31 Series Super-LED Beacons, red	M9 Series Linear Super-LED, red, And M9 Series Linear Super-LED, amber
<input type="checkbox"/> Option 7 Two B6MMRRP	Super-LED Beacons Upper Section, Lower Level Linear Super-LED flasher, red	M9 Series Linear Super-LED, red, And M9 Series Linear Super-LED, blue
<input type="checkbox"/> Option 8 Two M7R	M7 Series Linear Super-LED, red	M6 Series Linear Super-LED, amber, And M6 Series Linear Super-LED, red
<input type="checkbox"/> Option 9 Two M6R	M6 Series Linear Super-LED, red	M6 Series Linear Super-LED, red, And M6 Series Linear Super-LED, blue
<input type="checkbox"/> Option 10 Two M9R	M9 Series Linear Super-LED, red	M9 V-Series™ Super-LED, red

ZONE C LOWER	Choose 1 of the options below	Zone Photometric Requirement- 150,000 CSM
<input type="checkbox"/> Option 1 Two M4R	M4 Series Linear Super-LED, red	<input type="checkbox"/> Option 7 Two M4J
<input type="checkbox"/> Option 2 One M4R One M4B	M4 Series Linear Super-LED, red, And M4 Series Linear Super-LED, blue	<input type="checkbox"/> Option 8 Two M4K
<input type="checkbox"/> Option 3 Two M7R	M7 Series Linear Super-LED, red	<input type="checkbox"/> Option 9 Two M7J
<input type="checkbox"/> Option 4 One M7R One M7B	M7 Series Linear Super-LED, red, And M7 Series Linear Super-LED, blue	<input type="checkbox"/> Option 10 Two M7K
<input type="checkbox"/> Option 5 Two M6R	M6 Series Linear Super-LED, red	<input type="checkbox"/> Option 11 Two M6J
<input type="checkbox"/> Option 6 One M6R One M6B	M6 Series Linear Super-LED, red, And M6 Series Linear Super-LED, blue	<input type="checkbox"/> Option 12 Two M6K
		<input type="checkbox"/> Option 13 Two M6V2R
		M4 Series Linear Super-LED, split red/blue
		M4 Series Linear Super-LED, split red/amber
		M7 Series Linear Super-LED, split red/blue
		M7 Series Linear Super-LED, split red/amber
		M6 Series Linear Super-LED, split red/blue
		M6 Series Linear Super-LED, split red/amber
		M6 V-Series™ Super-LED, red

ZONE D UPPER	Choose 1 of the options below	Zone Photometric Requirement- 400,000 CSM
<p>Zone D Upper Front is covered by one rotator from the Lightbar from Zone A Upper Zone D Upper Rear is covered by one of the options chosen from Zone C Upper</p>		

ZONE D LOWER	Choose 1 of the options below	Zone Photometric Requirement- 150,000 CSM
<input type="checkbox"/> Option 1 Two M4R	M4 Series Linear Super-LED, red	<input type="checkbox"/> Option 8 Two M4J
<input type="checkbox"/> Option 2 One M4R One M4B	M4 Series Linear Super-LED, red, And M4 Series Linear Super-LED, blue	<input type="checkbox"/> Option 9 Two M4K
<input type="checkbox"/> Option 3 Two M7R	M7 Series Linear Super-LED, red	<input type="checkbox"/> Option 10 Two M7D
<input type="checkbox"/> Option 4 One M7R One M7B	M7 Series Linear Super-LED, red, And M7 Series Linear Super-LED, blue	<input type="checkbox"/> Option 11 Two M7J
<input type="checkbox"/> Option 5 Two M6R	M6 Series Linear Super-LED, red	<input type="checkbox"/> Option 12 Two M7K
<input type="checkbox"/> Option 6 One M6R One M6B	M6 Series Linear Super-LED, red, And M6 Series Linear Super-LED, blue	<input type="checkbox"/> Option 13 Two M6D
<input type="checkbox"/> Option 7 Two M4D	M4 Series Linear Super-LED, split red/white	<input type="checkbox"/> Option 14 Two M6J
		<input type="checkbox"/> Option 15 Two M6K
		<input type="checkbox"/> Option 16 Two M6V2R
		M4 Series Linear Super-LED, split red/blue
		M4 Series Linear Super-LED, split red/amber
		M7 Series Linear Super-LED, split red/white
		M7 Series Linear Super-LED, split red/blue
		M7 Series Linear Super-LED, split red/amber
		M6 Series Linear Super-LED, split red/white
		M6 Series Linear Super-LED, split red/blue
		M6 Series Linear Super-LED, split red/amber
		M6 V-Series™ Super-LED, red

M Series Lighthoods are Surface Mount

CERTIFICATE OF COMPLIANCE WITH NFPA 1901 To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2014 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

FIRE DEPARTMENT

TRUCK NUMBER

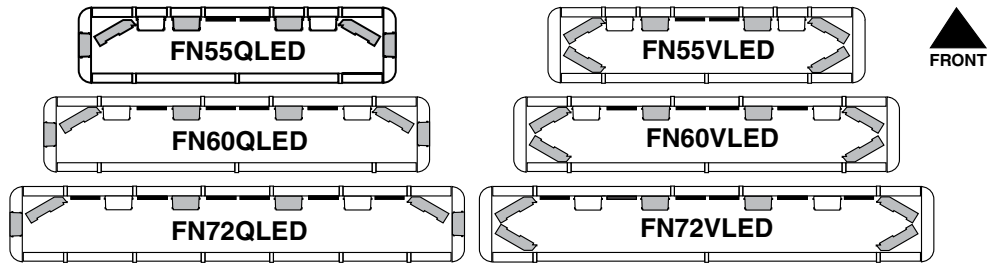


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RESCUE PACKAGE 1**LED LIGHTING****ZONE A UPPER****Choose 1 of the options below****Zone Photometric Requirement- 1,000,000 CSM**

- Option 1** One FN55QLED NFPA Freedom™ LED Lightbar, clear outer lenses, std. 55"
 Option 2 One FN60QLED NFPA Freedom LED Lightbar, clear outer lenses, std. 60"
 Option 3 One FN72QLED NFPA Freedom LED Lightbar, clear outer lenses, std. 72"
- Option 4** One FN55VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 55"
 Option 5 One FN60VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 60"
 Option 6 One FN72VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 72"

**ZONE A LOWER****Choose 1 of the options below****Zone Photometric Requirement- 150,000 CSM**

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Option 1 Two M4R | M4 Series Linear Super-LED®, red | <input type="checkbox"/> Option 7 Two M4D | M4 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 2 One M4R
One M4B | M4 Series Linear Super-LED, red, And
M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 8 Two M4J | M4 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 3 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 9 Two M7D | M7 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 4 One M7R
One M7B | M7 Series Linear Super-LED, red, And
M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 10 Two M7J | M7 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 5 Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 11 Two M6D | M6 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 6 One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue | <input type="checkbox"/> Option 12 Two M6J | M6 Series Linear Super-LED, split red/blue |
| | | <input type="checkbox"/> Option 13 Two M6V2R | M6 V-Series™ Super-LED, red |

ZONE B UPPER**Choose 1 of the options below****Zone Photometric Requirement- 400,000 CSM**

- | | | | |
|---|---|---|---|
| <input type="checkbox"/> Option 1 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 6 One M6A
One M6R | M6 Series Linear Super-LED, amber, And
M6 Series Linear Super-LED, red |
| <input type="checkbox"/> Option 2 Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 7 One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 3 Two M9R | M9 Series Linear Super-LED, red | <input type="checkbox"/> Option 8 Two M9B | M9 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 4 One M9R
One M9A | M9 Series Linear Super-LED, red, And
M9 Series Linear Super-LED, amber | <input type="checkbox"/> Option 9 Two M6B | M6 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 5 One M9R
One M9B | M9 Series Linear Super-LED, red, And
M9 Series Linear Super-LED, blue | | |

ZONE B LOWER**Choose 1 of the options below****Zone Photometric Requirement- 150,000 CSM**

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Option 1 Two M4R | M4 Series Linear Super-LED®, red | <input type="checkbox"/> Option 8 Two M4J | M4 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 2 One M4R
One M4B | M4 Series Linear Super-LED, red, And
M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 9 Two M4K | M4 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 3 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 10 Two M7D | M7 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 4 One M7R
One M7B | M7 Series Linear Super-LED, red, And
M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 11 Two M7J | M7 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 5 Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 12 Two M7K | M7 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 6 One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue | <input type="checkbox"/> Option 13 Two M6D | M6 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 7 Two M4D | M4 Series Linear Super-LED, split red/white | <input type="checkbox"/> Option 14 Two M6J | M6 Series Linear Super-LED, split red/blue |
| | | <input type="checkbox"/> Option 15 Two M6K | M6 Series Linear Super-LED, split red/amber |
| | | <input type="checkbox"/> Option 16 Two M6V2R | M6 V-Series™ Super-LED, red |

RESCUE PACKAGE 1 (cont.)

LED LIGHTING

ZONE C UPPER	Choose 1 of the options below	Zone Photometric Requirement- 800,000 CSM
<input type="checkbox"/> Option 1	Two M7R M7 Series Linear Super-LED®, red	<input type="checkbox"/> Option 6
<input type="checkbox"/> Option 2	Two M6R M6 Series Linear Super-LED, red	One M6A One M6R M6 Series Linear Super-LED, amber, And M6 Series Linear Super-LED, red
<input type="checkbox"/> Option 3	Two M9R M9 Series Linear Super-LED, red	<input type="checkbox"/> Option 7
<input type="checkbox"/> Option 4	One M9R One M9A M9 Series Linear Super-LED, red, And M9 Series Linear Super-LED, amber	One M6R One M6B M6 Series Linear Super-LED, red, And M6 Series Linear Super-LED, blue
<input type="checkbox"/> Option 5	One M9R One M9B M9 Series Linear Super-LED, red, And M9 Series Linear Super-LED, blue	<input type="checkbox"/> Option 8
		Two M9V2R M9 V-Series™ Super-LED, red

ZONE C LOWER	Choose 1 of the options below	Zone Photometric Requirement- 150,000 CSM
<input type="checkbox"/> Option 1	Two M4R M4 Series Linear Super-LED, red	<input type="checkbox"/> Option 7
<input type="checkbox"/> Option 2	One M4R One M4B M4 Series Linear Super-LED, red, And M4 Series Linear Super-LED, blue	Two M4J M4 Series Linear Super-LED, split red/blue
<input type="checkbox"/> Option 3	Two M7R M7 Series Linear Super-LED, red	<input type="checkbox"/> Option 8
<input type="checkbox"/> Option 4	One M7R One M7B M7 Series Linear Super-LED, red, And M7 Series Linear Super-LED, blue	Two M4K M4 Series Linear Super-LED, split red/amber
<input type="checkbox"/> Option 5	Two M6R M6 Series Linear Super-LED, red	<input type="checkbox"/> Option 9
<input type="checkbox"/> Option 6	One M6R One M6B M6 Series Linear Super-LED, red, And M6 Series Linear Super-LED, blue	Two M7J M7 Series Linear Super-LED, split red/blue
		<input type="checkbox"/> Option 10
		Two M7K M7 Series Linear Super-LED, split red/amber
		<input type="checkbox"/> Option 11
		Two M6J M6 Series Linear Super-LED, split red/blue
		<input type="checkbox"/> Option 12
		Two M6K M6 Series Linear Super-LED, split red/amber
		<input type="checkbox"/> Option 13
		Two M6V2R M6 V-Series™ Super-LED, red

ZONE D UPPER	Choose 1 of the options below	Zone Photometric Requirement- 400,000 CSM
<input type="checkbox"/> Option 1	Two M7R M7 Series Linear Super-LED, red	<input type="checkbox"/> Option 6
<input type="checkbox"/> Option 2	Two M6R M6 Series Linear Super-LED, red	One M6A One M6R M6 Series Linear Super-LED, amber, And M6 Series Linear Super-LED, red
<input type="checkbox"/> Option 3	Two M9R M9 Series Linear Super-LED, red	<input type="checkbox"/> Option 7
<input type="checkbox"/> Option 4	One M9R One M9A M9 Series Linear Super-LED, red, And M9 Series Linear Super-LED, amber	One M6R One M6B M6 Series Linear Super-LED, red, And M6 Series Linear Super-LED, blue
<input type="checkbox"/> Option 5	One M9R One M9B M9 Series Linear Super-LED, red, And M9 Series Linear Super-LED, blue	<input type="checkbox"/> Option 8
		Two M9B M9 Series Linear Super-LED, blue
		<input type="checkbox"/> Option 9
		Two M6B M6 Series Linear Super-LED, blue

ZONE D LOWER	Choose 1 of the options below	Zone Photometric Requirement- 150,000 CSM
<input type="checkbox"/> Option 1	Two M4R M4 Series Linear Super-LED, red	<input type="checkbox"/> Option 8
<input type="checkbox"/> Option 2	One M4R One M4B M4 Series Linear Super-LED, red, And M4 Series Linear Super-LED, blue	Two M4J M4 Series Linear Super-LED, split red/blue
<input type="checkbox"/> Option 3	Two M7R M7 Series Linear Super-LED, red	<input type="checkbox"/> Option 9
<input type="checkbox"/> Option 4	One M7R One M7B M7 Series Linear Super-LED, red, And M7 Series Linear Super-LED, blue	Two M4K M4 Series Linear Super-LED, split red/amber
<input type="checkbox"/> Option 5	Two M6R M6 Series Linear Super-LED, red	<input type="checkbox"/> Option 10
<input type="checkbox"/> Option 6	One M6R One M6B M6 Series Linear Super-LED, red, And M6 Series Linear Super-LED, blue	Two M7D M7 Series Linear Super-LED, split red/white
<input type="checkbox"/> Option 7	Two M4D M4 Series Linear Super-LED, split red/white	<input type="checkbox"/> Option 11
		Two M7J M7 Series Linear Super-LED, split red/blue
		<input type="checkbox"/> Option 12
		Two M7K M7 Series Linear Super-LED, split red/amber
		<input type="checkbox"/> Option 13
		Two M6D M6 Series Linear Super-LED, split red/white
		<input type="checkbox"/> Option 14
		Two M6J M6 Series Linear Super-LED, split red/blue
		<input type="checkbox"/> Option 15
		Two M6K M6 Series Linear Super-LED, split red/amber
		<input type="checkbox"/> Option 16
		Two M6V2R M6 V-Series™ Super-LED, red

M Series Lightheads are Surface Mount

CERTIFICATE OF COMPLIANCE WITH NFPA 1901 To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2014 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

FIRE DEPARTMENT

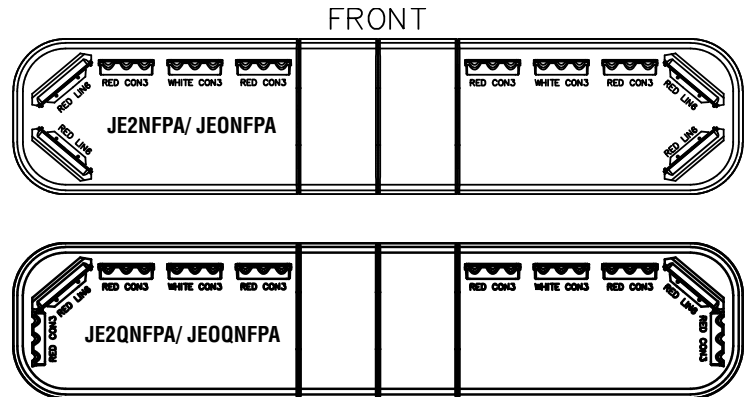
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RESCUE PACKAGE 2**LED LIGHTING****ZONE A UPPER****Choose 1 of the options below****Zone Photometric Requirement- 1,000,000 CSM**

- Option 1** One Model JE2NFPA NFPA Justice® Lightbar with angled corners and clear outer lenses, 56"
- Option 2** One Model JEONFPA NFPA Justice Lightbar with angled corners and clear outer lenses, 62"
- Option 3** One Model JE2QNFPFA NFPA Justice Lightbar with square corners and clear outer lenses, 56"
- Option 4** One Model JE0QNFPFA NFPA Justice Lightbar with square corners and clear outer lenses, 62"

**ZONE A LOWER****Choose 1 of the options below****Zone Photometric Requirement- 150,000 CSM**

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Option 1 Two M4R | M4 Series Linear Super-LED®, red | <input type="checkbox"/> Option 7 Two M4D | M4 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 2 One M4R
One M4B | M4 Series Linear Super-LED, red, And
M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 8 Two M4J | M4 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 3 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 9 Two M7D | M7 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 4 One M7R
One M7B | M7 Series Linear Super-LED, red, And
M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 10 Two M7J | M7 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 5 Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 11 Two M6D | M6 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 6 One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue | <input type="checkbox"/> Option 12 Two M6J | M6 Series Linear Super-LED, split red/blue |
| | | <input type="checkbox"/> Option 13 Two M6V2R | M6 V-Series™ Super-LED, red |

ZONE B UPPER**Choose 1 of the options below****Zone Photometric Requirement- 400,000 CSM**

- | | | | |
|---|---|---|---|
| <input type="checkbox"/> Option 1 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 6 One M6A
One M6R | M6 Series Linear Super-LED, amber, And
M6 Series Linear Super-LED, red |
| <input type="checkbox"/> Option 2 Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 7 One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 3 Two M9R | M9 Series Linear Super-LED, red | <input type="checkbox"/> Option 8 Two M9B | M9 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 4 One M9R
One M9A | M9 Series Linear Super-LED, red, And
M9 Series Linear Super-LED, amber | <input type="checkbox"/> Option 9 Two M6B | M6 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 5 One M9R
One M9B | M9 Series Linear Super-LED, red, And
M9 Series Linear Super-LED, blue | | |

ZONE B LOWER**Choose 1 of the options below****Zone Photometric Requirement- 150,000 CSM**

- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Option 1 Two M4R | M4 Series Linear Super-LED®, red | <input type="checkbox"/> Option 8 Two M4J | M4 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 2 One M4R
One M4B | M4 Series Linear Super-LED, red, And
M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 9 Two M4K | M4 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 3 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 10 Two M7D | M7 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 4 One M7R
One M7B | M7 Series Linear Super-LED, red, And
M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 11 Two M7J | M7 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 5 Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 12 Two M7K | M7 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 6 One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue | <input type="checkbox"/> Option 13 Two M6D | M6 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 7 Two M4D | M4 Series Linear Super-LED, split red/white | <input type="checkbox"/> Option 14 Two M6J | M6 Series Linear Super-LED, split red/blue |
| | | <input type="checkbox"/> Option 15 Two M6K | M6 Series Linear Super-LED, split red/amber |
| | | <input type="checkbox"/> Option 16 Two M6V2R | M6 V-Series™ Super-LED, red |

RESCUE PACKAGE 2 (cont.)

LED LIGHTING

ZONE C UPPER

Choose 1 of the options below

Zone Photometric Requirement- 800,000 CSM

- | | | | | | |
|-----------------------------------|--------------------|---|-----------------------------------|--------------------|---|
| <input type="checkbox"/> Option 1 | Two M7R | M7 Series Linear Super-LED®, red | <input type="checkbox"/> Option 6 | One M6A
One M6R | M6 Series Linear Super-LED, amber, And
M6 Series Linear Super-LED, red |
| <input type="checkbox"/> Option 2 | Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 7 | One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 3 | Two M9R | M9 Series Linear Super-LED, red | <input type="checkbox"/> Option 8 | Two M9V2R | M9 V-Series™ Super-LED, red |
| <input type="checkbox"/> Option 4 | One M9R
One M9A | M9 Series Linear Super-LED, red, And
M9 Series Linear Super-LED, amber | | | |
| <input type="checkbox"/> Option 5 | One M9R
One M9B | M9 Series Linear Super-LED, red, And
M9 Series Linear Super-LED, blue | | | |

ZONE C LOWER

Choose 1 of the options below

Zone Photometric Requirement- 150,000 CSM

- | | | | | | |
|-----------------------------------|--------------------|--|------------------------------------|-----------|---|
| <input type="checkbox"/> Option 1 | Two M4R | M4 Series Linear Super-LED, red | <input type="checkbox"/> Option 7 | Two M4J | M4 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 2 | One M4R
One M4B | M4 Series Linear Super-LED, red, And
M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 8 | Two M4K | M4 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 3 | Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 9 | Two M7J | M7 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 4 | One M7R
One M7B | M7 Series Linear Super-LED, red, And
M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 10 | Two M7K | M7 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 5 | Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 11 | Two M6J | M6 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 6 | One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue | <input type="checkbox"/> Option 12 | Two M6K | M6 Series Linear Super-LED, split red/amber |
| | | | <input type="checkbox"/> Option 13 | Two M6V2R | M6 V-Series™ Super-LED, red |

ZONE D UPPER

Choose 1 of the options below

Zone Photometric Requirement- 400,000 CSM

- | | | | | | |
|-----------------------------------|--------------------|---|-----------------------------------|--------------------|---|
| <input type="checkbox"/> Option 1 | Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 6 | One M6A
One M6R | M6 Series Linear Super-LED, amber, And
M6 Series Linear Super-LED, red |
| <input type="checkbox"/> Option 2 | Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 7 | One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 3 | Two M9R | M9 Series Linear Super-LED, red | <input type="checkbox"/> Option 8 | Two M9B | M9 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 4 | One M9R
One M9A | M9 Series Linear Super-LED, red, And
M9 Series Linear Super-LED, amber | <input type="checkbox"/> Option 9 | Two M6B | M6 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 5 | One M9R
One M9B | M9 Series Linear Super-LED, red, And
M9 Series Linear Super-LED, blue | | | |

ZONE D LOWER

Choose 1 of the options below

Zone Photometric Requirement- 150,000 CSM

- | | | | | | |
|-----------------------------------|--------------------|--|------------------------------------|-----------|---|
| <input type="checkbox"/> Option 1 | Two M4R | M4 Series Linear Super-LED, red | <input type="checkbox"/> Option 8 | Two M4J | M4 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 2 | One M4R
One M4B | M4 Series Linear Super-LED, red, And
M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 9 | Two M4K | M4 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 3 | Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 10 | Two M7D | M7 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 4 | One M7R
One M7B | M7 Series Linear Super-LED, red, And
M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 11 | Two M7J | M7 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 5 | Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 12 | Two M7K | M7 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 6 | One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue | <input type="checkbox"/> Option 13 | Two M6D | M6 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 7 | Two M4D | M4 Series Linear Super-LED, split red/white | <input type="checkbox"/> Option 14 | Two M6J | M6 Series Linear Super-LED, split red/blue |
| | | | <input type="checkbox"/> Option 15 | Two M6K | M6 Series Linear Super-LED, split red/amber |
| | | | <input type="checkbox"/> Option 16 | Two M6V2R | M6 V-Series™ Super-LED, red |

M Series Lighthead are Surface Mount

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2014 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

FIRE DEPARTMENT _____

TRUCK NUMBER _____



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AERIAL, PUMPER, RESCUE PACKAGE 1

This package meets all lower zone requirements of NFPA 1901 specifications.

LED LIGHTING, LOWER ZONE ONLY**ZONE A LOWER****Choose 1 of the options below****Zone Photometric Requirement- 150,000 CSM**

- Option 1** Two M4R M4 Series Linear Super-LED®, red
- Option 2** One M4R M4 Series Linear Super-LED, red, And
One M4B M4 Series Linear Super-LED, blue
- Option 3** Two M7R M7 Series Linear Super-LED, red
- Option 4** One M7R M7 Series Linear Super-LED, red, And
One M7B M7 Series Linear Super-LED, blue
- Option 5** Two M6R M6 Series Linear Super-LED, red
- Option 6** One M6R M6 Series Linear Super-LED, red, And
One M6B M6 Series Linear Super-LED, blue

- Option 7** Two M4D M4 Series Linear Super-LED, split red/white
- Option 8** Two M4J M4 Series Linear Super-LED, split red/blue
- Option 9** Two M7D M7 Series Linear Super-LED, split red/white
- Option 10** Two M7J M7 Series Linear Super-LED, split red/blue
- Option 11** Two M6D M6 Series Linear Super-LED, split red/white
- Option 12** Two M6J M6 Series Linear Super-LED, split red/blue
- Option 13** Two M6V2R M6 V-Series™ Super-LED, red

ZONE B LOWER**Choose 1 of the options below****Zone Photometric Requirement- 150,000 CSM**

- Option 1** Two M4R M4 Series Linear Super-LED®, red
- Option 2** One M4R M4 Series Linear Super-LED, red, And
One M4B M4 Series Linear Super-LED, blue
- Option 3** Two M7R M7 Series Linear Super-LED, red
- Option 4** One M7R M7 Series Linear Super-LED, red, And
One M7B M7 Series Linear Super-LED, blue
- Option 5** Two M6R M6 Series Linear Super-LED, red
- Option 6** One M6R M6 Series Linear Super-LED, red, And
One M6B M6 Series Linear Super-LED, blue
- Option 7** Two M4D M4 Series Linear Super-LED, split red/white

- Option 8** Two M4J M4 Series Linear Super-LED, split red/blue
- Option 9** Two M4K M4 Series Linear Super-LED, split red/amber
- Option 10** Two M7D M7 Series Linear Super-LED, split red/white
- Option 11** Two M7J M7 Series Linear Super-LED, split red/blue
- Option 12** Two M7K M7 Series Linear Super-LED, split red/amber
- Option 13** Two M6D M6 Series Linear Super-LED, split red/white
- Option 14** Two M6J M6 Series Linear Super-LED, split red/blue
- Option 15** Two M6K M6 Series Linear Super-LED, split red/amber
- Option 16** Two M6V2R M6 V-Series™ Super-LED, red

ZONE C LOWER**Choose 1 of the options below****Zone Photometric Requirement- 150,000 CSM**

- Option 1** Two M4R M4 Series Linear Super-LED®, red
- Option 2** One M4R M4 Series Linear Super-LED, red, And
One M4B M4 Series Linear Super-LED, blue
- Option 3** Two M7R M7 Series Linear Super-LED, red
- Option 4** One M7R M7 Series Linear Super-LED, red, And
One M7B M7 Series Linear Super-LED, blue
- Option 5** Two M6R M6 Series Linear Super-LED, red
- Option 6** One M6R M6 Series Linear Super-LED, red, And
One M6B M6 Series Linear Super-LED, blue

- Option 7** Two M4J M4 Series Linear Super-LED, split red/blue
- Option 8** Two M4K M4 Series Linear Super-LED, split red/amber
- Option 9** Two M7J M7 Series Linear Super-LED, split red/blue
- Option 10** Two M7K M7 Series Linear Super-LED, split red/amber
- Option 11** Two M6J M6 Series Linear Super-LED, split red/blue
- Option 12** Two M6K M6 Series Linear Super-LED, split red/amber
- Option 13** Two M6V2R M6 V-Series™ Super-LED, red

ZONE D LOWER**Choose 1 of the options below****Zone Photometric Requirement- 150,000 CSM**

- Option 1** Two M4R M4 Series Linear Super-LED®, red
- Option 2** One M4R M4 Series Linear Super-LED, red, And
One M4B M4 Series Linear Super-LED, blue
- Option 3** Two M7R M7 Series Linear Super-LED, red
- Option 4** One M7R M7 Series Linear Super-LED, red, And
One M7B M7 Series Linear Super-LED, blue
- Option 5** Two M6R M6 Series Linear Super-LED, red
- Option 6** One M6R M6 Series Linear Super-LED, red, And
One M6B M6 Series Linear Super-LED, blue
- Option 7** Two M4D M4 Series Linear Super-LED, split red/white

- Option 8** Two M4J M4 Series Linear Super-LED, split red/blue
- Option 9** Two M4K M4 Series Linear Super-LED, split red/amber
- Option 10** Two M7D M7 Series Linear Super-LED, split red/white
- Option 11** Two M7J M7 Series Linear Super-LED, split red/blue
- Option 12** Two M7K M7 Series Linear Super-LED, split red/amber
- Option 13** Two M6D M6 Series Linear Super-LED, split red/white
- Option 14** Two M6J M6 Series Linear Super-LED, split red/blue
- Option 15** Two M6K M6 Series Linear Super-LED, split red/amber
- Option 16** Two M6V2R M6 V-Series™ Super-LED, red

M Series Lighthoods are Surface Mount

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2014 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

FIRE DEPARTMENT _____

TRUCK NUMBER _____

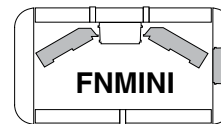
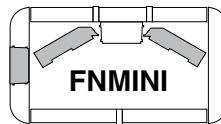
UPPER ZONE AERIAL PACKAGE 1

LED AND ROTATING HALOGEN LIGHTING

This package meets all upper zone requirements of NFPA 1901 specifications.

ZONE A UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 1,000,000 CSM**

- Option 1** Two Model FNMINI Mini Freedom™ LED Lightbars, 24", clear outer lenses, mount straight or angled



ZONE B UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

Zone B Upper Front is covered by the lights from the Rear or Side of the Lightbar from Zone A Upper
 Zone B Upper Rear is covered by one of the options chosen from Zone C Upper

ZONE C UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 800,000 CSM**

- | | |
|---|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two R316RF Rota-Beam™ Super-LED flat mount beacon, red <input type="checkbox"/> Option 2 Two RB6TRP RB6 Series Rotating Halogen Beacons, red <input type="checkbox"/> Option 3 Two B6TMRR1P RBT Series Halogen Upper Rotator, Lower Level, Linear Super-LED flasher, red <input type="checkbox"/> Option 4 Two B63M7RR Rota Beam Super-LED Beacons upper section, M7 Super-LED lower section, red <input type="checkbox"/> Option 5 Two MCFLED2R Micro Freedom™ Super-LED Lightheads, red <input type="checkbox"/> Option 6 Two L31HRFN L31 Series Super-LED Beacons, red <input type="checkbox"/> Option 7 Two B6MMRRP Super-LED Beacons Upper Section, Lower Level Linear Super-LED flasher, red <input type="checkbox"/> Option 8 Two M7R M7 Series Linear Super-LED, red <input type="checkbox"/> Option 9 Two M6R M6 Series Linear Super-LED, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 10 Two M9R M9 Series Linear Super-LED, red <input type="checkbox"/> Option 11 One M9R M9 Series Linear Super-LED, red, And One M9A M9 Series Linear Super-LED, amber <input type="checkbox"/> Option 12 One M9R M9 Series Linear Super-LED, red, And One M9B M9 Series Linear Super-LED, blue <input type="checkbox"/> Option 13 One M6A M6 Series Linear Super-LED, amber, And One M6R M6 Series Linear Super-LED, red <input type="checkbox"/> Option 14 One M6R M6 Series Linear Super-LED, red, And One M6B M6 Series Linear Super-LED, blue <input type="checkbox"/> Option 15 Two M6V2R M6 V-Series™ Super-LED, red <input type="checkbox"/> Option 16 Two M9V2R M9 V-Series™ Super-LED, red |
|---|---|

ZONE D UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

Zone D Upper Front is covered by the lights from the Rear or Side of the Lightbar from Zone A Upper
 Zone D Upper Rear is covered by one of the options chosen from Zone C Upper

M Series Lightheads are Surface Mount

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2014 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

FIRE DEPARTMENT _____

TRUCK NUMBER _____

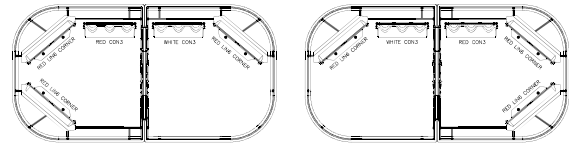
UPPER ZONE AERIAL PACKAGE 2

This package meets all upper zone requirements of NFPA 1901 specifications.

LED AND ROTATING HALOGEN LIGHTING

ZONE A UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 1,000,000 CSM**

- Option 1** Model JNMINI pair of Mini Justice® LED Lightbars, 24", with clear outer lenses



ZONE B UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

Zone B Upper Front is covered by one rotator from the Model JNMINI Lightbar from Zone A Upper
 Zone B Upper Rear is covered by one of the options chosen from Zone C Upper

ZONE C UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 800,000 CSM**

- | | |
|---|--|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two R316RF Rota-Beam™ Super-LED flat mount beacon, red <input type="checkbox"/> Option 2 Two RB6TRP RB6 Series Rotating Halogen Beacons, red <input type="checkbox"/> Option 3 Two B6TMRR1P RBT Series Halogen Upper Rotator, Lower Level, Linear Super-LED® flasher, red <input type="checkbox"/> Option 4 Two B63M7RR Rota Beam Super-LED Beacons upper section, M7 Super-LED lower section, red <input type="checkbox"/> Option 5 Two MCFLED2R Micro Freedom™ Super-LED Lightheads, red <input type="checkbox"/> Option 6 Two L31HRFN L31 Series Super-LED Beacons, red <input type="checkbox"/> Option 7 Two B6MMRRP Super-LED Beacons Upper Section, Lower Level Linear Super-LED flasher, red <input type="checkbox"/> Option 8 Two M7R M7 Series Linear Super-LED, red <input type="checkbox"/> Option 9 Two M6R M6 Series Linear Super-LED, red <input type="checkbox"/> Option 10 Two M9R M9 Series Linear Super-LED, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 11 One M9R M9 Series Linear Super-LED, red, And One M9A M9 Series Linear Super-LED, amber <input type="checkbox"/> Option 12 One M9R M9 Series Linear Super-LED, red, And One M9B M9 Series Linear Super-LED, blue <input type="checkbox"/> Option 13 One M6A M6 Series Linear Super-LED, amber, And One M6R M6 Series Linear Super-LED, red <input type="checkbox"/> Option 14 One M6R M6 Series Linear Super-LED, red, And One M6B M6 Series Linear Super-LED, blue <input type="checkbox"/> Option 15 Two M6V2R M6 V-Series™ Super-LED, red <input type="checkbox"/> Option 16 Two M9V2R M9 V-Series™ Super-LED, red |
|---|--|

ZONE D UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

Zone D Upper Front is covered by one rotator from the Model JNMINI Lightbar from Zone A Upper
 Zone D Upper Rear is covered by one of the options chosen from Zone C Upper

M Series Lightheads are Surface Mount

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2014 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

FIRE DEPARTMENT _____

TRUCK NUMBER _____

UPPER ZONE PUMPER PACKAGE 1

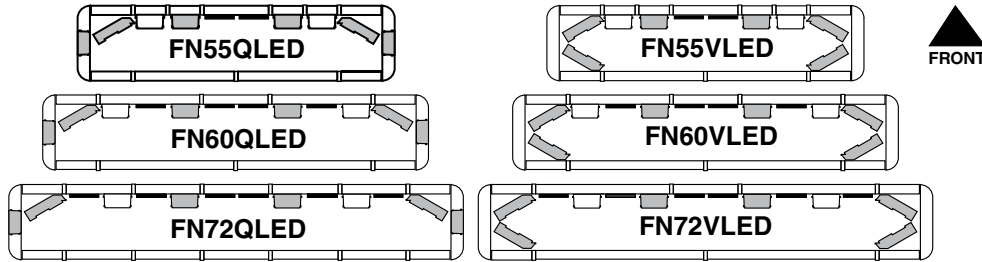
This package meets all upper zone requirements of NFPA 1901 specifications.

LED LIGHTING

ZONE A UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 1,000,000 CSM**

- Option 1** One FN55QLED NFPA Freedom™ LED Lightbar, clear outer lenses, std. 55"
- Option 2** One FN60QLED NFPA Freedom LED Lightbar, clear outer lenses, std. 60"
- Option 3** One FN72QLED NFPA Freedom LED Lightbar, clear outer lenses, std. 72"

- Option 4** One FN55VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 55"
- Option 5** One FN60VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 60"
- Option 6** One FN72VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 72"



ZONE B UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

Zone B Upper Front is covered by the lights from the Rear or Side of the Lightbar from Zone A Upper
 Zone B Upper Rear is covered by one of the options chosen from Zone C Upper

ZONE C UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 800,000 CSM**

- | | | | |
|---|---|--|--|
| <input type="checkbox"/> Option 1 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 6 One M6A | M6 Series Linear Super-LED, amber, And |
| <input type="checkbox"/> Option 2 Two M6R | M6 Series Linear Super-LED, red | One M6R | M6 Series Linear Super-LED, red |
| <input type="checkbox"/> Option 3 Two M9R | M9 Series Linear Super-LED, red | <input type="checkbox"/> Option 7 One M6R | M6 Series Linear Super-LED, red, And |
| <input type="checkbox"/> Option 4 One M9R
One M9A | M9 Series Linear Super-LED, red, And
M9 Series Linear Super-LED, amber | One M6B | M6 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 5 One M9R
One M9B | M9 Series Linear Super-LED, red, And
M9 Series Linear Super-LED, blue | | |

ZONE D UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

Zone D Upper Front is covered by the lights from the Rear or Side of the Lightbar from Zone A Upper
 Zone D Upper Rear is covered by one of the options chosen from Zone C Upper

M Series Lighthoods are Surface Mount

CERTIFICATE OF COMPLIANCE WITH NFPA 1901 To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2014 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

 FIRE DEPARTMENT

 TRUCK NUMBER



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UPPER ZONE PUMPER PACKAGE 2

FORM# M0914-11

LED AND ROTATING HALOGEN LIGHTING

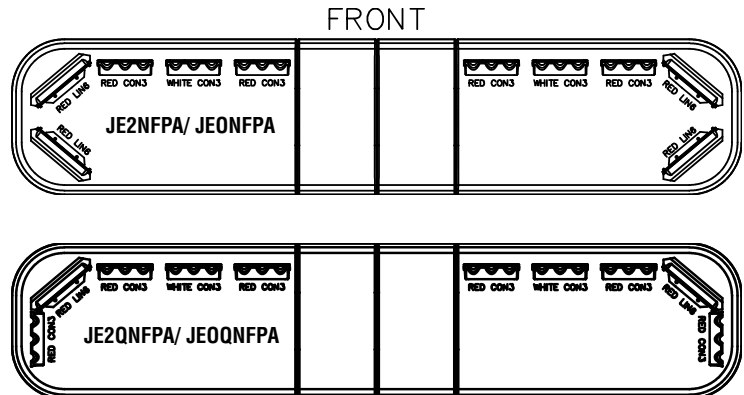
This package meets all upper zone requirements of NFPA 1901 specifications.

ZONE A UPPER

Choose 1 of the options below

Zone Photometric Requirement- 1,000,000 CSM

- Option 1** One Model JE2NFPA NFPA Justice® Lightbar with angled corners and clear outer lenses, 56"
- Option 2** One Model JE0NFPA NFPA Justice Lightbar with angled corners and clear outer lenses, 62"
- Option 3** One Model JE2QNFP NFPA Justice Lightbar with square corners and clear outer lenses, 56"
- Option 4** One Model JE0QNFP NFPA Justice Lightbar with square corners and clear outer lenses, 62"



ZONE B UPPER

Choose 1 of the options below

Zone Photometric Requirement- 400,000 CSM

Zone B Upper Front is covered by one rotator from the Lightbar from Zone A Upper
Zone B Upper Rear is covered by one of the options chosen from Zone C Upper

ZONE C UPPER

Choose 1 of the options below

Zone Photometric Requirement- 800,000 CSM

- | | |
|--|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two R316RF Rota-Beam™ Super-LED flat mount beacon, red <input type="checkbox"/> Option 2 Two RB6TRP RB6 Series Rotating Halogen Beacons, red <input type="checkbox"/> Option 3 Two B6TMRR1P RBT Series Halogen Upper Rotator, Lower Level, Linear Super-LED® flasher, red <input type="checkbox"/> Option 4 Two B63M7RR Rota Beam Super-LED Beacons upper section, M7 Super-LED lower section, red <input type="checkbox"/> Option 5 Two MCFLED2R Micro Freedom™ Super-LED Lightheads, red <input type="checkbox"/> Option 6 Two L31HRFN L31 Series Super-LED Beacons, red <input type="checkbox"/> Option 7 Two B6MMRRP Super-LED Beacons Upper Section, Lower Level Linear Super-LED flasher, red <input type="checkbox"/> Option 8 Two M7R M7 Series Linear Super-LED, red <input type="checkbox"/> Option 9 Two M6R M6 Series Linear Super-LED, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 10 Two M9R M9 Series Linear Super-LED, red <input type="checkbox"/> Option 11 One M9R M9 Series Linear Super-LED, red, And One M9A M9 Series Linear Super-LED, amber <input type="checkbox"/> Option 12 One M9R M9 Series Linear Super-LED, red, And One M9B M9 Series Linear Super-LED, blue <input type="checkbox"/> Option 13 One M6A M6 Series Linear Super-LED, amber, And One M6R M6 Series Linear Super-LED, red <input type="checkbox"/> Option 14 One M6R M6 Series Linear Super-LED, red, And One M6B M6 Series Linear Super-LED, blue <input type="checkbox"/> Option 15 Two M6V2R M6 V-Series™ Super-LED, red <input type="checkbox"/> Option 16 Two M9V2R M9 V-Series™ Super-LED, red |
|--|---|

ZONE D UPPER

Choose 1 of the options below

Zone Photometric Requirement- 400,000 CSM

Zone D Upper Front is covered by one rotator from the Lightbar from Zone A Upper
Zone D Upper Rear is covered by one of the options chosen from Zone C Upper

M Series Lightheads are Surface Mount

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2014 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

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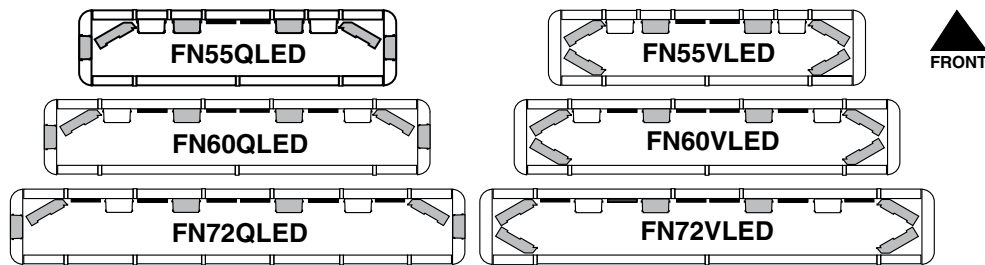
UPPER ZONE RESCUE PACKAGE 1

LED LIGHTING

This package meets all upper zone requirements of NFPA 1901 specifications.

ZONE A UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 1,000,000 CSM**

- Option 1** One FN55QLED NFPA Freedom™ LED Lightbar, clear outer lenses, std. 55"
- Option 2** One FN60QLED NFPA Freedom LED Lightbar, clear outer lenses, std. 60"
- Option 3** One FN72QLED NFPA Freedom LED Lightbar, clear outer lenses, std. 72"
- Option 4** One FN55VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 55"
- Option 5** One FN60VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 60"
- Option 6** One FN72VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 72"



ZONE B UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

- | | | | |
|--|--------------------------------------|---|--|
| <input type="checkbox"/> Option 1 Two M7R | M7 Series Linear Super-LED®, red | <input type="checkbox"/> Option 6 One M6A | M6 Series Linear Super-LED, amber, And |
| <input type="checkbox"/> Option 2 Two M6R | M6 Series Linear Super-LED, red | One M6R | M6 Series Linear Super-LED, red |
| <input type="checkbox"/> Option 3 Two M9R | M9 Series Linear Super-LED, red | <input type="checkbox"/> Option 7 One M6R | M6 Series Linear Super-LED, red, And |
| <input type="checkbox"/> Option 4 One M9R | M9 Series Linear Super-LED, red, And | One M6B | M6 Series Linear Super-LED, blue |
| One M9A | M9 Series Linear Super-LED, amber | <input type="checkbox"/> Option 8 Two M9B | M9 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 5 One M9R | M9 Series Linear Super-LED, red, And | <input type="checkbox"/> Option 9 Two M6B | M6 Series Linear Super-LED, blue |
| One M9B | M9 Series Linear Super-LED, blue | <input type="checkbox"/> Option 10 Two M6V2R | M6 V-Series™ Super-LED, red |

ZONE C UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 800,000 CSM**

- | | | | |
|--|--------------------------------------|--|--|
| <input type="checkbox"/> Option 1 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 6 One M6A | M6 Series Linear Super-LED, amber, And |
| <input type="checkbox"/> Option 2 Two M6R | M6 Series Linear Super-LED, red | One M6R | M6 Series Linear Super-LED, red |
| <input type="checkbox"/> Option 3 Two M9R | M9 Series Linear Super-LED, red | <input type="checkbox"/> Option 7 One M6R | M6 Series Linear Super-LED, red, And |
| <input type="checkbox"/> Option 4 One M9R | M9 Series Linear Super-LED, red, And | One M6B | M6 Series Linear Super-LED, blue |
| One M9A | M9 Series Linear Super-LED, amber | <input type="checkbox"/> Option 8 Two M9V2R | M9 V-Series™ Super-LED, red |
| <input type="checkbox"/> Option 5 One M9R | M9 Series Linear Super-LED, red, And | | |
| One M9B | M9 Series Linear Super-LED, blue | | |

ZONE D UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

- | | | | |
|--|--------------------------------------|---|--|
| <input type="checkbox"/> Option 1 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 6 One M6A | M6 Series Linear Super-LED, amber, And |
| <input type="checkbox"/> Option 2 Two M6R | M6 Series Linear Super-LED, red | One M6R | M6 Series Linear Super-LED, red |
| <input type="checkbox"/> Option 3 Two M9R | M9 Series Linear Super-LED, red | <input type="checkbox"/> Option 7 One M6R | M6 Series Linear Super-LED, red, And |
| <input type="checkbox"/> Option 4 One M9R | M9 Series Linear Super-LED, red, And | One M6B | M6 Series Linear Super-LED, blue |
| One M9A | M9 Series Linear Super-LED, amber | <input type="checkbox"/> Option 8 Two M9B | M9 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 5 One M9R | M9 Series Linear Super-LED, red, And | <input type="checkbox"/> Option 9 Two M6B | M6 Series Linear Super-LED, blue |
| One M9B | M9 Series Linear Super-LED, blue | <input type="checkbox"/> Option 10 Two M6V2R | M6 V-Series™ Super-LED, red |

M Series Lightheads are Surface Mount

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2014 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

FIRE DEPARTMENT _____

TRUCK NUMBER _____

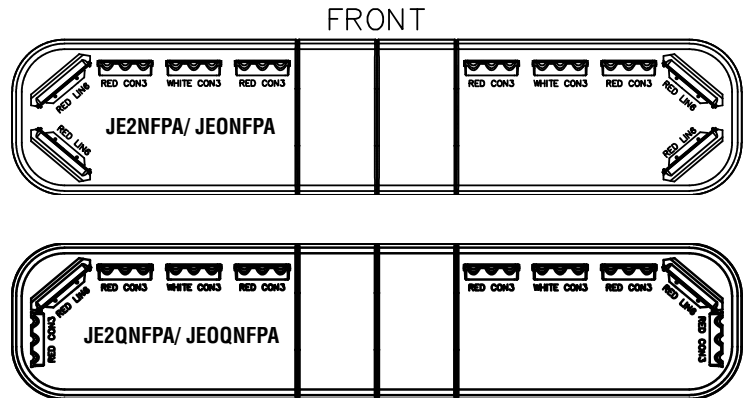
UPPER ZONE RESCUE PACKAGE 2

This package meets all upper zone requirements of NFPA 1901 specifications.

LED LIGHTING

ZONE A UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 1,000,000 CSM**

- Option 1** One Model JE2NFPA NFPA Justice® Lightbar with angled corners and clear outer lenses, 56"
- Option 2** One Model JE0NFPA NFPA Justice Lightbar with angled corners and clear outer lenses, 62"
- Option 3** One Model JE2QNFPFA NFPA Justice Lightbar with square corners and clear outer lenses, 56"
- Option 4** One Model JE0QNFPFA NFPA Justice Lightbar with square corners and clear outer lenses, 62"



ZONE B UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

- | | | | |
|--|--------------------------------------|---|--|
| <input type="checkbox"/> Option 1 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 6 One M6A | M6 Series Linear Super-LED, amber, And |
| <input type="checkbox"/> Option 2 Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 7 One M6R | M6 Series Linear Super-LED, red |
| <input type="checkbox"/> Option 3 Two M9R | M9 Series Linear Super-LED, red | <input type="checkbox"/> Option 8 Two M9B | M9 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 4 One M9R | M9 Series Linear Super-LED, red, And | <input type="checkbox"/> Option 9 Two M6B | M6 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 5 One M9A | M9 Series Linear Super-LED, amber | <input type="checkbox"/> Option 10 Two M6V2R | M6 V-Series™ Super-LED, red |
| <input type="checkbox"/> Option 5 One M9B | M9 Series Linear Super-LED, red, And | | |
| | M9 Series Linear Super-LED, blue | | |

ZONE C UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 800,000 CSM**

- | | | | |
|--|--------------------------------------|--|--|
| <input type="checkbox"/> Option 1 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 6 One M6A | M6 Series Linear Super-LED, amber, And |
| <input type="checkbox"/> Option 2 Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 7 One M6R | M6 Series Linear Super-LED, red |
| <input type="checkbox"/> Option 3 Two M9R | M9 Series Linear Super-LED, red | <input type="checkbox"/> Option 8 Two M9V2R | M9 V-Series™ Super-LED, red |
| <input type="checkbox"/> Option 4 One M9R | M9 Series Linear Super-LED, red, And | | |
| <input type="checkbox"/> Option 4 One M9A | M9 Series Linear Super-LED, amber | | |
| <input type="checkbox"/> Option 5 One M9B | M9 Series Linear Super-LED, red, And | | |
| | M9 Series Linear Super-LED, blue | | |

ZONE D UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

- | | | | |
|--|--------------------------------------|---|--|
| <input type="checkbox"/> Option 1 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 6 One M6A | M6 Series Linear Super-LED, amber, And |
| <input type="checkbox"/> Option 2 Two M6R | M6 Series Linear Super-LED, red | <input type="checkbox"/> Option 7 One M6R | M6 Series Linear Super-LED, red |
| <input type="checkbox"/> Option 3 Two M9R | M9 Series Linear Super-LED, red | <input type="checkbox"/> Option 8 Two M9B | M9 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 4 One M9R | M9 Series Linear Super-LED, red, And | <input type="checkbox"/> Option 9 Two M6B | M6 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 4 One M9A | M9 Series Linear Super-LED, amber | <input type="checkbox"/> Option 10 Two M6V2R | M6 V-Series™ Super-LED, red |
| <input type="checkbox"/> Option 5 One M9B | M9 Series Linear Super-LED, red, And | | |
| | M9 Series Linear Super-LED, blue | | |

M Series Lighthoods are Surface Mount

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2014 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

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SMALL APPARATUS (25' or Less) PACKAGE 1

This package meets all zone requirements of NFPA 1901 specifications.

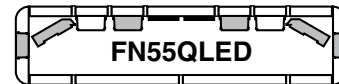
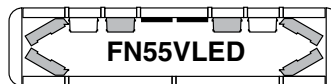
LED AND ROTATING HALOGEN LIGHTING

Zone A UPPER and LOWER Combined

Zone Photometric Requirement- 1,000,000 CSM

Choose 1 of the options for the Upper Zone

- Option 1 One FN55VLED NFPA Freedom™ LED Lightbar, 55"
- Option 2 One FN55QLED NFPA Freedom LED Lightbar, 55"



Choose 1 of the options for the Lower Zone

- | | | | |
|--|--|---|---|
| <input type="checkbox"/> Option 1 Two M4R | M4 Series Linear Super-LED®, red | <input type="checkbox"/> Option 5 Two M4D | M4 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 2 One M4R
One M4B | M4 Series Linear Super-LED, red, And
M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 6 Two M4J | M4 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 3 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 7 Two M7D | M7 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 4 One M7R
One M7B | M7 Series Linear Super-LED, red, And
M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 8 Two M7J | M7 Series Linear Super-LED, split red/blue |
| | | <input type="checkbox"/> Option 9 Two M6V2R | M6 V-Series™ Super-LED, red |

Zone B UPPER and LOWER Combined

Zone Photometric Requirement- 200,000 CSM

Choose 1 of the options for the Upper or Lower Zone

- | | | | |
|--|--|--|---|
| <input type="checkbox"/> Option 1 Two M4R | M4 Series Linear Super-LED, red | <input type="checkbox"/> Option 6 Two M4J | M4 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 2 One M4R
One M4B | M4 Series Linear Super-LED, red, And
M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 7 Two M4K | M4 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 3 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 8 Two M7D | M7 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 4 One M7R
One M7B | M7 Series Linear Super-LED, red, And
M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 9 Two M7J | M7 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 5 Two M4D | M4 Series Linear Super-LED, split red/white | <input type="checkbox"/> Option 10 Two M7K | M7 Series Linear Super-LED, split red/amber |
| | | <input type="checkbox"/> Option 11 Two M6V2R | M6 V-Series™ Super-LED, red |

ZONE C UPPER and LOWER Combined

Zone Photometric Requirement- 800,000 CSM

Choose 1 of the options for the Upper or Lower Zone

- | | | | |
|--|---|---|---|
| <input type="checkbox"/> Option 1 Two R316RF | Rota-Beam™ Super-LED flat mount beacon, red | <input type="checkbox"/> Option 8 One M9R
One M9A | M9 Series Linear Super-LED, red, And
M9 Series Linear Super-LED, amber |
| <input type="checkbox"/> Option 2 Two RB6TRP | RB6 Series Rotating Halogen Beacons, red | <input type="checkbox"/> Option 9 One M6A
One M6R | M6 Series Linear Super-LED, amber, And
M6 Series Linear Super-LED, red |
| <input type="checkbox"/> Option 3 Two MCFLED2R | Micro Freedom™ Super-LED Lightheads, red | <input type="checkbox"/> Option 10 One M6R
One M6B | M6 Series Linear Super-LED, red, And
M6 Series Linear Super-LED, blue |
| <input type="checkbox"/> Option 4 Two L31HRFN | L31 Series Super-LED Beacons, red | <input type="checkbox"/> Option 11 Two M9V2R | M9 V-Series™ Super-LED, red |
| <input type="checkbox"/> Option 5 Two M7R | M7 Series Linear Super-LED, red | | |
| <input type="checkbox"/> Option 6 Two M6R | M6 Series Linear Super-LED, red | | |
| <input type="checkbox"/> Option 7 Two M9R | M9 Series Linear Super-LED, red | | |

Zone D UPPER and LOWER Combined

Zone Photometric Requirement- 200,000 CSM

Choose 1 of the options for the Upper or Lower Zone

- | | | | |
|--|--|--|---|
| <input type="checkbox"/> Option 1 Two M4R | M4 Series Linear Super-LED, red | <input type="checkbox"/> Option 6 Two M4J | M4 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 2 One M4R
One M4B | M4 Series Linear Super-LED, red, And
M4 Series Linear Super-LED, blue | <input type="checkbox"/> Option 7 Two M4K | M4 Series Linear Super-LED, split red/amber |
| <input type="checkbox"/> Option 3 Two M7R | M7 Series Linear Super-LED, red | <input type="checkbox"/> Option 8 Two M7D | M7 Series Linear Super-LED, split red/white |
| <input type="checkbox"/> Option 4 One M7R
One M7B | M7 Series Linear Super-LED, red, And
M7 Series Linear Super-LED, blue | <input type="checkbox"/> Option 9 Two M7J | M7 Series Linear Super-LED, split red/blue |
| <input type="checkbox"/> Option 5 Two M4D | M4 Series Linear Super-LED, split red/white | <input type="checkbox"/> Option 10 Two M7K | M7 Series Linear Super-LED, split red/amber |
| | | <input type="checkbox"/> Option 11 Two M6V2R | M6 V-Series™ Super-LED, red |

M Series Lightheads are Surface Mount

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2014 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

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SMALL APPARATUS (25' or Less) PACKAGE 2

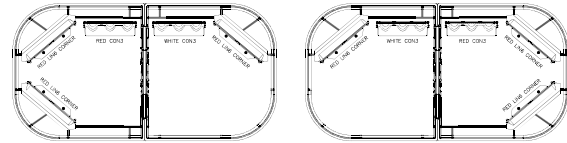
This package meets all zone requirements of NFPA 1901 specifications.

LED LIGHTING

ZONE A UPPER and LOWER Combined

Zone Photometric Requirement- 1,000,000 CSM

- Option 1** Model JNMINI pair of Mini Justice® LED Lightbars, 24", with clear outer lenses



Choose 1 of the options for the Lower Zone

- Option 1** Two M4R M4 Series Linear Super-LED®, red
- Option 2** One M4R M4 Series Linear Super-LED, red, And One M4B M4 Series Linear Super-LED, blue
- Option 3** Two M7R M7 Series Linear Super-LED, red
- Option 4** One M7R M7 Series Linear Super-LED, red, And One M7B M7 Series Linear Super-LED, blue

- Option 5** Two M4D M4 Series Linear Super-LED, split red/white
- Option 6** Two M4J M4 Series Linear Super-LED, split red/blue
- Option 7** Two M7D M7 Series Linear Super-LED, split red/white
- Option 8** Two M7J M7 Series Linear Super-LED, split red/blue
- Option 9** Two M6V2R M6 V-Series™ Super-LED, red

ZONE B UPPER and LOWER Combined

Zone Photometric Requirement- 200,000 CSM

Choose 1 of the options for the Upper or Lower Zone

- Option 1** Two M4R M4 Series Linear Super-LED, red
- Option 2** One M4R M4 Series Linear Super-LED, red, And One M4B M4 Series Linear Super-LED, blue
- Option 3** Two M7R M7 Series Linear Super-LED, red
- Option 4** One M7R M7 Series Linear Super-LED, red, And One M7B M7 Series Linear Super-LED, blue
- Option 5** Two M4D M4 Series Linear Super-LED, split red/white

- Option 6** Two M4J M4 Series Linear Super-LED, split red/blue
- Option 7** Two M4K M4 Series Linear Super-LED, split red/amber
- Option 8** Two M7D M7 Series Linear Super-LED, split red/white
- Option 9** Two M7J M7 Series Linear Super-LED, split red/blue
- Option 10** Two M7K M7 Series Linear Super-LED, split red/amber
- Option 11** Two M6V2R M6 V-Series™ Super-LED, red

ZONE C UPPER and LOWER Combined

Zone Photometric Requirement- 800,000 CSM

Choose 1 of the options for the Upper Zone or Lower Zone

- Option 1** Two R316RF Rota-Beam™ Super-LED flat mount beacon, red
- Option 2** Two RB6TRP RB6 Series Rotating Halogen Beacons, red
- Option 3** Two MCFLED2R Micro Freedom™ Super-LED Lightheads, red
- Option 4** Two L31HRFN L31 Series Super-LED Beacons, red
- Option 5** Two M7R M7 Series Linear Super-LED, red
- Option 6** Two M6R M6 Series Linear Super-LED, red
- Option 7** Two M9R M9 Series Linear Super-LED, red

- Option 8** One M9R M9 Series Linear Super-LED, red, And One M9A M9 Series Linear Super-LED, amber
- Option 9** One M6A M6 Series Linear Super-LED, amber, And One M6R M6 Series Linear Super-LED, red
- Option 10** One M6R M6 Series Linear Super-LED, red, And One M6B M6 Series Linear Super-LED, blue
- Option 11** Two M9V2R M9 V-Series™ Super-LED, red

ZONE D UPPER and LOWER Combined

Zone Photometric Requirement- 200,000 CSM

Choose 1 of the options for the Upper or Lower Zone

- Option 1** Two M4R M4 Series Linear Super-LED, red
- Option 2** One M4R M4 Series Linear Super-LED, red, And One M4B M4 Series Linear Super-LED, blue
- Option 3** Two M7R M7 Series Linear Super-LED, red
- Option 4** One M7R M7 Series Linear Super-LED, red, And One M7B M7 Series Linear Super-LED, blue
- Option 5** Two M4D M4 Series Linear Super-LED, split red/white

- Option 6** Two M4J M4 Series Linear Super-LED, split red/blue
- Option 7** Two M4K M4 Series Linear Super-LED, split red/amber
- Option 8** Two M7D M7 Series Linear Super-LED, split red/white
- Option 9** Two M7J M7 Series Linear Super-LED, split red/blue
- Option 10** Two M7K M7 Series Linear Super-LED, split red/amber
- Option 11** Two M6V2R M6 V-Series™ Super-LED, red

M Series Lightheads are Surface Mount

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2014 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

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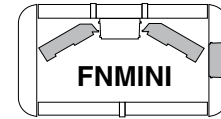
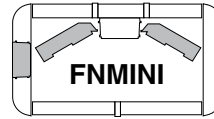
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AERIAL PACKAGE 1

LED AND ROTATING HALOGEN LIGHTING

ZONE A UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 1,000,000 CSM**

- Option 1** Two Model FNMINI Mini Freedom™ LED Lightbars, 24", clear outer lenses, mount straight or angled



ZONE A LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- Option 1** Two 40RR5SRR* 400 Series Linear Super-LED® Surface Mount Lightheads, red
- Option 2** Two 4V3R 400 V-Series Super-LED surface mount, red
- Option 3** Two 50R03ZRR* 500 Series TIR6™ Super-LED Surface Mount Lightheads, red
- Option 4** Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lightheads, red
- Option 5** Two V23TPC V23 Series Super-LED surface mount, red
- Option 6** Two 5V3R 500 V-Series™ Super-LED surface mount, red
- Option 7** Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red
- Option 8** Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red
- Option 9** Two 70R02FRR 700 Series Linear Super-LED Flashers Surface Mount, red
- Option 10** Two LINZ6R LINZ6™ Series Linear Super-LED Surface Mount, red
- Option 11** Two RSR02ZCR LIN3™ Series Super-LED Surface Mount, red
- Option 12** Two WIONSMCR ION™ Super-LED chrome surface mount, red

ZONE B UPPER **Zone Photometric Requirement- 400,000 CSM**

Zone B Upper Front is covered by the lights from the Rear or Side of the Lightbar from Zone A upper
 Zone B Upper Rear is covered by One of the options chosen from Zone C Upper

ZONE B LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- Option 1** Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lightheads, red
- Option 2** Two 4V3R 400 V-Series Super-LED surface mount, red
- Option 3** Two 50R03ZRR* 500 Series TIR6 Super-LED Surface Mount Lightheads, red
- Option 4** Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lightheads, red
- Option 5** Two V23TPC V23 Series Super-LED surface mount, red
- Option 6** Two 60R02FRR 600 Series Linear-LED Flashers Surface Mount, red
- Option 7** Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red
- Option 8** Two 70R02FRR 700 Series Linear-LED Flashers Surface Mount, red
- Option 9** Two 70RC6FCR 700 Series Linear-LED Flashers Surface Mount (split red/white)
- Option 10** Two LINZ6R LINZ6 Series Linear Super-LED Surface Mount, red
- Option 11** Two RSR02ZCR LIN3 Series Super-LED Surface Mount, red
- Option 12** Two WIONSMCR ION™ Super-LED chrome surface mount, red

ZONE C UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 800,000 CSM**

- Option 1** Two R316RF Rota-Beam™ Super-LED flat mount beacon, red
- Option 2** Two RB6TRP RB6 Series Rotating Halogen Beacons, red
- Option 3** Two B6TMRR1P RBT Series Halogen Upper Rotator, Lower Level, Linear Super-LED with flasher, red
- Option 4** Two B6370RR Rota Beam Super LED Beacon upper section, 700 Series super LED lower section, red
- Option 5** Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lightheads, red
- Option 6** Two 90RR5FRR 900 Series Linear Super-LED Surface Mount Lightheads, red
- Option 7** Two MCFLED2R Micro Freedom™ Super-LED Lightheads, red
- Option 8** Two L31HRFN L31 Series Super-LED Beacons, red
- Option 9** Two B6MMRRP Super-LED Beacons Upper Section, Lower Level Linear Super-LED with flasher, red

ZONE C LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- Option 1** Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lightheads, red
- Option 2** Two 4V3R 400 V-Series Super-LED surface mount, red
- Option 3** Two 50R03ZRR* 500 Series TIR6 Super-LED Surface Mount Lightheads, red
- Option 4** Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lightheads, red
- Option 5** Two V23TPC V23 Series Super-LED surface mount, red
- Option 6** Two 5V3R 500 V-Series™ Super-LED surface mount, red
- Option 7** Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red
- Option 8** Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red
- Option 9** Two 70R02FRR 700 Series Linear-LED Flashers Surface Mount, red
- Option 10** Two LINZ6R LINZ6 Series Linear Super-LED Surface Mount, red
- Option 11** Two RSR02ZCR LIN3 Series Super-LED Surface Mount, red
- Option 12** Two WIONSMCR ION™ Super-LED chrome surface mount, red

* Requires optional flange purchased separately

CONTINUED ON NEXT PAGE

This package meets all zone requirements of NFPA 1901 specifications.

AERIAL PACKAGE 1 (cont.)

LED AND ROTATING HALOGEN LIGHTING

ZONE D UPPER

Zone Photometric Requirement- 400,000 CSM

Zone D Upper Front is covered by the lights from the Rear or Side of the Lightbar from Zone A upper
 Zone D Upper Rear is covered by One of the options chosen from Zone C Upper

ZONE D LOWER

Choose 1 of the options below

Zone Photometric Requirement- 150,000 CSM

- | | | | | | |
|--|---------------|--|---|--------------|--|
| <input type="checkbox"/> Option 1 | Two 40RR5SRR* | 400 Series Linear Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 8 | Two 70R02FRR | 700 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 2 | Two 4V3R | 400 V-Series Super-LED surface mount, red | <input type="checkbox"/> Option 9 | Two 70RC6FCR | 700 Series Linear Super-LED Flashers Surface Mount (split red/white) |
| <input type="checkbox"/> Option 3 | Two 50R03ZRR* | 500 Series TIR6 Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 10 | Two LINZ6R | LINZ6 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 4 | Two 50R02FRR* | 500 Series Linear Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 11 | Two RSR02ZCR | LIN3 Series Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 5 | Two V23TPC | V23 Series Super-LED surface mount, red | <input type="checkbox"/> Option 12 | Two WIONSMCR | ION™ Super-LED chrome surface mount, red |
| <input type="checkbox"/> Option 6 | Two 60R02FRR | 600 Series Linear Super-LED Flashers Surface Mount, red | | | |
| <input type="checkbox"/> Option 7 | Two 6RBR | 600 Series Rota-Beam™ Super-LED surface mount, red | | | |

*Requires optional flange purchased separately

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2009 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

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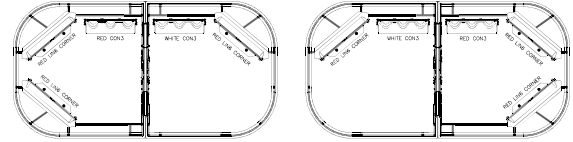
AERIAL PACKAGE 2

LED AND ROTATING HALOGEN LIGHTING

ZONE A UPPER

Zone Photometric Requirement- 1,000,000 CSM

- Option 1** Model JNMINI pair of Mini Justice® LED Lightbars, 24", with clear outer lenses



ZONE A LOWER

Choose 1 of the options below

Zone Photometric Requirement- 150,000 CSM

- | | |
|--|--|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two 40RR5SRR* 400 Series Linear Super-LED® Surface Mount Lightheads, red <input type="checkbox"/> Option 2 Two 50R03ZRR* 500 Series TIR6™ Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 3 Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 4 Two 4V3R 400 V-Series Super-LED surface mount, red <input type="checkbox"/> Option 5 Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 6 Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red <input type="checkbox"/> Option 7 Two 70R02FRR 700 Series Linear Super-LED Flashers Surface Mount, red <input type="checkbox"/> Option 8 Two LINZ6R LINZ6™ Series Linear Super-LED Surface Mount, red <input type="checkbox"/> Option 9 Two RSR02ZCR LIN3™ Series Super-LED Surface Mount, red <input type="checkbox"/> Option 10 Two V23TPC V23 Series Super-LED surface mount, red <input type="checkbox"/> Option 11 Two WIONSMCR ION™ Super-LED chrome surface mount, red |
|--|--|

ZONE B UPPER

Zone Photometric Requirement- 400,000 CSM

Zone B Upper Front is covered by One Rotator from the Model JNMINI Lightbar from Zone A upper
 Zone B Upper Rear is covered by One of the options chosen from Zone C Upper

ZONE B LOWER

Choose 1 of the options below

Zone Photometric Requirement- 150,000 CSM

- | | |
|--|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 2 Two 50R03ZRR* 500 Series TIR6 Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 3 Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 4 Two 4V3R 400 V-Series Super-LED surface mount, red <input type="checkbox"/> Option 5 Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red <input type="checkbox"/> Option 6 Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 7 Two 70R02FRR 700 Series Linear Super-LED Flashers Surface Mount, red <input type="checkbox"/> Option 8 Two 70RC6FCR 700 Series Linear Super-LED Flashers Surface Mount (split red/white) <input type="checkbox"/> Option 9 Two LINZ6R LINZ6 Series Linear Super-LED Surface Mount, red <input type="checkbox"/> Option 10 Two RSR02ZCR LIN3 Series Super-LED Surface Mount, red <input type="checkbox"/> Option 11 Two V23TPC V23 Series Super-LED surface mount, red <input type="checkbox"/> Option 12 Two WIONSMCR ION™ Super-LED chrome surface mount, red |
|--|---|

ZONE C UPPER

Choose 1 of the options below

Zone Photometric Requirement- 800,000 CSM

- | | |
|---|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two R316RF Rota-Beam™ Super-LED flat mount beacon, red <input type="checkbox"/> Option 2 Two RB6TRP RB6 Series Rotating Halogen Beacons, red <input type="checkbox"/> Option 3 Two B6TMR1P RBT Series Halogen Upper Rotator, Lower Level, Linear Super-LED with flasher, red <input type="checkbox"/> Option 4 Two B6370RR Rota Beam Super LED Beacons upper section, 700 Super LED lower section, red <input type="checkbox"/> Option 5 Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lightheads, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 6 Two 90RR5FRR 900 Series Linear Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 7 Two MCFLED2R Micro Freedom™ Super-LED Lightheads, red <input type="checkbox"/> Option 8 Two L31HRFN L31 Series Super-LED Beacons, red <input type="checkbox"/> Option 9 Two B6MMRRP Super-LED Beacons Upper Section, Lower Level Linear Super-LED with flasher, red |
|---|---|

ZONE C LOWER

Choose 1 of the options below

Zone Photometric Requirement- 150,000 CSM

- | | |
|--|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 2 Two 50R03ZRR* 500 Series TIR6 Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 3 Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 4 Two 4V3R 400 V-Series Super-LED surface mount, red <input type="checkbox"/> Option 5 Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red <input type="checkbox"/> Option 6 Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 7 Two 70R02FRR 700 Series Linear Super-LED Flasher Surface Mount, red <input type="checkbox"/> Option 8 Two LINZ6R LINZ6™ Series Linear Super-LED Surface Mount, red <input type="checkbox"/> Option 9 Two RSR02ZCR LIN3™ Series Super-LED Surface Mount, red <input type="checkbox"/> Option 10 Two V23TPC V23 Series Super-LED surface mount, red <input type="checkbox"/> Option 11 Two WIONSMCR ION™ Super-LED chrome surface mount, red |
|--|---|

*Requires optional flange purchased separately

CONTINUED ON NEXT PAGE

This package meets all zone requirements of NFPA 1901 specifications.

AERIAL PACKAGE 2 (cont.)

LED AND ROTATING HALOGEN LIGHTING

ZONE D UPPER

Zone Photometric Requirement- 400,000 CSM

Zone D Upper Front is covered by One Rotator from the Model JNMINI Lightbar from Zone A upper
 Zone D Upper Rear is covered by One of the options chosen from Zone C Upper

ZONE D LOWER

Choose 1 of the options below

Zone Photometric Requirement- 150,000 CSM

- | | |
|---|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lighthead, red <input type="checkbox"/> Option 2 Two 50R03ZRR* 500 Series TIR6 Super-LED Surface Mount Lighthead, red <input type="checkbox"/> Option 3 Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lighthead, red <input type="checkbox"/> Option 4 Two 4V3R 400 V-Series Super-LED surface mount, red <input type="checkbox"/> Option 5 Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red <input type="checkbox"/> Option 6 Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 7 Two 70R02FRR 700 Series Linear Super-LED Flashers Surface Mount, red <input type="checkbox"/> Option 8 Two 70RC6FCR 700 Series Linear Super-LED Flashers Surface Mount (split red/white) <input type="checkbox"/> Option 9 Two LINZ6R LINZ6 Series Linear Super-LED Surface Mount, red <input type="checkbox"/> Option 10 Two RSR02ZCR LIN3 Series Super-LED Surface Mount, red <input type="checkbox"/> Option 11 Two V23TPC V23 Series Super-LED surface mount, red <input type="checkbox"/> Option 12 Two WIONSMCR ION™ Super-LED chrome surface mount, red |
|---|---|

*Requires optional flange purchased separately

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2009 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

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TRUCK NUMBER



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PUMPER PACKAGE 1

LED AND ROTATING HALOGEN LIGHTING

FORM# N0914-3

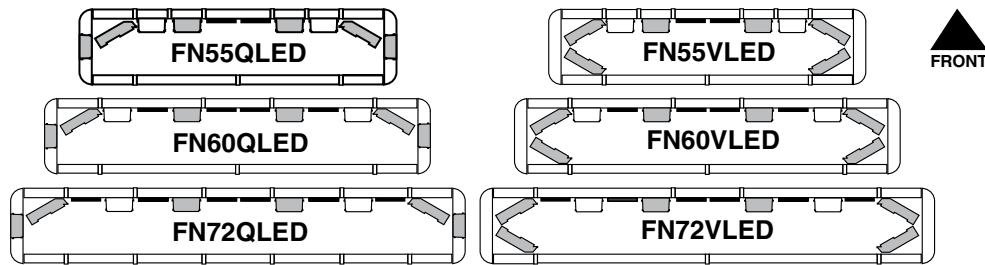
ZONE A UPPER

Choose 1 of the options below

Zone Photometric Requirement- 1,000,000 CSM

- Option 1** One FN55QLED NFPA Freedom™ LED Lightbar, clear outer lenses, std. 55"
- Option 2** One FN60QLED NFPA Freedom LED Lightbar, clear outer lenses, std. 60"
- Option 3** One FN72QLED NFPA Freedom LED Lightbar, clear outer lenses, std. 72"

- Option 4** One FN55VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 55"
- Option 5** One FN60VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 60"
- Option 6** One FN72VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 72"



ZONE A LOWER

Choose 1 of the options below

Zone Photometric Requirement- 150,000 CSM

- | | |
|---|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two 40RR5SRR* 400 Series Linear Super-LED® Surface Mount Lightheads, red <input type="checkbox"/> Option 2 Two 4V3R 400 V-Series Super-LED surface mount, red <input type="checkbox"/> Option 3 Two 50R03ZRR* 500 Series TIR6™ Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 4 Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 5 Two V23TPC V23 Series Super-LED surface mount, red <input type="checkbox"/> Option 6 Two 5V3R 500 V-Series™ Super-LED surface mount, red <input type="checkbox"/> Option 7 Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 8 Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red <input type="checkbox"/> Option 9 Two 70R02FRR 700 Series Linear Super-LED Flashers Surface Mount, red <input type="checkbox"/> Option 10 Two LINZ6R LINZ6™ Series Linear Super-LED Surface Mount, red <input type="checkbox"/> Option 11 Two RSR02ZCR LIN3™ Series Linear Super-LED Surface Mount, red <input type="checkbox"/> Option 12 Two WIONSMCR ION™ Super-LED chrome surface mount, red |
|---|---|

ZONE B UPPER

Zone Photometric Requirement- 400,000 CSM

Zone B Upper Front is covered by the lights from the Rear or Side of the Lightbar from Zone A upper
 Zone B Upper Rear is covered by One of the options chosen from Zone C Upper

ZONE B LOWER

Choose 1 of the options below

Zone Photometric Requirement- 150,000 CSM

- | | |
|---|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 2 Two 4V3R 400 V-Series Super-LED surface mount, red <input type="checkbox"/> Option 3 Two 50R03ZRR* 500 Series TIR6 Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 4 Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 5 Two V23TPC V23 Series Super-LED surface mount, red <input type="checkbox"/> Option 6 Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red <input type="checkbox"/> Option 7 Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 8 Two 70R02FRR 700 Series Linear Super-LED Flashers Surface Mount, red <input type="checkbox"/> Option 9 Two 70RC6FCR 700 Series Linear Super-LED Flashers Surface Mount (split red/white) <input type="checkbox"/> Option 10 Two LINZ6R LINZ6 Series Linear Super-LED Surface Mount, red <input type="checkbox"/> Option 11 Two RSR02ZCR LIN3 Series Linear Super-LED Surface Mount, red <input type="checkbox"/> Option 12 Two WIONSMCR ION™ Super-LED chrome surface mount, red |
|---|---|

*Requires optional flange purchased separately

CONTINUED ON NEXT PAGE

This package meets all zone requirements of NFPA 1901 specifications.

PUMPER PACKAGE 1 (cont.)

LED AND ROTATING HALOGEN LIGHTING

ZONE C UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 800,000 CSM**

- | | | | | | |
|--|---------------|--|--|--------------|---|
| <input type="checkbox"/> Option 1 | Two R316RF | Rota-Beam™ Super-LED flat mount beacon, red | <input type="checkbox"/> Option 6 | Two 90RR5FRR | 900 Series Linear Super-LED Surface Mount Lightheads, red |
| <input type="checkbox"/> Option 2 | Two RB6TRP | RB6 Series Rotating Halogen Beacons, red | <input type="checkbox"/> Option 7 | Two MCFLED2R | Micro Freedom™ Super-LED Lightheads, red |
| <input type="checkbox"/> Option 3 | Two B6TMRR1P | RBT Series Halogen Upper Rotator, Lower Level, Linear Super-LED® with flasher, red | <input type="checkbox"/> Option 8 | Two L31HRFN | L31 Series Super-LED Beacons, red |
| <input type="checkbox"/> Option 4 | Two B6370RR | Rota Beam Super LED Beacons upper section, 700 Super LED lower section, red | <input type="checkbox"/> Option 9 | Two B6MMRRP | Super-LED Beacons Upper Section, Lower Level Linear Super-LED with flasher, red |
| <input type="checkbox"/> Option 5 | Two 40RR5SRR* | 400 Series Linear Super-LED Surface Mount Lightheads, red | | | |

ZONE C LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | | | |
|--|---------------|---|---|--------------|---|
| <input type="checkbox"/> Option 1 | Two 40RR5SRR* | 400 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 7 | Two 6RBR | 600 Series Rota-Beam™ Super-LED surface mount, red |
| <input type="checkbox"/> Option 2 | Two 4V3R | 400 V-Series Super-LED surface mount, red | <input type="checkbox"/> Option 8 | Two 70R02FRR | 700 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 3 | Two 50R03ZRR* | 500 Series TIR6™ Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 9 | Two LINZ6R | LINZ6™ Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 4 | Two 50R02ZRR* | 500 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 10 | Two RSR02ZCR | LIN3 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 5 | Two 5V3R | 500 V-Series™ Super-LED surface mount, red | <input type="checkbox"/> Option 11 | Two V23TPC | V23 Series Super-LED surface mount, red |
| <input type="checkbox"/> Option 6 | Two 60R02FRR | 600 Series Linear Super-LED Flashers Surface Mount, red | <input type="checkbox"/> Option 12 | Two WIONSMCR | ION™ Super-LED chrome surface mount, red |

ZONE D UPPER **Zone Photometric Requirement- 400,000 CSM**

Zone D Upper Front is covered by the Light from the Rear or Side of Lightbar from Zone A upper
 Zone D Upper Rear is covered by One of the options chosen from Zone C upper

ZONE D LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | | | |
|--|---------------|---|---|--------------|--|
| <input type="checkbox"/> Option 1 | Two 40RR5SRR* | 400 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 7 | Two 6RBR | 600 Series Rota-Beam™ Super-LED surface mount, red |
| <input type="checkbox"/> Option 2 | Two 4V3R | 400 V-Series Super-LED surface mount, red | <input type="checkbox"/> Option 8 | Two 70R02FRR | 700 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 3 | Two 50R03ZRR* | 500 Series TIR6 Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 9 | Two 70RC6FCR | 700 Series Linear Super-LED Flashers Surface Mount (split red/white) |
| <input type="checkbox"/> Option 4 | Two 50R02ZRR* | 500 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 10 | Two LINZ6R | LINZ6 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 5 | Two V23TPC | V23 Series Super-LED surface mount, red | <input type="checkbox"/> Option 11 | Two RSR02ZCR | LIN3 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 6 | Two 60R02FRR | 600 Series Linear Super-LED Flashers Surface Mount, red | <input type="checkbox"/> Option 12 | Two WIONSMCR | ION™ Super-LED chrome surface mount, red |

*Requires optional flange purchased separately

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2009 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

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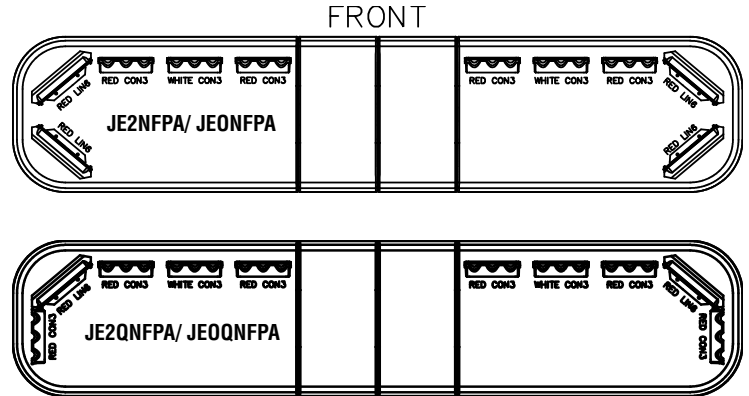
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PUMPER PACKAGE 2

LED AND ROTATING HALOGEN LIGHTING

ZONE A UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 1,000,000 CSM**

- Option 1** One Model JE2NFPA NFPA Justice® Lightbar with angled corners and clear outer lenses, 56"
- Option 2** One Model JE0NFPA NFPA Justice Lightbar with angled corners and clear outer lenses, 62"
- Option 3** One Model JE2QNFP NFPA Justice Lightbar with square corners and clear outer lenses, 56"
- Option 4** One Model JE0QNFP NFPA Justice Lightbar with square corners and clear outer lenses, 62"



ZONE A LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | |
|---|--|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two 40RR5SRR* 400 Series Linear Super-LED® Surface Mount Lighthead, red <input type="checkbox"/> Option 2 Two 50R03ZRR* 500 Series TIR6™ Super-LED Surface Mount Lighthead, red <input type="checkbox"/> Option 3 Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lighthead, red <input type="checkbox"/> Option 4 Two 4V3R 400 V-Series Super-LED surface mount, red <input type="checkbox"/> Option 5 Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 6 Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red <input type="checkbox"/> Option 7 Two 70R02FRR 700 Series Linear Super-LED Flashers Surface Mount, red <input type="checkbox"/> Option 8 Two LINZ6R LINZ6™ Series Linear Super-LED Surface Mount, red <input type="checkbox"/> Option 9 Two RSR02ZCR LIN3™ Series Linear Super-LED Surface Mount, red <input type="checkbox"/> Option 10 Two V23TPC V23 Series Super-LED surface mount, red |
|---|--|

ZONE B UPPER **Zone Photometric Requirement- 400,000 CSM**

Zone B Upper Front is covered by One Rotator from the Lightbar from Zone A upper
 Zone B Upper Rear is covered by One of the options chosen from Zone C upper

ZONE B LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | |
|---|--|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lighthead, red <input type="checkbox"/> Option 2 Two 50R03ZRR* 500 Series TIR6 Super-LED Surface Mount Lighthead, red <input type="checkbox"/> Option 3 Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lighthead, red <input type="checkbox"/> Option 4 Two 4V3R 400 V-Series Super-LED surface mount, red <input type="checkbox"/> Option 5 Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red <input type="checkbox"/> Option 6 Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 7 Two 70R02FRR 700 Series Linear Super-LED Flashers Surface Mount, red <input type="checkbox"/> Option 8 Two 70R06FCR 700 Series Linear Super-LED Flashers Surface Mount (split red/white) <input type="checkbox"/> Option 9 Two LINZ6R LINZ6 Series Linear Super-LED Surface Mount, red <input type="checkbox"/> Option 10 Two RSR02ZCR LIN3 Series Linear Super-LED Surface Mount, red <input type="checkbox"/> Option 11 Two V23TPC V23 Series Super-LED surface mount, red <input type="checkbox"/> Option 12 Two WIONSMCR ION™ Super-LED chrome surface mount, red |
|---|--|

ZONE C UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 800,000 CSM**

- | | |
|--|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two R316RF Rota-Beam™ Super-LED flat mount beacon, red <input type="checkbox"/> Option 2 Two RB6TRP RB6 Series Rotating Halogen Beacons, red <input type="checkbox"/> Option 3 Two B6TMR1P RBT Series Halogen Upper Rotator, Lower Level, Linear Super-LED with flasher, red <input type="checkbox"/> Option 4 Two B6370RR Rota Beam Super LED Beacons upper section, 700 Super LED lower section, red <input type="checkbox"/> Option 5 Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lighthead, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 6 Two 90RR5FRR 900 Series Linear Super-LED Surface Mount Lighthead, red <input type="checkbox"/> Option 7 Two MCFLED2R Micro Freedom™ Super-LED Lighthead, red <input type="checkbox"/> Option 8 Two L31HRFN L31 Series Super-LED Beacons, red <input type="checkbox"/> Option 9 Two B6MMRRP Super-LED Beacons Upper Section, Lower Level Linear Super-LED with flasher, red |
|--|---|

*Requires optional flange purchased separately

CONTINUED ON NEXT PAGE



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PUMPER PACKAGE 2 (cont.)

LED AND ROTATING HALOGEN LIGHTING

ZONE C LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | | | |
|--|---------------|---|---|--------------|--|
| <input type="checkbox"/> Option 1 | Two 40RR5SRR* | 400 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 7 | Two 70R02FRR | 700 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 2 | Two 50R03ZRR* | 500 Series TIR6™ Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 8 | Two 70RC6FCR | 700 Series Linear Super-LED Flashers Surface Mount (split red/white) |
| <input type="checkbox"/> Option 3 | Two 50R02ZRR* | 500 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 9 | Two LINZ6R | LINZ6™ Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 4 | Two 4V3R | 400 V-Series Super-LED surface mount, red | <input type="checkbox"/> Option 10 | Two RSR02ZCR | LIN3™ Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 5 | Two 60R02FRR | 600 Series Linear Super-LED Flashers Surface Mount, red | <input type="checkbox"/> Option 11 | Two V23TPC | V23 Series Super-LED surface mount, red |
| <input type="checkbox"/> Option 6 | Two 6RBR | 600 Series Rota-Beam™ Super-LED surface mount, red | <input type="checkbox"/> Option 12 | Two WIONSMCR | ION™ Super-LED chrome surface mount, red |

ZONE D UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

Zone D Upper Front is covered by One Rotator from the Lightbar from Zone A upper
 Zone D Upper Rear is covered by One of the options chosen from Zone C upper

ZONE D LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | | | |
|--|---------------|---|---|--------------|--|
| <input type="checkbox"/> Option 1 | Two 40RR5SRR* | 400 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 8 | Two 70RC6FCR | 700 Series Linear Super-LED Flashers Surface Mount (split red/white) |
| <input type="checkbox"/> Option 2 | Two 50R03ZRR* | 500 Series TIR6 Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 9 | Two LINZ6R | LINZ6 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 3 | Two 50R02ZRR* | 500 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 10 | Two RSR02ZCR | LIN3 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 4 | Two 4V3R | 400 V-Series Super-LED surface mount, red | <input type="checkbox"/> Option 11 | Two V23TPC | V23 Series Super-LED surface mount, red |
| <input type="checkbox"/> Option 5 | Two 60R02FRR | 600 Series Linear Super-LED Flashers Surface Mount, red | <input type="checkbox"/> Option 12 | Two WIONSMCR | ION™ Super-LED chrome surface mount, red |
| <input type="checkbox"/> Option 6 | Two 6RBR | 600 Series Rota-Beam™ Super-LED surface mount, red | | | |
| <input type="checkbox"/> Option 7 | Two 70R02FRR | 700 Series Linear Super-LED Flashers Surface Mount, red | | | |

*Requires optional flange purchased separately

CERTIFICATE OF COMPLIANCE WITH NFPA 1901 To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2009 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

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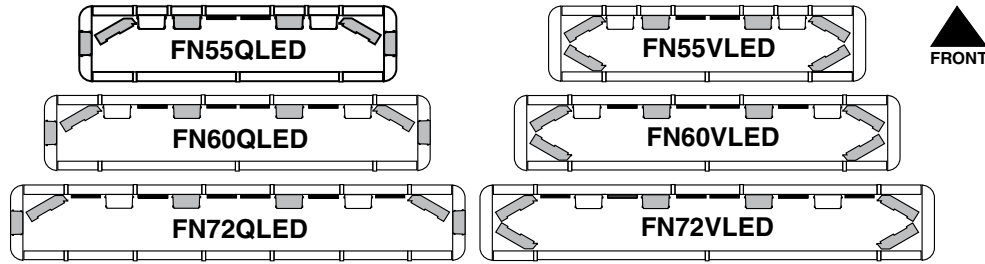
RESCUE PACKAGE 1

LED LIGHTING

ZONE A UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 1,000,000 CSM**

- Option 1** One FN55QLED NFPA Freedom™ LED Lightbar, clear outer lenses, std. 55"
- Option 2** One FN60QLED NFPA Freedom LED Lightbar, clear outer lenses, std. 60"
- Option 3** One FN72QLED NFPA Freedom LED Lightbar, clear outer lenses, std. 72"

- Option 4** One FN55VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 55"
- Option 5** One FN60VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 60"
- Option 6** One FN72VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 72"



ZONE A LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | |
|--|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two 40RR5SRR* 400 Series Linear Super-LED® Surface Mount Lightheads, red <input type="checkbox"/> Option 2 Two 4V3R 400 V-Series Super-LED surface mount, red <input type="checkbox"/> Option 3 Two 50R03ZRR* 500 Series TIR6™ Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 4 Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 5 Two V23TPC V23 Series Super-LED surface mount, red <input type="checkbox"/> Option 6 Two 5V3R 500 V-Series™ Super-LED surface mount, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 7 Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red <input type="checkbox"/> Option 8 Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red <input type="checkbox"/> Option 9 Two 70R02FRR 700 Series Linear Super-LED Flashers Surface Mount, red <input type="checkbox"/> Option 10 Two LINZ6R LINZ6™ Series Linear Super-LED Surface Mount, red <input type="checkbox"/> Option 11 Two RSR02ZCR LIN3™ Series Linear Super-LED Surface Mount, red |
|--|---|

ZONE B UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

Zone B Upper Front is covered by Light from the Rear or Side of Lightbar from Zone A upper
 Zone B Upper Rear is covered by One of the options chosen from Zone C Upper Plus Two Lightheads from the options below:

- | | |
|---|--|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 2 Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 3 Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red <input type="checkbox"/> Option 4 Two 90R05FRR 900 Series Linear Super-LED Flasher Surface Mount, red <input type="checkbox"/> Option 5 Two 90R05FCR 900 Series Linear Super-LED surface mount, red/white |
|---|--|

ZONE B LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | |
|---|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 2 Two 4V3R 400 V-Series Super-LED surface mount, red <input type="checkbox"/> Option 3 Two 50R03ZRR* 500 Series TIR6 Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 4 Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 5 Two V23TPC V23 Series Super-LED surface mount, red <input type="checkbox"/> Option 6 Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red <input type="checkbox"/> Option 7 Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 8 Two 70R02FRR 700 Series Linear Super-LED Flashers Surface Mount, red <input type="checkbox"/> Option 9 Two 70R06FCR 700 Series Linear Super-LED Flashers Surface Mount (split red/white) <input type="checkbox"/> Option 10 Two LINZ6R LINZ6 Series Linear Super-LED Surface Mount, red <input type="checkbox"/> Option 11 Two RSR02ZCR LIN3 Series Linear Super-LED Surface Mount, red <input type="checkbox"/> Option 12 Two WIONSMCR ION™ Super-LED chrome surface mount, red |
|---|---|

*Requires optional flange purchased separately

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RESCUE PACKAGE 1 (cont.)

LED LIGHTING

ZONE C UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 800,000 CSM**

- | | | | | | |
|--|---------------|--|--|--------------|--|
| <input type="checkbox"/> Option 1 | Two 40RR5SRR* | 400 Series Linear Super-LED® Surface Mount Lightheads, red | <input type="checkbox"/> Option 3 | Two 6RBR | 600 Series Rota-Beam™ Super-LED surface mount, red |
| <input type="checkbox"/> Option 2 | Two 90RR5FRR | 900 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 4 | Two 90RC5FCR | 900 Series Linear Super-LED surface mount, red/amber |

ZONE C LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | | | |
|--|---------------|--|---|--------------|--|
| <input type="checkbox"/> Option 1 | Two 40RR5SRR* | 400 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 7 | Two 6RBR | 600 Series Rota-Beam™ Super-LED surface mount, red |
| <input type="checkbox"/> Option 2 | Two 4V3R | 400 V-Series Super-LED surface mount, red | <input type="checkbox"/> Option 8 | Two 70R02FRR | 700 Series Linear Super-LED Flashers Surface Mount Lightheads, red |
| <input type="checkbox"/> Option 3 | Two 50R03ZRR* | 500 Series TIR6™ Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 9 | Two LINZ6R | LINZ6™ Series Linear Super-LED Surface Mount Lightheads, red |
| <input type="checkbox"/> Option 4 | Two 50R02ZRR* | 500 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 10 | Two RSR02ZCR | LIN3™ Series Linear Super-LED Surface Mount Lightheads, red |
| <input type="checkbox"/> Option 5 | Two 5V3R | 500 V-Series™ Super-LED surface mount, red | <input type="checkbox"/> Option 11 | Two V23TPC | V23 Series Super-LED surface mount, red |
| <input type="checkbox"/> Option 6 | Two 60R02FRR | 600 Series Linear Super-LED Flashers Surface Mount Lightheads, red | | | |

ZONE D UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

Zone D Upper Front is covered by Light from the Rear or Side of Lightbar from Zone A upper

Zone D Upper Rear is covered by One of the options chosen from Zone C Upper Plus Two Lightheads from the options below:

- | | | | | | |
|--|---------------|---|--|--------------|--|
| <input type="checkbox"/> Option 1 | Two 50R02ZRR* | 500 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 3 | Two 6RBR | 600 Series Rota-Beam™ Super-LED surface mount, red |
| <input type="checkbox"/> Option 2 | Two 60R02FRR | 600 Series Linear Super-LED Flashers Surface Mount, red | <input type="checkbox"/> Option 4 | Two 90RR5FRR | 900 Series Linear Super-LED Flasher Surface Mount, red |
| | | | <input type="checkbox"/> Option 5 | Two 90RC5FCR | 900 Series Linear Super-LED surface mount, red/white |

ZONE D LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | | | |
|--|---------------|---|---|--------------|---|
| <input type="checkbox"/> Option 1 | Two 40RR5SRR* | 400 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 7 | Two 6RBR | 600 Series Rota-Beam™ Super-LED surface mount, red |
| <input type="checkbox"/> Option 2 | Two 4V3R | 400 V-Series Super-LED surface mount, red | <input type="checkbox"/> Option 8 | Two 70R02FRR | 700 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 3 | Two 50R03ZRR* | 500 Series TIR6™ Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 9 | Two 70RC6FCR | 700 Series Linear Super-LED Flashers Surface Mount Lightheads (split red/white) |
| <input type="checkbox"/> Option 4 | Two 50R02ZRR* | 500 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 10 | Two LINZ6R | LINZ6 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 5 | Two V23TPC | V23 Series Super-LED surface mount, red | <input type="checkbox"/> Option 11 | Two RSR02ZCR | LIN3 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 6 | Two 60R02FRR | 600 Series Linear Super-LED Flashers Surface Mount, red | <input type="checkbox"/> Option 12 | Two WIONSMCR | ION™ Super-LED chrome surface mount, red |

*Requires optional flange purchased separately

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2009 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

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RESCUE PACKAGE 2

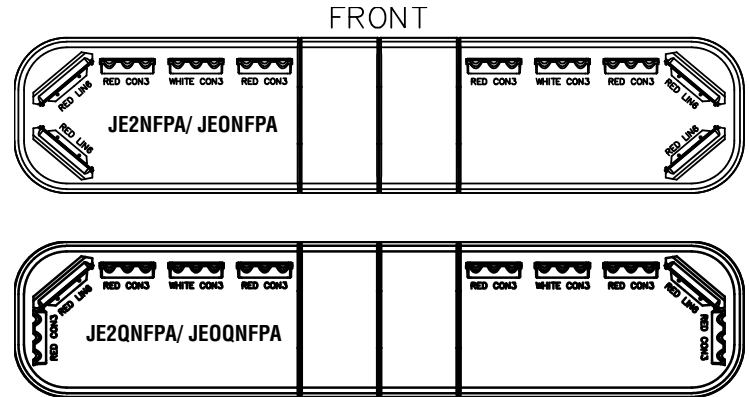
LED LIGHTING

ZONE A UPPER

Choose 1 of the options below

Zone Photometric Requirement- 1,000,000 CSM

- Option 1** One Model JE2NFPA NFPA Justice® Lightbar with angled corners and clear outer lenses, 56"
- Option 2** One Model JE0NFPA NFPA Justice Lightbar with angled corners and clear outer lenses, 62"
- Option 3** One Model JE2QNFPA NFPA Justice Lightbar with square corners and clear outer lenses, 56"
- Option 4** One Model JE0QNFPA NFPA Justice Lightbar with square corners and clear outer lenses, 62"



ZONE A LOWER

Choose 1 of the options below

Zone Photometric Requirement- 150,000 CSM

- | | |
|--|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two 40RR5SRR* 400 Series Linear Super-LED® Surface Mount Lightheads, red <input type="checkbox"/> Option 2 Two 4V3R 400 V-Series Super-LED surface mount, red <input type="checkbox"/> Option 3 Two 50R03ZRR* 500 Series TIR6™ Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 4 Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 5 Two V23TPC V23 Series Super-LED surface mount, red <input type="checkbox"/> Option 6 Two 5V3R 500 V-Series™ Super-LED surface mount, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 7 Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red <input type="checkbox"/> Option 8 Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red <input type="checkbox"/> Option 9 Two 70R02FRR 700 Series Linear Super-LED Flashers Surface Mount, red <input type="checkbox"/> Option 10 Two LINZ6R LINZ6™ Series Linear Super-LED Surface Mount, red <input type="checkbox"/> Option 11 Two RSR02ZCR LIN3™ Series Linear Super-LED Surface Mount, red |
|--|---|

ZONE B UPPER

Choose 1 of the options below

Zone Photometric Requirement- 400,000 CSM

One Rotator from the Lightbar from Zone A upper; Plus Two Lightheads from the options below:

- | | |
|---|--|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 2 Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 3 Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red <input type="checkbox"/> Option 4 Two 90RR5FRR 900 Series Linear Super-LED Flasher Surface Mount, red <input type="checkbox"/> Option 5 Two 90RC5FCR 900 Series Linear Super-LED surface mount, red/white |
|---|--|

ZONE B LOWER

Choose 1 of the options below

Zone Photometric Requirement- 150,000 CSM

- | | |
|---|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 2 Two 4V3R 400 V-Series Super-LED surface mount, red <input type="checkbox"/> Option 3 Two 50R03ZRR 500 Series TIR6 Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 4 Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 5 Two V23TPC V23 Series Super-LED surface mount, red <input type="checkbox"/> Option 6 Two 60R02FRR 600 Series Linear Super-LED Flasher Surface Mount, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 7 Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red <input type="checkbox"/> Option 8 Two 70R02FRR 700 Series Linear Super-LED Flasher Surface Mount, red <input type="checkbox"/> Option 9 Two 70RC6FCR 700 Series Linear Super-LED Flasher Surface Mount (split red/white) <input type="checkbox"/> Option 10 Two LINZ6R LINZ6 Series Linear Super-LED Surface Mount, red <input type="checkbox"/> Option 11 Two RSR02ZCR LIN3 Series Linear Super-LED Surface Mount, red <input type="checkbox"/> Option 12 Two WIONSMCR ION™ Super-LED chrome surface mount, red |
|---|---|

*Requires optional flange purchased separately

CONTINUED ON NEXT PAGE

This package meets all zone requirements of NFPA 1901 specifications.

RESCUE PACKAGE 2 (cont.)

LED LIGHTING

ZONE C UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 800,000 CSM**

- | | | | | | |
|--|---------------|--|--|--------------|--|
| <input type="checkbox"/> Option 1 | Two 40RR5SRR* | 400 Series Linear Super-LED® Surface Mount Lightheads, red | <input type="checkbox"/> Option 3 | Two 6RBR | 600 Series Rota-Beam™ Super-LED surface mount, red |
| <input type="checkbox"/> Option 2 | Two 90RR5FRR | 900 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 4 | Two 90RA5FCR | 900 Series Linear Super-LED surface mount, red/amber |
| | | | <input type="checkbox"/> Option 5 | Two 90RR5FRR | 900 Series Linear Super-LED Flashing Lighthouse Surface Mount, red |

ZONE C LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | | | |
|--|---------------|---|---|--------------|---|
| <input type="checkbox"/> Option 1 | Two 40RR5SRR* | 400 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 6 | Two 60R02FRR | 600 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 2 | Two 4V3R | 400 V-Series Super-LED surface mount, red | <input type="checkbox"/> Option 8 | Two 70R02FRR | 700 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 3 | Two 50R03ZRR* | 500 Series TIR6™ Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 9 | Two LINZ6R | LINZ6™ Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 4 | Two 50R02ZRR* | 500 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 10 | Two RSR02ZCR | LIN3™ Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 5 | Two 5V3R | 500 V-Series™ Super-LED surface mount, red | <input type="checkbox"/> Option 11 | Two V23TPC | V23 Series Super-LED surface mount, red |

ZONE D UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

One Rotator from the Lightbar from Zone A upper; Plus Two Lightheads from the options below:

- | | | | | | |
|--|---------------|---|--|--------------|--|
| <input type="checkbox"/> Option 1 | Two 50R02ZRR* | 500 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 3 | Two 6RBR | 600 Series Rota-Beam™ Super-LED surface mount, red |
| <input type="checkbox"/> Option 2 | Two 60R02FRR | 600 Series Linear Super-LED Flashers Surface Mount, red | <input type="checkbox"/> Option 4 | Two 90RR5FRR | 900 Series Linear Super-LED Flasher Surface Mount, red |
| | | | <input type="checkbox"/> Option 5 | Two 90RC5FCR | 900 Series Linear Super-LED surface mount, red/white |

ZONE D LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | | | |
|--|---------------|---|---|--------------|--|
| <input type="checkbox"/> Option 1 | Two 40RR5SRR* | 400 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 7 | Two 6RBR | 600 Series Rota-Beam™ Super-LED surface mount, red |
| <input type="checkbox"/> Option 2 | Two 4V3R | 400 V-Series Super-LED surface mount, red | <input type="checkbox"/> Option 8 | Two 70R02FRR | 700 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 3 | Two 50R03ZRR* | 500 Series TIR6 Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 9 | Two 70RC6FCR | 700 Series Linear Super-LED Flashers Surface Mount (split red/white) |
| <input type="checkbox"/> Option 4 | Two 50R02ZRR* | 500 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 10 | Two LINZ6R | LINZ6 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 5 | Two V23TPC | V23 Series Super-LED surface mount, red | <input type="checkbox"/> Option 11 | Two RSR02ZCR | LIN3 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 6 | Two 60R02FRR | 600 Series Linear Super-LED Flashers Surface Mount, red | <input type="checkbox"/> Option 12 | Two WIONSMCR | ION™ Super-LED chrome surface mount, red |

*Requires optional flange purchased separately

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2009 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

FIRE DEPARTMENT

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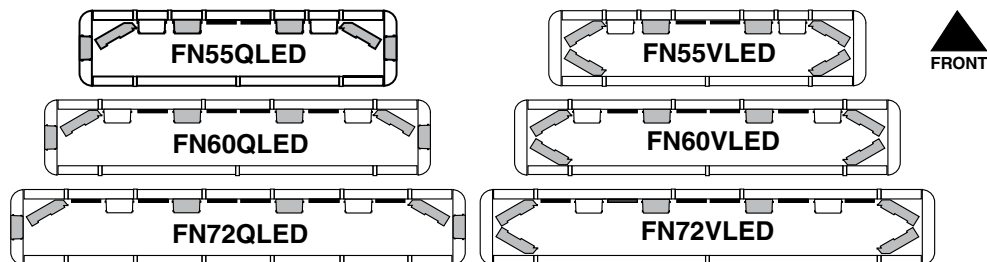
LED PACKAGE 1

LED LIGHTING

ZONE A UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 1,000,000 CSM**

- Option 1** One FN55QLED NFPA Freedom™ LED Lightbar, clear outer lenses, std. 55"
- Option 2** One FN60QLED NFPA Freedom LED Lightbar, clear outer lenses, std. 60"
- Option 3** One FN72QLED NFPA Freedom LED Lightbar, clear outer lenses, std. 72"

- Option 4** One FN55VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 55"
- Option 5** One FN60VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 60"
- Option 6** One FN72VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 72"



ZONE A LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- Option 1** Two 40RR5SRR* 400 Series Linear Super-LED® Surface Mount Lightheads, red
- Option 2** Two 4V3R 400 V-Series Super-LED surface mount, red
- Option 3** Two 50R03ZRR* 500 Series TIR6™ Super-LED Surface Mount Lightheads, red
- Option 4** Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lightheads, red
- Option 5** Two V23TPC V23 Series Super-LED surface mount, red
- Option 6** Two 5V3R 500 V-Series™ Super-LED surface mount, red

- Option 7** Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red
- Option 8** Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red
- Option 9** Two 70R02FRR 700 Series Linear Super-LED Flashers Surface Mount, red
- Option 10** Two LINZ6R LINZ6™ Series Linear Super-LED Surface Mount, red
- Option 11** Two RSR02ZCR LIN3™ Series Linear Super-LED Surface Mount, red
- Option 12** Two WIONSMCR ION™ Super-LED chrome surface mount, red

ZONE B UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

Zone B Upper Front is covered by the lights from the Rear or Side of the Lightbar from Zone A upper
 Zone B Upper Rear is covered by One of the options chosen from Zone C Upper, Plus Two Lightheads from the options below:

- Option 1** Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lightheads, red
- Option 2** Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red

- Option 3** Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red
- Option 4** Two 90RR5FRR 900 Series Linear Super-LED Flasher Surface Mount, red
- Option 5** Two 90RC5FCR 900 Series Linear Super-LED surface mount, red/white

ZONE B LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- Option 1** Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lightheads, red
- Option 2** Two 4V3R 400 V-Series Super-LED surface mount, red
- Option 3** Two 50R03ZRR* 500 Series TIR6 Super-LED Surface Mount Lightheads, red
- Option 4** Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lightheads, red
- Option 5** Two V23TPC V23 Series Super-LED surface mount, red
- Option 6** Two 60R02FRR 600 Series Linear Super-LED Flasher Surface Mount, red
- Option 7** Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red

- Option 8** Two 70R02FRR 700 Series Linear Super-LED Flashers Surface Mount, red
- Option 9** Two 70RC6FCR 700 Series Linear Super-LED Flashers Surface Mount, (split red/white)
- Option 10** Two LINZ6R LINZ6 Series Linear Super-LED Surface Mount, red
- Option 11** Two RSR02ZCR LIN3 Series Linear Super-LED Surface Mount, red
- Option 12** Two WIONSMCR ION™ Super-LED chrome surface mount, red

*Requires optional flange purchased separately

CONTINUED ON NEXT PAGE

This package meets all zone requirements of NFPA 1901 specifications.

LED PACKAGE 1 (cont.)

LED LIGHTING

ZONE C UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 800,000 CSM**

- | | | | | | |
|--|---------------|--|--|--------------|---|
| <input type="checkbox"/> Option 1 | Two 40RR5SRR* | 400 Series Linear Super-LED® Surface Mount Lightheads, red | <input type="checkbox"/> Option 4 | Two 90RA5FCR | 900 Series Linear Super-LED surface mount, red/amber |
| <input type="checkbox"/> Option 2 | Two 90RR5FRR | 900 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 5 | Two 90RR5FRR | 900 Series Linear Super-LED Flashing Lighthead Surface Mount, red |
| <input type="checkbox"/> Option 3 | Two 6RBR | 600 Series Rota-Beam™ Super-LED surface mount, red | <input type="checkbox"/> Option 6 | Two MCFLED2R | Micro Freedom™ Super-LED Lightheads, red |

ZONE C LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | | | |
|--|---------------|---|---|--------------|---|
| <input type="checkbox"/> Option 1 | Two 40RR5SRR* | 400 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 7 | Two 6RBR | 600 Series Rota-Beam™ Super-LED surface mount, red |
| <input type="checkbox"/> Option 2 | Two 4V3R | 400 V-Series Super-LED surface mount, red | <input type="checkbox"/> Option 8 | Two 70R02FRR | 700 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 3 | Two 50R03ZRR* | 500 Series TIR6™ Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 9 | Two LINZ6R | LINZ6™ Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 4 | Two 50R02ZRR* | 500 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 10 | Two RSR02ZCR | LIN3™ Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 5 | Two 5V3R | 500 V-Series™ Super-LED surface mount, red | <input type="checkbox"/> Option 11 | Two V23TPC | V23 Series Super-LED surface mount, red |
| <input type="checkbox"/> Option 6 | Two 60R02FRR | 600 Series Linear Super-LED Flashers Surface Mount, red | <input type="checkbox"/> Option 12 | Two WIONSMCR | ION™ Super-LED chrome surface mount, red |

ZONE D UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

Zone D Upper Front is covered by Light from the Rear or Side of Lightbar from Zone A upper
 Zone D Upper Rear is covered by One of the options chosen from Zone C Upper Plus Two Lightheads from the options below:

- | | | | | | |
|--|---------------|---|--|--------------|--|
| <input type="checkbox"/> Option 1 | Two 50R02ZRR* | 500 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 3 | Two 6RBR | 600 Series Rota-Beam™ Super-LED surface mount, red |
| <input type="checkbox"/> Option 2 | Two 60R02FRR | 600 Series Linear Super-LED Flashers Surface Mount, red | <input type="checkbox"/> Option 4 | Two 90RR5FRR | 900 Series Linear Super-LED Flasher Surface Mount, red |
| | | | <input type="checkbox"/> Option 5 | Two 90RC5FCR | 900 Series Linear Super-LED surface mount, red/white |

ZONE D LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | | | |
|--|---------------|---|---|--------------|--|
| <input type="checkbox"/> Option 1 | Two 40RR5SRR* | 400 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 7 | Two 6RBR | 600 Series Rota-Beam™ Super-LED surface mount, red |
| <input type="checkbox"/> Option 2 | Two 4V3R | 400 V-Series Super-LED surface mount, red | <input type="checkbox"/> Option 8 | Two 70R02FRR | 700 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 3 | Two 50R03ZRR* | 500 Series TIR6 Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 9 | Two 70RC6FCR | 700 Series Linear Super-LED Flashers Surface Mount (split red/white) |
| <input type="checkbox"/> Option 4 | Two 50R02ZRR* | 500 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 10 | Two LINZ6R | LINZ6 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 5 | Two V23TPC | V23 Series Super-LED surface mount, red | <input type="checkbox"/> Option 11 | Two RSR02ZCR | LIN3 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 6 | Two 60R02FRR | 600 Series Linear Super-LED Flashers Surface Mount, red | <input type="checkbox"/> Option 12 | Two WIONSMCR | ION™ Super-LED chrome surface mount, red |

*Requires optional flange purchased separately

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2009 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

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AERIAL, PUMPER, RESCUE PACKAGE 1

This package meets all lower zone requirements of NFPA 1901 specifications.

LED LIGHTING, LOWER ZONE ONLY

ZONE A LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | | | |
|--|---------------|---|---|--------------|---|
| <input type="checkbox"/> Option 1 | Two 40RR5SRR* | 400 Series Linear Super-LED® Surface Mount Lighthead, red | <input type="checkbox"/> Option 7 | Two 60R02FRR | 600 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 2 | Two 4V3R | 400 V-Series Super-LED surface mount, red | <input type="checkbox"/> Option 8 | Two 6RBR | 600 Series Rota-Beam™ Super-LED surface mount, red |
| <input type="checkbox"/> Option 3 | Two 50R03ZRR* | 500 Series TIR6™ Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 9 | Two 70R02FRR | 700 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 4 | Two 50R02ZRR* | 500 Series Linear Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 10 | Two LINZ6R | LINZ6™ Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 5 | Two V23TPC | V23 Series Super-LED surface mount, red | <input type="checkbox"/> Option 11 | Two RSR02ZCR | LIN3™ Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 6 | Two 5V3R | 500 V-Series™ Super-LED surface mount, red | <input type="checkbox"/> Option 12 | Two WIONSMCR | ION™ Super-LED chrome surface mount, red |

ZONE B LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | | | |
|--|---------------|--|---|--------------|--|
| <input type="checkbox"/> Option 1 | Two 40RR5SRR* | 400 Series Linear Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 7 | Two 6RBR | 600 Series Rota-Beam™ Super-LED surface mount, red |
| <input type="checkbox"/> Option 2 | Two 4V3R | 400 V-Series Super-LED surface mount, red | <input type="checkbox"/> Option 8 | Two 70R02FRR | 700 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 3 | Two 50R03ZRR* | 500 Series TIR6 Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 9 | Two 70RC6FCR | 700 Series Linear Super-LED Flashers Surface Mount (split red/white) |
| <input type="checkbox"/> Option 4 | Two 50R02ZRR* | 500 Series Linear Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 10 | Two LINZ6R | LINZ6 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 5 | Two V23TPC | V23 Series Super-LED surface mount, red | <input type="checkbox"/> Option 11 | Two RSR02ZCR | LIN3 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 6 | Two 60R02FRR | 600 Series Linear Super-LED Flashers Surface Mount, red | <input type="checkbox"/> Option 12 | Two WIONSMCR | ION™ Super-LED chrome surface mount, red |

ZONE C LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | | | |
|--|---------------|--|---|--------------|---|
| <input type="checkbox"/> Option 1 | Two 40RR5SRR* | 400 Series Linear Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 7 | Two 60R02FRR | 600 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 2 | Two 4V3R | 400 V-Series Super-LED surface mount, red | <input type="checkbox"/> Option 8 | Two 6RBR | 600 Series Rota-Beam™ Super-LED surface mount, red |
| <input type="checkbox"/> Option 3 | Two 50R03ZRR* | 500 Series TIR6 Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 9 | Two 70R02FRR | 700 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 4 | Two 50R02ZRR* | 500 Series Linear Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 10 | Two LINZ6R | LINZ6 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 5 | Two V23TPC | V23 Series Super-LED surface mount, red | <input type="checkbox"/> Option 11 | Two RSR02ZCR | LIN3 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 6 | Two 5V3R | 500 V-Series™ Super-LED surface mount, red | <input type="checkbox"/> Option 12 | Two WIONSMCR | ION™ Super-LED chrome surface mount, red |

ZONE D LOWER *Choose 1 of the options below* **Zone Photometric Requirement- 150,000 CSM**

- | | | | | | |
|--|---------------|--|---|--------------|--|
| <input type="checkbox"/> Option 1 | Two 40RR5SRR* | 400 Series Linear Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 7 | Two 6RBR | 600 Series Rota-Beam™ Super-LED surface mount, red |
| <input type="checkbox"/> Option 2 | Two 4V3R | 400 V-Series Super-LED surface mount, red | <input type="checkbox"/> Option 8 | Two 70R02FRR | 700 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 3 | Two 50R03ZRR* | 500 Series TIR6 Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 9 | Two 70RC6FCR | 700 Series Linear Super-LED Flashers Surface Mount (split red/white) |
| <input type="checkbox"/> Option 4 | Two 50R02ZRR* | 500 Series Linear Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 10 | Two LINZ6R | LINZ6 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 5 | Two V23TPC | V23 Series Super-LED surface mount, red | <input type="checkbox"/> Option 11 | Two RSR02ZCR | LIN3 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 6 | Two 60R02FRR | 600 Series Linear Super-LED Flashers Surface Mount, red | <input type="checkbox"/> Option 12 | Two WIONSMCR | ION™ Super-LED chrome surface mount, red |

*Requires optional flange purchased separately

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2009 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

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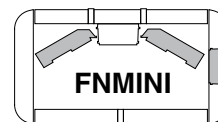
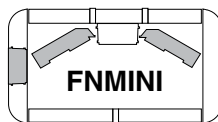
UPPER ZONE AERIAL PACKAGE 1

LED AND ROTATING HALOGEN LIGHTING

This package meets all upper zone requirements of NFPA 1901 specifications.

ZONE A UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 1,000,000 CSM**

- Option 1** Two Model FNMINI Mini Freedom™ LED Lightbars, 24", clear outer lenses, mount straight or angled



ZONE B UPPER **Zone Photometric Requirement- 400,000 CSM**

Zone B Upper Front is covered by the lights from the Rear or Side of the Lightbar from Zone A upper
 Zone B Upper Rear is covered by One of the options chosen from Zone C Upper

ZONE C UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 800,000 CSM**

- | | |
|--|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two R316RF Rota-Beam™ Super-LED flat mount beacon, red <input type="checkbox"/> Option 2 Two RB6TRP RB6 Series Rotating Halogen Beacons, red <input type="checkbox"/> Option 3 Two B6TMRR1P RBT Series Halogen Upper Rotator, Lower Level, Linear Super-LED® with flasher, red <input type="checkbox"/> Option 4 Two B6370RR Rota Beam Super LED Beacons upper section, 700 Super LED lower section, red <input type="checkbox"/> Option 5 Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lighthead, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 6 Two 90RR5FRR 900 Series Linear Super-LED Surface Mount Lighthead, red <input type="checkbox"/> Option 7 Two MCFLED2R Micro Freedom™ Super-LED Lighthead, red <input type="checkbox"/> Option 8 Two L31HRFN L31 Series Super-LED Beacons, red <input type="checkbox"/> Option 9 Two B6MMRRP Super-LED Beacons Upper Section, Lower Level Linear Super-LED with flasher, red |
|--|---|

*Requires optional flange purchased separately

ZONE D UPPER **Zone Photometric Requirement- 400,000 CSM**

Zone D Upper Front is covered by Light from the Rear or Side of Lightbar from Zone A upper
 Zone D Upper Rear is covered by One of the options chosen from Zone C Upper

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2009 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

FIRE DEPARTMENT _____

TRUCK NUMBER _____

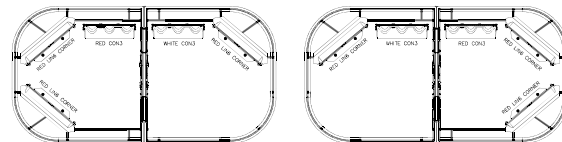
UPPER ZONE AERIAL PACKAGE 2

This package meets all upper zone requirements of NFPA 1901 specifications.

LED AND ROTATING AND HALOGEN LIGHTING

ZONE A UPPER **Zone Photometric Requirement- 1,000,000 CSM**

- Option 1** Model JNMINI pair of Mini Justice® LED Lightbars, 24", with clear outer lenses



ZONE B UPPER **Zone Photometric Requirement- 400,000 CSM**

Zone B Upper Front is covered by the Rotator from the Model DI4SMN Lightbar from Zone A upper
 Zone B Upper Rear is covered by One of the options chosen from Zone C Upper

ZONE C UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 800,000 CSM**

- | | |
|---|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two R316RF Rota-Beam™ Super-LED® flat mount beacon, red <input type="checkbox"/> Option 2 Two RB6TRP RB6 Series Rotating Halogen Beacons, red <input type="checkbox"/> Option 3 Two B6TMRR1P RBT Series Halogen Upper Rotator, Lower Level, Linear Super-LED with flasher, red <input type="checkbox"/> Option 4 Two B6370RR Rota Beam Super LED Beacons upper section, 700 Super LED lower section, red <input type="checkbox"/> Option 5 Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lightheads, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 6 Two 90RR5FRR 900 Series Linear Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 7 Two MCFLED2R Micro Freedom™ Super-LED Lightheads, red <input type="checkbox"/> Option 8 Two L31HRFN L31 Series Super-LED Beacons, red <input type="checkbox"/> Option 9 Two B6MMRRP Super-LED Beacons Upper Section, Lower Level Linear Super-LED with flasher, red |
|---|---|

*Requires optional flange purchased separately

ZONE D UPPER **Zone Photometric Requirement- 400,000 CSM**

Zone D Upper Front is covered by the Rotator from the Model DI4SMN Lightbar from Zone A upper
 Zone D Upper Rear is covered by One of the options chosen from Zone C Upper

CERTIFICATE OF COMPLIANCE WITH NFPA 1901 To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2009 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

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UPPER ZONE PUMPER PACKAGE 1

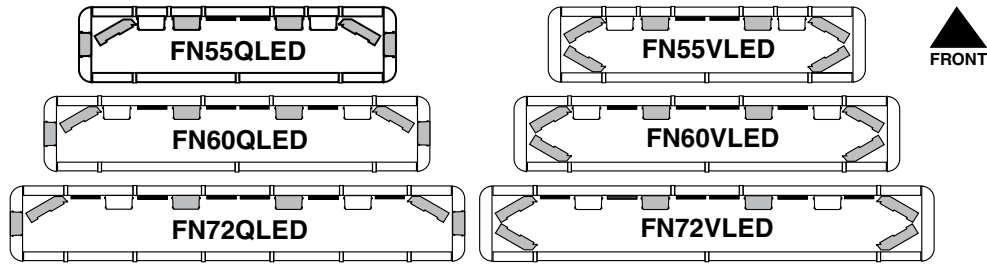
This package meets all upper zone requirements of NFPA 1901 specifications.

LED AND ROTATING HALOGEN LIGHTING

ZONE A UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 1,000,000 CSM**

- Option 1** One FN55QLED NFPA Freedom™ LED Lightbar, clear outer lenses, std. 55"
- Option 2** One FN60QLED NFPA Freedom LED Lightbar, clear outer lenses, std. 60"
- Option 3** One FN72QLED NFPA Freedom LED Lightbar, clear outer lenses, std. 72"

- Option 4** One FN55VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 55"
- Option 5** One FN60VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 60"
- Option 6** One FN72VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 72"



ZONE B UPPER *Zone Photometric Requirement- 400,000 CSM*

Zone B Upper Front is covered by the lights from the Rear or Side of the Lightbar from Zone A upper
 Zone B Upper Rear is covered by One of the options chosen from Zone C Upper

ZONE C UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 800,000 CSM**

- | | |
|--|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two R316RF Rota-Beam™ Super-LED® flat mount beacon, red <input type="checkbox"/> Option 2 Two RB6TRP RB6 Series Rotating Halogen Beacons, red <input type="checkbox"/> Option 3 Two B6TMRR1P RBT Series Halogen Upper Rotator, Lower Level, Linear Super-LED with flasher, red <input type="checkbox"/> Option 4 Two B6370RR Rota Beam Super LED Beacons upper section, 700 Super LED lower section, red <input type="checkbox"/> Option 5 Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lighthead, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 6 Two 90RR5FRR 900 Series Linear Super-LED Surface Mount Lighthead, red <input type="checkbox"/> Option 7 Two MCFLED2R Micro Freedom™ Super-LED Lighthead, red <input type="checkbox"/> Option 8 Two L31HRFN L31 Series Super-LED Beacons, red <input type="checkbox"/> Option 9 Two B6MMRRP Super-LED Beacons Upper Section, Lower Level Linear Super-LED with flasher, red |
|--|---|

*Requires optional flange purchased separately

ZONE D UPPER *Zone Photometric Requirement- 400,000 CSM*

Zone D Upper Front is covered by Light from the Rear or Side of Lightbar from Zone A upper
 Zone D Upper Rear is covered by One of the options chosen from Zone C Upper

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2009 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

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UPPER ZONE PUMPER PACKAGE 2

LED AND ROTATING HALOGEN LIGHTING

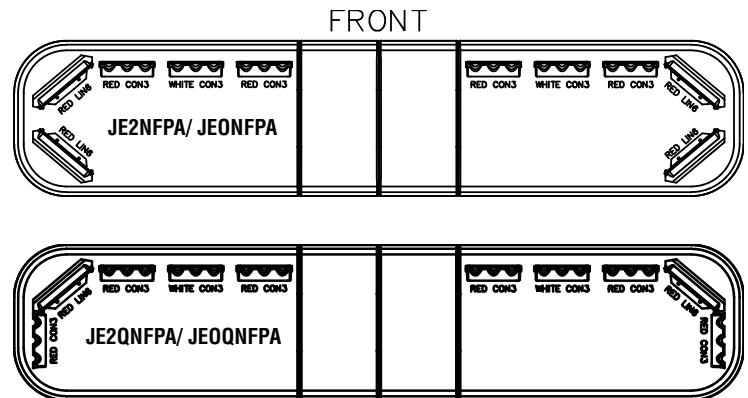
This package meets all upper zone requirements of NFPA 1901 specifications.

ZONE A UPPER

Choose 1 of the options below

Zone Photometric Requirement- 1,000,000 CSM

- Option 1** One Model JE2NFPA NFPA Justice® Lightbar with angled corners and clear outer lenses, 56"
- Option 2** One Model JE0NFPA NFPA Justice Lightbar with angled corners and clear outer lenses, 62"
- Option 3** One Model JE2QNFPFA NFPA Justice Lightbar with square corners and clear outer lenses, 56"
- Option 4** One Model JE0QNFPFA NFPA Justice Lightbar with square corners and clear outer lenses, 62"



ZONE B UPPER

Zone Photometric Requirement- 400,000 CSM

Zone B Upper Front is covered by the Rotator from the Lightbar from Zone A upper
 Zone B Upper Rear is covered by One of the Options chosen from Zone C upper

ZONE C UPPER

Choose 1 of the options below

Zone Photometric Requirement- 800,000 CSM

- | | |
|---|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Option 1 Two R316RF Rota-Beam™ Super-LED® flat mount beacon, red <input type="checkbox"/> Option 2 Two RB6TRP RB6 Series Rotating Halogen Beacons, red <input type="checkbox"/> Option 3 Two B6TMRR1P RBT Series Halogen Upper Rotator, Lower Level, Linear Super-LED with flasher, red <input type="checkbox"/> Option 4 Two B6370RR Rota Beam Super LED Beacons upper section, 700 Super LED lower section, red <input type="checkbox"/> Option 5 Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lightheads, red | <ul style="list-style-type: none"> <input type="checkbox"/> Option 6 Two 90RR5FRR 900 Series Linear Super-LED Surface Mount Lightheads, red <input type="checkbox"/> Option 7 Two MCFLED2R Micro Freedom™ Super-LED Lightheads, red <input type="checkbox"/> Option 8 Two L31HRFN L31 Series Super-LED Beacons, red <input type="checkbox"/> Option 9 Two B6MMRRP Super-LED Beacons Upper Section, Lower Level Linear Super-LED with flasher, red |
|---|---|

*Requires optional flange purchased separately

ZONE D UPPER

Zone Photometric Requirement- 400,000 CSM

Zone D Upper Front is covered by the Rotator from the Lightbar from Zone A upper
 Zone D Upper Rear is covered by One of the Options chosen from Zone C upper

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2009 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

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UPPER ZONE RESCUE PACKAGE 1

LED LIGHTING

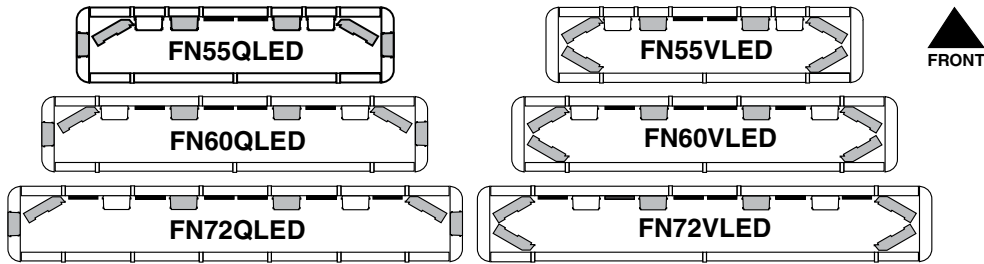
This package meets all upper zone requirements of NFPA 1901 specifications.

ZONE A UPPER

Choose 1 of the options below

Zone Photometric Requirement- 1,000,000 CSM

- Option 1** One FN55QLED NFPA Freedom™ LED Lightbar, clear outer lenses, std. 55"
- Option 2** One FN60QLED NFPA Freedom LED Lightbar, clear outer lenses, std. 60"
- Option 3** One FN72QLED NFPA Freedom LED Lightbar, clear outer lenses, std. 72"
- Option 4** One FN55VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 55"
- Option 5** One FN60VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 60"
- Option 6** One FN72VLED NFPA Freedom LED Lightbar, clear outer lenses, std. 72"



ZONE B UPPER

Choose 1 of the options below

Zone Photometric Requirement- 400,000 CSM

Zone B Upper Front is covered by the lights from the Rear or Side of the Lightbar from Zone A upper;
Plus Two Lighthead from the options below:

- Option 1** Two 50R02ZRR* 500 Series Linear Super-LED® Surface Mount Lighthead, red
- Option 2** Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red

- Option 3** Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red
- Option 4** Two 90RR5FRR 900 Series Linear Super-LED Flasher Surface Mount, red
- Option 5** Two 90RC5FCR 900 Series Linear Super-LED surface mount, red/white

ZONE C UPPER

Choose 1 of the options below

Zone Photometric Requirement- 800,000 CSM

- Option 1** Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lighthead, red
- Option 2** Two 90RR5FRR 900 Series Linear Super-LED Surface Mount Lighthead, red

- Option 3** Two 6RBR 600 Series Rota-Beam Super-LED surface mount, red
- Option 4** Two 90RA5FCR 900 Series Linear Super-LED surface mount, red/amber

ZONE D UPPER

Choose 1 of the options below

Zone Photometric Requirement- 400,000 CSM

Zone D Upper Front is covered by Light from the Rear or Side of Lightbar from Zone A upper;
Plus Two Lighthead from the options below:

- Option 1** Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lighthead, red
- Option 2** Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red
- Option 3** Two 6RBR 600 Series Rota-Beam Super-LED surface mount, red

- Option 4** Two 90RR5FRR 900 Series Linear Super-LED Flasher Surface Mount, red
- Option 5** Two 90RC5FCR 900 Series Linear Super-LED surface mount, red/white

*Requires optional flange purchased separately

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2009 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

FIRE DEPARTMENT _____

TRUCK NUMBER _____

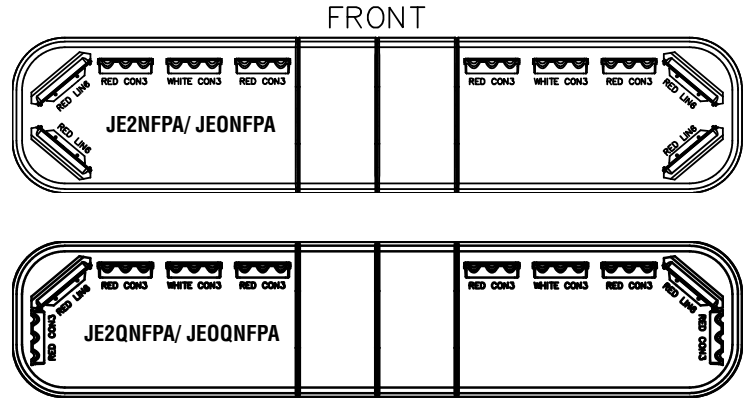
UPPER ZONE RESCUE PACKAGE 2

This package meets all upper zone requirements of NFPA 1901 specifications.

LED LIGHTING

ZONE A UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 1,000,000 CSM**

- Option 1** One Model JE2NFPA NFPA Justice® Lightbar with angled corners and clear outer lenses, 56"
- Option 2** One Model JE0NFPA NFPA Justice Lightbar with angled corners and clear outer lenses, 62"
- Option 3** One Model JE2QNFPFA NFPA Justice Lightbar with square corners and clear outer lenses, 56"
- Option 4** One Model JE0QNFPFA NFPA Justice Lightbar with square corners and clear outer lenses, 62"



ZONE B UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

The Rotator from the Lightbar from Zone A upper; Plus Two Lighthead from the options below:

- Option 1** Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lighthead, red
- Option 2** Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red
- Option 3** Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red

- Option 4** Two 90RR5FRR 900 Series Linear Super-LED® Flasher Surface Mount, red
- Option 5** Two 90RC5FCR 900 Series Linear Super-LED surface mount, red/whiter

ZONE C UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 800,000 CSM**

- Option 1** Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lighthead, red
- Option 2** Two 90RR5FRR 900 Series Linear Super-LED Surface Mount Lighthead, red

- Option 3** Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red
- Option 4** Two 90RA5FCR 900 Series Linear Super-LED surface mount, red/amber

ZONE D UPPER *Choose 1 of the options below* **Zone Photometric Requirement- 400,000 CSM**

The Rotator from the Lightbar from Zone A upper; Plus Two Lighthead from the options below:

- Option 1** Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lighthead, red
- Option 2** Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red
- Option 3** Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red

- Option 4** Two 90RR5FRR 900 Series Linear Super-LED Flasher Surface Mount, red
- Option 5** Two 90RC5FCR 900 Series Linear Super-LED surface mount, red/white

*Requires optional flange purchased separately

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2009 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

FIRE DEPARTMENT _____

TRUCK NUMBER _____

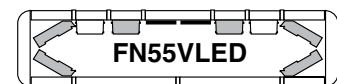
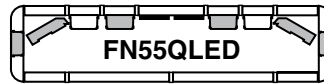


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SMALL APPARATUS (25' or Less) PACKAGE 1**LED LIGHTING****Zone A UPPER and LOWER Combined****Zone Photometric Requirement- 1,000,000 CSM****Choose 1 of the options for the Upper Zone**

- Option 1** One FN55VLED NFPA Freedom™ LED Lightbar, 55"
 Option 2 One FN55QLED NFPA Freedom LED Lightbar, 55"

**Choose 1 of the options for the Lower Zone**

- | | |
|---|--|
| <input type="checkbox"/> Option 1 Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 7 Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red |
| <input type="checkbox"/> Option 2 Two 4V3R 400 V-Series Super-LED surface mount, red | <input type="checkbox"/> Option 8 Two 70R02FRR 700 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 3 Two 50R03ZRR* 500 Series TIR6™ Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 9 Two 70RC6FCR 700 Series Linear Super-LED Flashers Surface Mount (split red/white) |
| <input type="checkbox"/> Option 4 Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 10 Two LINZ6R LINZ6™ Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 5 Two V23TPC V23 Series Super-LED surface mount, red | <input type="checkbox"/> Option 11 Two WIONSMCR ION™ Super-LED chrome surface mount, red |
| <input type="checkbox"/> Option 6 Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red | |

Zone B UPPER and LOWER Combined**Zone Photometric Requirement- 200,000 CSM**

Zone B Upper Front is covered by the lights from the Rear or Side of the Lightbar from Zone A upper Plus One of the Options Below:

Choose 1 of the options for the Upper or Lower Zone

- | | |
|---|--|
| <input type="checkbox"/> Option 1 Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 7 Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red |
| <input type="checkbox"/> Option 2 Two 4V3R 400 V-Series Super-LED surface mount, red | <input type="checkbox"/> Option 8 Two 70R02FRR 700 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 3 Two V23TPC V23 Series Super-LED surface mount, red | <input type="checkbox"/> Option 9 Two 70RC6FCR 700 Series Linear Super-LED Flashers Surface Mount (split red/white) |
| <input type="checkbox"/> Option 4 Three 50R03FRR* 500 Series TIR6™ Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 10 Two 90RR5FRR 900 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 5 Three 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 11 Two LINZ6R LINZ6 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 6 Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red | <input type="checkbox"/> Option 12 Two WIONSMCR ION™ Super-LED chrome surface mount, red |

ZONE C UPPER and LOWER Combined**Zone Photometric Requirement- 800,000 CSM****Choose 1 of the options for the Upper or Lower Zone**

- | | |
|--|---|
| <input type="checkbox"/> Option 1 Two R316RF Rota-Beam™ Super-LED flat mount beacon, red | <input type="checkbox"/> Option 7 Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red |
| <input type="checkbox"/> Option 2 Two RB6TRP RB6 Series Rotating Halogen Beacons, red | <input type="checkbox"/> Option 8 Two 90RR5FRR 900 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 3 Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 9 Two MCFLED2R Micro Freedom™ Super-LED Lighthead, red |
| <input type="checkbox"/> Option 4 Four 50R03ZRR* 500 Series TIR6 Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 10 Two L31HRFN L31 Series Super-LED Beacons, red |
| <input type="checkbox"/> Option 5 Four 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lighthead, red | <input type="checkbox"/> Option 11 Two LINZ6R LINZ6 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 6 Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red | |

CONTINUED ON NEXT PAGE

SMALL APPARATUS (25' or Less) PACKAGE 1 (cont.)

This package meets all zone requirements of NFPA 1901 specifications.

LED LIGHTING

Zone D UPPER and LOWER Combined

Zone Photometric Requirement- 200,000 CSM

Zone D Upper Front is covered by the lights from the Rear or Side of the Lightbar from Zone A upper

Choose 1 of the options for the Upper or Lower Zone

- | | |
|--|---|
| <input type="checkbox"/> Option 1 Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 5 Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 2 Four 50R03ZRR* 500 Series TIR6 Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 6 Two 70R02FRR 700 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 3 Three 50R03ZRR* 500 Series TIR6™ Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 7 Two LINZ6R LINZ6 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 4 Three 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lightheads, red | |

CERTIFICATE OF COMPLIANCE WITH NFPA 1901

To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2009 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

FIRE DEPARTMENT _____

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SMALL APPARATUS (25' or Less) PACKAGE 2

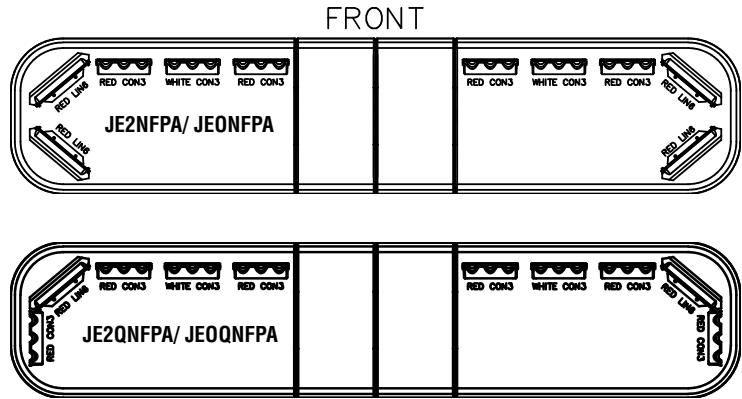
LED AND ROTATING HALOGEN LIGHTING

ZONE A UPPER and LOWER Combined

Zone Photometric Requirement- 1,000,000 CSM

Choose 1 of the options for the Upper Zone

- Option 1** One Model JE2NFPA NFPA Justice® Lightbar with angled corners and clear outer lenses, 56"
- Option 2** One Model JE0NFPA NFPA Justice Lightbar with angled corners and clear outer lenses, 62"
- Option 3** One Model JE2QNFPFA NFPA Justice Lightbar with square corners and clear outer lenses, 56"
- Option 4** One Model JE0QNFPFA NFPA Justice Lightbar with square corners and clear outer lenses, 62"



Choose 1 of the options for the Upper Zone

- Option 1** Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lightheads, red
- Option 2** Two 4V3R 400 V-Series Super-LED surface mount, red
- Option 3** Two 50R03ZRR* 500 Series TIR6 Super-LED Surface Mount Lightheads, red
- Option 4** Two 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lightheads, red
- Option 5** Two V23TPC V23 Series Super-LED surface mount, red
- Option 6** Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red
- Option 7** Two 6RBR 600 Series Rota-Beam™ Super-LED surface mount, red
- Option 8** Two 70R02FRR 700 Series Linear Super-LED Surface Mount Lightheads, red
- Option 9** Two 70RC6FCR 700 Series Linear Super-LED Flashers Surface Mount (split red/white)
- Option 10** Two LINZ6R LINZ6™ Series Linear Super-LED Surface Mount, red
- Option 11** Two WIONSMCR ION™ Super-LED chrome surface mount, red

ZONE B UPPER and LOWER Combined

Zone Photometric Requirement- 200,000 CSM

Zone B Upper is covered by the Rotator from the Lightbar from Zone A upper; Plus One of the Options Below:

Choose 1 of the options for the Upper or Lower Zone

- Option 1** Two 40RR5SRR* 400 Series Linear Super-LED Surface Mount Lightheads, red
- Option 2** Two 4V3R 400 V-Series Super-LED surface mount, red
- Option 3** Two V23TPC V23 Series Super-LED surface mount, red
- Option 4** Three 50R03ZRR* 500 Series TIR6 Super-LED Surface Mount Lightheads, red
- Option 5** Three 50R02ZRR* 500 Series Linear Super-LED Surface Mount Lightheads, red
- Option 6** Two 60R02FRR 600 Series Linear Super-LED Flashers Surface Mount, red
- Option 7** Two 6RBR 600 Series Rota-Beam Super-LED surface mount, red
- Option 8** Two 70R02FRR 700 Series Linear Super-LED Flashers Surface Mount, red
- Option 9** Two 70RC6FCR 700 Series Linear Super-LED Flashers Surface Mount (split red/white)
- Option 10** Two 90RR5FRR 900 Series Linear Super-LED Flashers Surface Mount, red
- Option 11** Two LINZ6R LINZ6 Series Linear Super-LED Surface Mount, red
- Option 12** Two WIONSMCR ION™ Super-LED chrome surface mount, red

CONTINUED ON NEXT PAGE

SMALL APPARATUS (25' or Less) PACKAGE 2 (cont.)

This package meets all zone requirements of NFPA 1901 specifications.

LED AND ROTATING HALOGEN LIGHTING

ZONE C UPPER and LOWER Combined

Zone Photometric Requirement- 800,000 CSM

Choose 1 of the options for the Upper Zone or Lower Zone

- | | | | | | |
|--|----------------|---|---|--------------|---|
| <input type="checkbox"/> Option 1 | Two R316RF | Rota-Beam Super-LED flat mount beacon, red | <input type="checkbox"/> Option 7 | Two 6RBR | 600 Series Rota-Beam Super-LED surface mount, red |
| <input type="checkbox"/> Option 2 | Two RB6TRP | RB6 Series Rotating Halogen Beacons, red | <input type="checkbox"/> Option 8 | Two 90RR5FRR | 900 Series Linear Super-LED Surface Mount Lightheads, red |
| <input type="checkbox"/> Option 3 | Two 40RR5SRR* | 400 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 9 | Two MCFLED2R | Micro Freedom™ Super-LED, red |
| <input type="checkbox"/> Option 4 | Four 50R03ZRR* | 500 Series TIR6 Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 10 | Two L31HRFN | L31 Series Super-LED Beacons, red |
| <input type="checkbox"/> Option 5 | Four 50R02ZRR* | 500 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 11 | Two LINZ6R | LINZ6 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 6 | Two 60R02FRR | 600 Series Linear Super-LED Flashers Surface Mount, red | | | |

ZONE D UPPER and LOWER Combined

Zone Photometric Requirement- 200,000 CSM

Zone D Upper is covered by the Rotator from the Lightbar from Zone A upper; Plus One of the Options Below:

Choose 1 of the options for the Upper or Lower Zone

- | | | | | | |
|--|-----------------|---|--|--------------|---|
| <input type="checkbox"/> Option 1 | Two 40RR5SRR* | 400 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 6 | Two 70R02FRR | 700 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 2 | Two 4V3R | 400 V-Series Super-LED surface mount, red | <input type="checkbox"/> Option 7 | Two 90RR5FRR | 900 Series Linear Super-LED Flashers Surface Mount, red |
| <input type="checkbox"/> Option 3 | Three 50R03ZRR* | 500 Series TIR6 Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 8 | Two LINZ6R | LINZ6 Series Linear Super-LED Surface Mount, red |
| <input type="checkbox"/> Option 4 | Three 50R02ZRR* | 500 Series Linear Super-LED Surface Mount Lightheads, red | <input type="checkbox"/> Option 9 | Two WIONSMCR | ION™ Super-LED chrome surface mount, red |
| <input type="checkbox"/> Option 5 | Two 60R02FRR | 600 Series Linear Super-LED Flashers Surface Mount, red | | | |

*Requires optional flange purchased separately

CERTIFICATE OF COMPLIANCE WITH NFPA 1901 To Meet Certification, Check Box for the Option Chosen in Each Appropriate Zone

Note: This system is tested and certified by Whelen Engineering Company, Inc. to meet all requirements for the NFPA 1901 Standards for Automotive Fire Apparatus (2009 Edition). See Chapter 13 titled: Low Voltage Electrical Systems & Warning Devices. This System is Certified only if all optical and electrical warning devices are installed and wired in accordance to the 1901 Standard and Specifications; and also in accordance to the device manufacturers mounting and wiring specifications.

FIRE DEPARTMENT _____

TRUCK NUMBER _____



51 Winthrop Rd., Chester, CT 06412 • (860) 526-9504 • Fax: (860) 526-4078 • www.whelen.com

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Enhance your NFPA 1901 Specification Lighting Packages

295 SERIES SIREN AMPLIFIERS

All 295 Series Sirens meet and exceed California Title XIII.

295 Sirens all feature three siren warning tones, plus airhorn, Public Address and Hands-Free operation, Diagnostix™ & SI TEST®. 5 year warranty on most models.

295SLSA1 Single unit, 17 Scan-Lock™ siren tones, hard-wired microphone

295HFS2 Full function remote siren amplifier, flush mount

295HFS3 Remote, surface mount head

295HFS4 9-switch light control, surface mount head

295HFS5A ... 9-switch light control, low current switching, park kill, time out relay.

295SLSA6 Single unit, 9-switch light control, standard switching, 17 Scan-Lock siren tones, removable microphone

295HFS7 ... Remote dual tone, flush mount

295HFS9 ... Self-contained, dual or mono, 8 programmable profiles, removable microphone

295SL100 Full function, up to two 100 watt speakers, heavy-duty microphone, 17 Scan-Lock siren tones, 2 year warranty

295SL101 Full function, up to two 100 watt speakers, heavy-duty plug-in microphone, 17 Scan-Lock siren tones, 2 year warranty



295SLSA1



295HFS2



295HFS3



295HFS4



295HFS5A



295SLSA6



295HFS7



295HFS9



295SL100



295SL101

ALPHA SIREN AMPLIFIERS

ALPHA12R... 100 watt remote siren amplifier, remote switches purchased separately



ALPHA12R

100 WATT RMS SIREN SPEAKERS

For bumper and flange mounting, Projector® Series speakers produce 122.5dB, exceeding California Title XIII, Class A (120dB @ 10') and S.A.E. J1849 when used with Whelen 295HFS Series.

- SA31101D..... 100 watt speaker for driver side of 2001 to present International® Series chassis
- SA31101P..... 100 watt speaker for passenger side of 2001 to present International Series chassis
- SA32C06..... UnderPro™ dual speaker for Chevrolet Express Van, 2006-09
- SA122FMP... 100 watt speaker, polished cast aluminum speaker, flange mount

SA314 and SA315 SERIES

- SA314A..... 100 watt compact speaker for behind bumper mounting, natural aluminum
- SA315P..... 100 watt compact speaker for behind bumper mounting, black nylon composite
- SACSTCMP. Optional polished flange casting, contoured mount for SA314A

Mounting Brackets

- SAK1..... Universal Mount Kit
- SAK23..... Ford Expedition, 2007-2014
- SAK24..... Chevrolet Tahoe/Silverado, 2007-2014
- SAK25..... Chevrolet Express Van, 2006-2014
- SAK32..... Ford E350/450, 2008-2011, passenger or driver side
- SAK29..... Universal bail mount bracket, SA314 speaker
- SAK40..... Ford F-350, 2011-2014, passenger side
- SAK41..... Ford F-350, 2011-2014, driver side
- SAK42..... Dodge 4500, 2011-2013, passenger side
- SAK43..... Dodge 4500, 2011-2013, driver side
- SAK44..... Ford Explorer, 2011-2014, driver side
- SAK47..... Dodge Ram 1500, 2011-2013, passenger side
- SAK48..... Dodge Ram 1500, 2011-2013, driver side
- SAK49..... Chevy Silverado 1500, 2011-2013, passenger side
- SAK50..... Chevy Silverado 1500, 2011-2013, driver side
- SAK 51..... Ford Police Interceptor Utility, 2011-2014, passenger side
- SAK52..... Ford Police Interceptor Utility, 2011-2014, driver side
- SAK54..... Dodge Durango, 2013-2014
- SAK55..... Chevy Tahoe, 2015, passenger side
- SAK56..... Chevy Tahoe, 2015, driver side



HOWLER™ LOW FREQUENCY TONE SIREN

Includes siren amplifier and two speakers. Works in conjunction with existing siren systems (purchased separately)

HOWLER..... Siren amplifier with two speakers and vehicle specific mounting bracket.

Mounting Brackets

- HWLRB2..... Ford Expedition, 2008-20014
- HWLRB4..... Ford E-Series, 2008-20011
- HWLRB5..... Chevrolet Surburban, 2008-20014 and Tahoe, 2008-2014
- HWLRB11.... Chevrolet Express G-Series, 2011
- HWLRB12.... Ford F-250 to F550, 2011-2013
- HWLRB13.... Ford Explorer, 2011-2014
- HWLR14..... Dodge 4500, 2011
- HWLRB19.... Silverado 1500, 2014



SPECIFICATIONS

HALOGEN / LED FLASHERS

Model	Number of Outlets	Alt/Simul Outlets Max	Flash Patterns	Input Voltage	Output Current per Outlet (amps)	Output Power Total (watts)	Output Power per Outlet (watts)	Flash Rate per Outlet (FPM)
AFM1660	16	8x8	Yes	12 vdc +/- 20%	5	1040	65	Signal 75
AFM560	5 (Post)	2 Post ALT 3 Post			50/10/5/5	1105	650 / 325 / 65 / 65	
ALF530 (LED)					20/10/5/5	617.5	325 / 132.5 / 65 / 65	
ULF28 (LED)	8	4x4		12.8	1.25	115	15.36	5 Patterns
ULF44	4	2x2	5		240	60	62 Patterns	

LIGHTHEADS

Lighthouse	Lamp Type	SmartLED® or flasher	High / Max	Low / Average
ION WIDE ANGLE SERIES WARNING				
WIONSM	Super-LED®	SmartLED	1.0 (max)	.40 (avg)
ROTA-BEAM™ WARNING				
6RB	Super-LED	SmartLED	1.0 (max)	.40 (avg)
M SERIES WARNING				
M4	Linear-LED®	SmartLED	1.5A (max)	0.6A (avg)
M6			2.25A (max)	0.9A (avg)
M7			2.25A (max)	0.9A (avg)
M9			3A (max)	1.2A (avg)
M6V2	V-Series Super-LED	SmartLED	1.4 (max)	.62 (avg)
M9V2			2.4 (max)	2.40 (avg)
LINEAR-LED WARNING				
LIN3	Linear-LED	SmartLED	.4A (max)	.17A (avg)
LINZ6			.75A (max)	.3A (avg)
400 Dual Level			1.8A (max)	.72A (avg)
500			1A (max)	.4A (avg)
600			1.4A (max)	.53A (avg)
700			1.4A (max)	.53A (avg)
900			2.8A (max)	1A (avg)
SPLIT LED WARNING				
LINZ6	Linear-LED	SmartLED	.75A	.3A
M4			.75A (per side) simultaneous	.3A (per side) alternating
M6			2.2A (per side) simultaneous	1.1A (per side) alternating
M7			2.2A (per side) simultaneous	1.1A (per side) alternating
M9	Linear-LED	SmartLED	3A (per side) simultaneous	1.6A (per side) alternating
500			.315A (per side)	.125A (per side)
500			.50A (per side)	.20A (per side)
600			.75A (per side)	.3A (avg)
700			.75A (per side)	.3A (avg)
900	1.5A (per side)	.6A (avg)		
V-Series				
V23	V-Series Super-LED	SmartLED	.765 (max)	.620 (avg)
4V3			1.20 (max)	.52 (avg)
5V3			.50 (max)	1.12 (avg)
TIR WARNING				
TIR3	TIR3	SmartLED	.4A (max)	.16A (avg)
500	TIR6		.63A (max)	.315A (avg)

LIGHTBARS

Model	Voltage	Number of Lamps	Amp Draw	Dimensions H x W x L (inches)
FREEDOM™ LED MODELS				
FNMINI (pair)	12.8	8 LED	6	3-3/4 x 12 x 24
FN55VLED / FN55QLED		8 LED	6	3-3/4 x 12 x 55
FN60VLED / FN60QLED		8 LED	6	3-3/4 x 12 x 60
FN72VLED / FN72QLED		8 LED	6	3-3/4 x 12 x 72
JUSTICE® LED MODELS				
JNMINI (pair)	12.8	10 LED	7	2-1/4 x 12 x 23
JE2NFPA		10 LED	7	2-1/4 x 12 x 56-1/4
JEONFPA		10 LED	7	2-1/4 x 12 x 62-3/8
FREEDOM™ MICRO EDGE				
MCFLLED2R (ea.)	12.8	2 LED	1.5 ea.	3-3/4 x 12 x 8-1/4

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