

# LEGION *FIT* series

## LIGHTBAR

12~24VDC

**BOTH OPTICS AVAILABLE NOW!**

▼ "Focused" Fresnel Optics

▼ "Wide Angle" Fresnel Optics



## FEATURES

- Choose between New "Wide Angle" optics for wider visual warning or original "Focused" optics for concentrated warning.
- Multi-Voltage Input 12-24VDC with EMC Compliance.
- Integrated Speaker model available.
- Lightbar lengths ranges from 24" up to 84".
- Easy maintenance and lighthouse replacement.
- Built-in selectable flash patterns.
- Non-volatile memory recalls last flash pattern used at power up.
- Reverse polarity protection.
- Solid Aluminium base for best rigidity and heat dissipation.

## SPECIFICATIONS

**Compliances:** ECE R65 (TA1 & TB1 & TR1); ECE R10; SAE J845; CA13

**Operating Voltage:** 12-24VDC

**No. of Warning Patterns:** 26 (SAE); 7 (ECE R65 / ECE R10)

**Ave. Current & Max Current:**

Full Lighthouse Model	Ave. Current (varies with flash pattern)		Max Current	
	12.8V	25.6V	12.8V	25.6V
24"	2.5A	1.2A	4.9A	2.4A
30"	2.9A	1.5A	5.7A	2.9A
36"	3.3A	1.7A	6.5A	3.4A
43"	3.7A	2.0A	7.3A	3.9A
49"	4.1A	2.2A	8.1A	4.4A
54"	4.5A	2.5A	8.9A	4.9A
60"	4.9A	2.7A	9.7A	5.4A
66"	5.3A	3.0A	10.5A	5.9A
72"	5.7A	3.2A	11.3A	6.4A
84"	6.5A	3.7A	12.9A	7.4A

Speaker Model	Ave. Current (varies with flash pattern)		Max Current	
	12.8V	25.6V	12.8V	25.6V
36"	2.4A	1.3A	4.8A	2.5A
49"	3.3A	1.7A	6.5A	3.4A
60"	4.1A	2.2A	8.1A	4.4A
72"	4.9A	2.7A	9.7A	5.4A
84"	5.7A	3.2A	11.3A	6.4A

### Fuse Rating:

Lighthouse	12VDC	24VDC
	Max. Current (A)	Max. Current (A)
Front / Rear Lighthouse	+0.51 each	+0.27 each
Corner Lighthouse	+0.90 each	+0.60 each

**NOTE:** Calculate the total fuse rating needed based on your lightbar configuration.

### Cable Length:

Lightbar	Cable Lengths	Lightbar	Cable Lengths
24"	3300mm	54"	3300mm
30"	3150mm	60"	3300mm
36"	3000mm	60" (Speaker Model)	5000mm
36" (Speaker Model)	5000mm	72"	3300mm
43"	3000mm	72" (Speaker Model)	5100mm
49"	3300mm	84"	5500mm
49" (Speaker Model)	4800mm	84" (Speaker Model)	5500mm

**Power Wires:** Red -Vcc @12AWG

Black -GND @12AWG

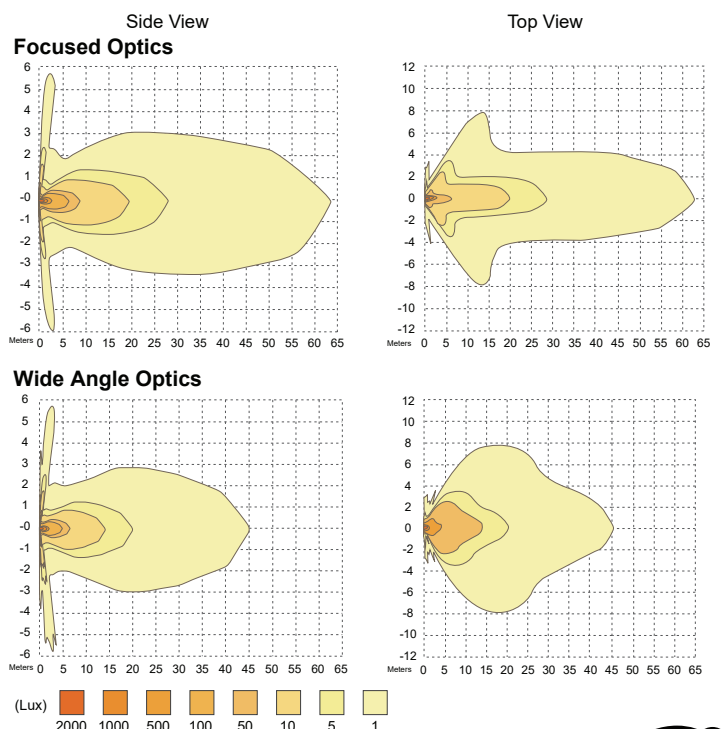
**Function Wires:** 2 x 20AWG

**Speaker Wires:** 2 x 20AWG (for Speaker Model only)

**Speaker Power:** 100W

**Speaker Impedance:** 11 Ohm

## BEAM PATTERN



Rev. 220928

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## FLASH PATTERN (ECE R65 Model)

FP#	Warning Flash Patterns			
1	Double (corners only) R65	5	Quad (split) 2Hz	
2	Double 2Hz	6	Single 2Hz	
3	Double (split) 2Hz	7	Single (split) 2Hz	
4	Quad 2Hz			

## FLASH PATTERN (SAE Model)

FP#	Warning Flash Patterns			
1	Kit Scan (split)	14	Single H/L (split)	
2	Outside-In Single	15	Single	
3	Outside-In Ultra	16	Double	
4	Side-by-Side Single	17	Quad	
5	Side-by-Side Ultra	18	Quint	
6	Random	19	Mega	
7	Single (split)	20	Ultra	
8	Double (split)	21	Single-Quad	
9	Quad (split)	22	Single H/L	
10	Quint (split)	23	Single Cross	
11	Mega (split)	24	Ultra Cross	
12	Ultra (split)	25	Rotator1	
13	Single-Quad (split)	26	Rotator2	

## PART NO.

### Focused Optics

**L006-6xxyz-000** (SAE: R/B/A/W/G)

**L006-7xxyz-000** (ECE R65 & ECE R10: TA1/TB1/TR1)

**L006-8xxyz-000** (ECE R10: W/G)

### Wide Angle Optics

**L006-9xxyz-000** (SAE: R/B/A/W/G)

**L006-Axxyz-000** (ECE R65 & ECE R10: TA1/TB1/TR1)

**L006-Bxxyz-000** (ECE R10: W/G)

**xx** : Replace **xx** for Configuration

■ Refer to Configuration Page 3~4

\*Please contact your sales rep. for other configurations.

**y** : Replace **y** for Mounting feet

■ 0 = W/O Mounting

■ 1 = Standard

■ 2 = Adjustable

■ 3 = Flat Narrow Surface

■ 4 = Flat Wide Surface

■ 5 = Flat Wide Surface 3pcs (for 66"/72")

■ 6 = Flat Wide Surface 4pcs (for 84")

**z** : Replace **z** for Colour

■ A = Amber LED & Clear Lens

■ 1 = Amber LED & Amber Lens

■ B = Blue LED & Clear Lens

■ 2 = Blue LED & Blue Lens

■ R = Red LED & Clear Lens

■ 4 = Red LED & Red Lens

■ W = White LED & Clear Lens

■ G = Green LED & Clear Lens

■ Q = Red/Blue LED & Clear Lens

■ N = Red/Blue LED & Red/Blue Lens

■ U = Red/White LED & Clear Lens

■ F = Amber/Red LED & Clear Lens

■ K = Amber/White LED & Clear Lens

## BRACKET TYPE

### 06300258

Standard Bolt Mount Brackets



### 06300241

Adjustable Bolt Mount Brackets



### 06300166

Flat Surface Mount Brackets-Narrow



### 06300432

Flat Surface Mount Brackets-Wide



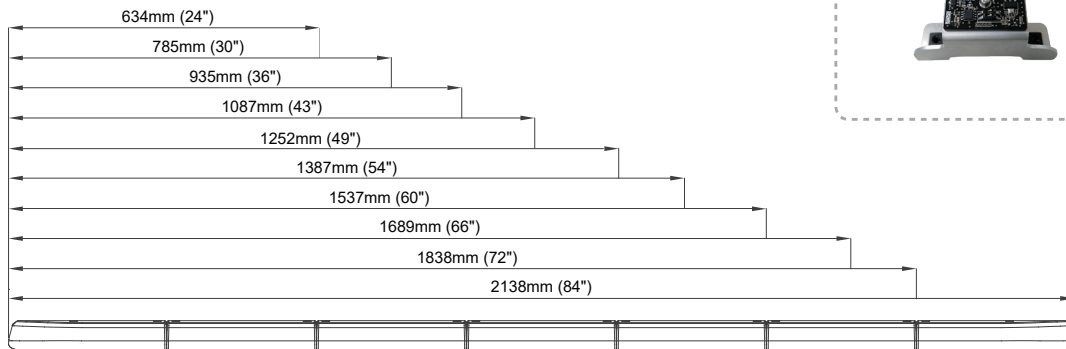
### 06301798

Adjustable Feet Type B

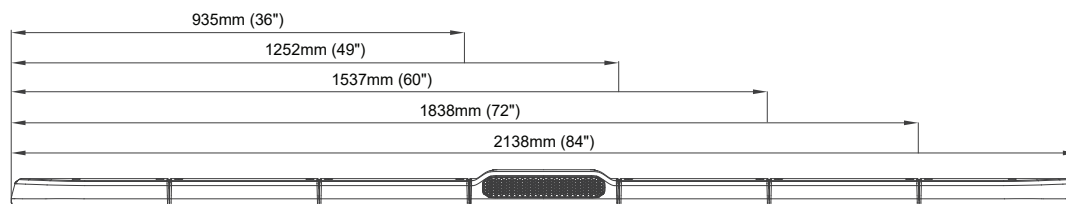


## DIMENSIONS

### Standard Model Available Lengths:



### Speaker Model Available Lengths:



### 06302047

Legion, Ambient Light Sensor, Kit

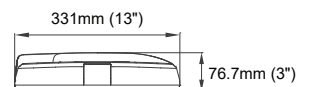
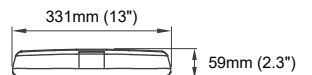
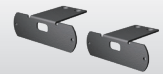


### 02040752

Left & Right Lighthouse Brackets Only

### 02040769

Front & Rear Lighthouse Brackets Only



Rev. 220928

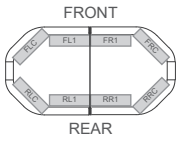
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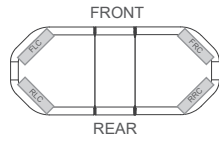


# CONFIGURATION

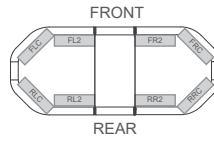
▼ 24" xx = 81



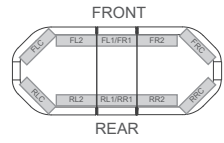
▼ 30" xx = 40



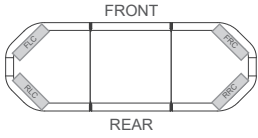
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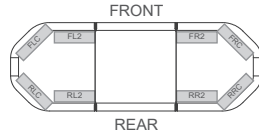
▼ 30" xx = 48



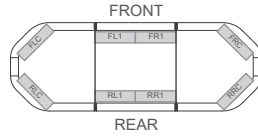
▼ 36" xx = 50



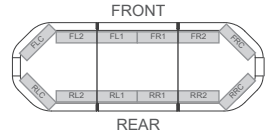
▼ 36" xx = 51



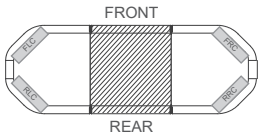
▼ 36" xx = 52



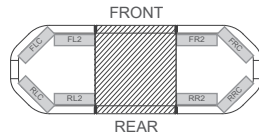
▼ 36" xx = 53



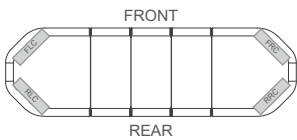
▼ 36" Speaker xx = 5C



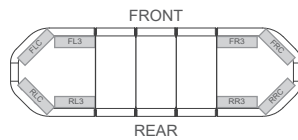
▼ 36" Speaker xx = 5D



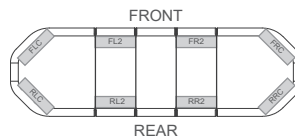
▼ 43" xx = 00



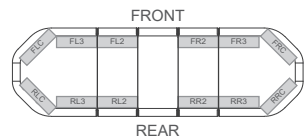
▼ 43" xx = 01



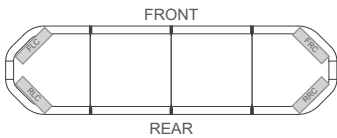
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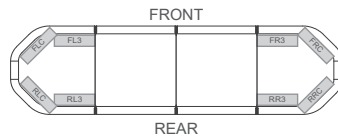
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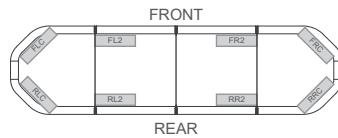
▼ 49" xx = 10



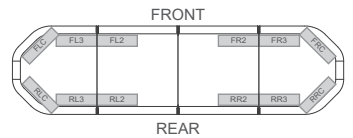
▼ 49" xx = 11



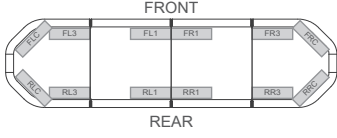
▼ 49" xx = 12



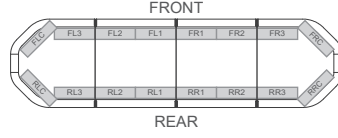
▼ 49" xx = 13



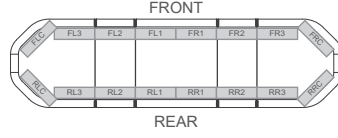
▼ 49" xx = 14



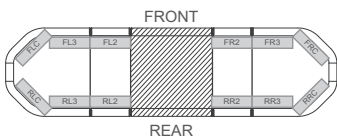
▼ 49" xx = 15



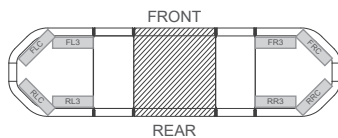
▼ 49" xx = 17



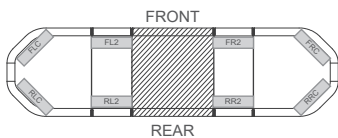
▼ 49" Speaker xx = 19



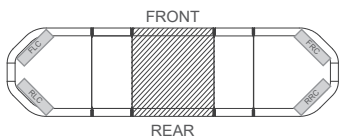
▼ 49" Speaker xx = 1D



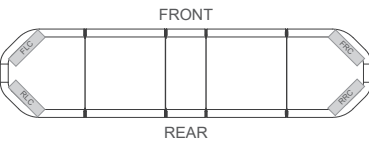
▼ 49" Speaker xx = 1E



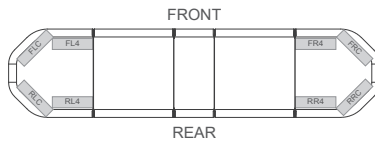
▼ 49" Speaker xx = 1C



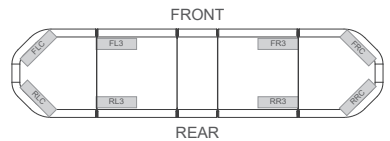
▼ 54" xx = 20



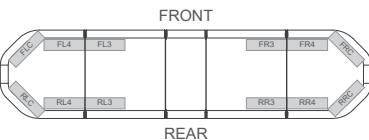
▼ 54" xx = 21



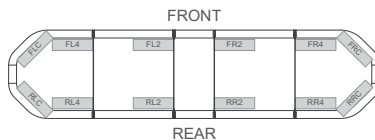
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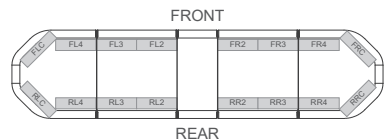
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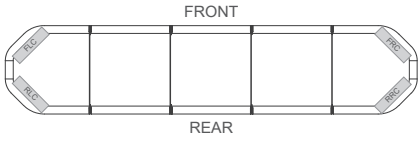
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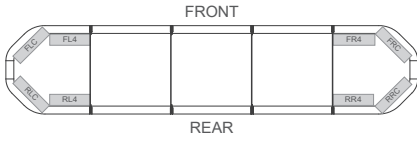
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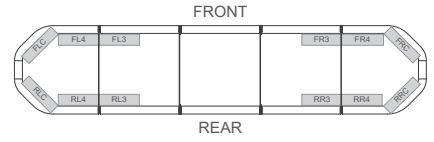
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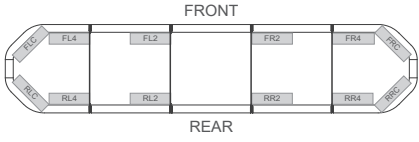
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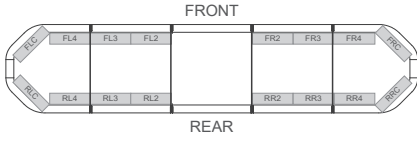
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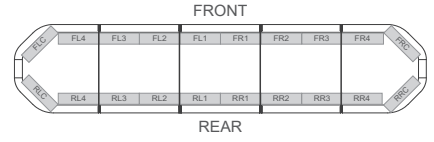
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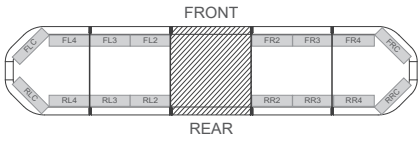
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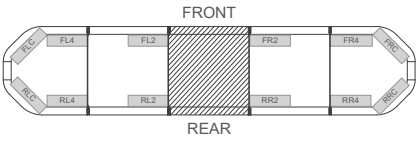
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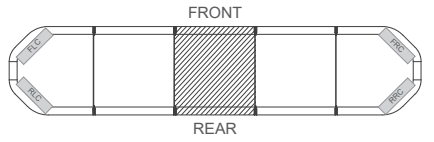
▼ 60" Speaker xx = 3A



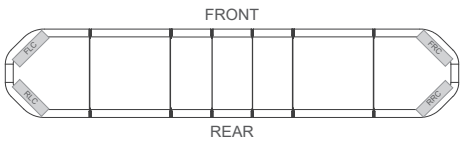
▼ 60" Speaker xx = 39



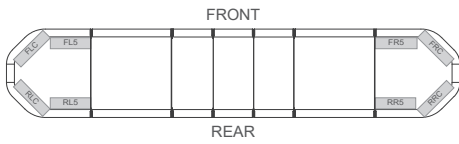
▼ 60" Speaker xx = 3C



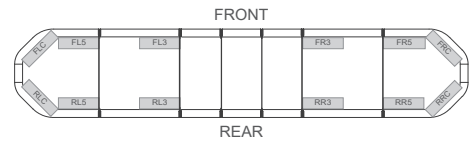
▼ 66" xx = 70



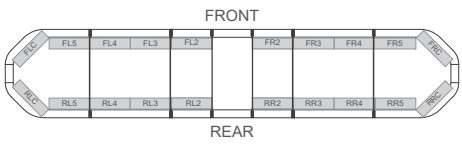
▼ 66" xx = 71



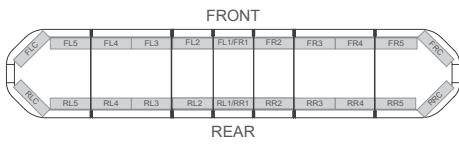
▼ 66" xx = 74



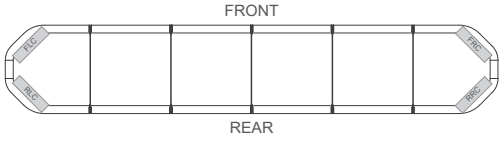
▼ 66" xx = 76



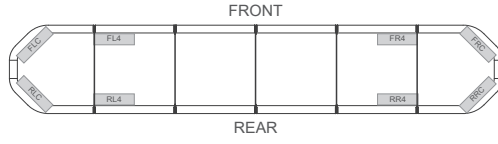
▼ 66" xx = 7L



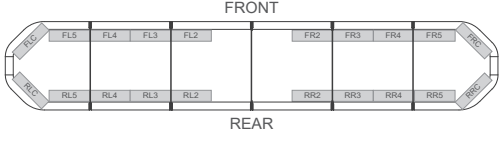
▼ 72" xx = 60



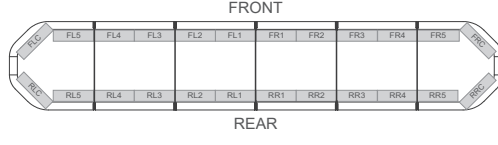
▼ 72" xx = 61



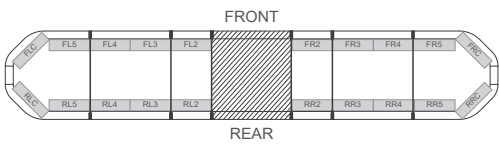
▼ 72" xx = 66



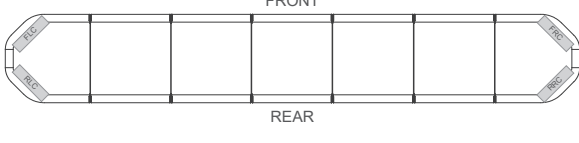
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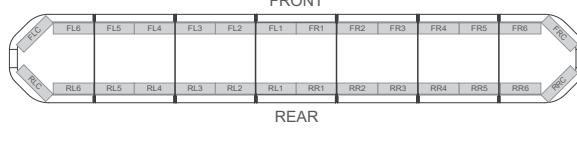
▼ 72" Speaker xx = 6B



▼ 84" xx = 90



▼ 84" xx = 9N



▼ 84" Speaker xx = 9K

