

## 970 Lightbar NFPA Information Sheet



# 970L - 5309 - 0101

Product Series	
970L	Scorpion Lightbar
970B	Blackwidow Lightbar

Length "
21
26
30
35
44
49
53
58
67
72
80

Lamp Positions	
02	2 Lamps
03	3 Lamps
04	4 Lamps
05	5 Lamps
07	7 Lamps
08	8 Lamps
09	9 Lamps
10	10 Lamps
12	12 Lamps
13	13 Lamps
15	15 Lamps
D1	Dual Front
D2	Dual Rear
D3	Dual F & R
N	Standard NFPA Series
NT	Standard NFPA W/TD
NTP	Standard NFPA W/TD/Preemption
P	Performance NFPA Series
PT	Performance NFPA W/TD
PTP	Performance NFPA W/TD/Preemption
E	Epic NFPA Series
ET	Epic NFPA Series W/TD
ETP	Epic NFPA Series W/TD/Preemption
L	Legendary NFPA Series
LT	Legendary NFPA W/TD
LTP	Legendary NFPA W/TD/Preemption

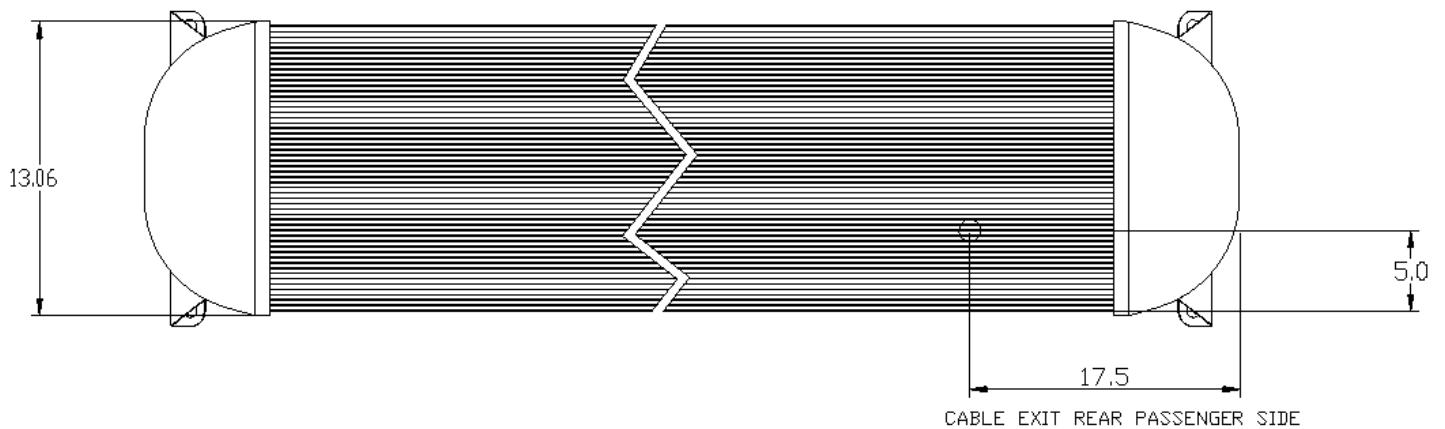
Front/Rear Lamp Configuration
<p>This number represents the front and rear lamp configuration. For example, the 0101 designation means an 01 front configuration and an 01 rear configuration. There is no intelligence built into this number it is simply a list of available configurations. For each length of Lightbar there is a configuration document that lists each number and shows the associated configuration.</p> <p>-XX defines color of lightbar LEDs. Example: -RR designates all red lightbar</p>

## Amp Draw (@12.8VDC):

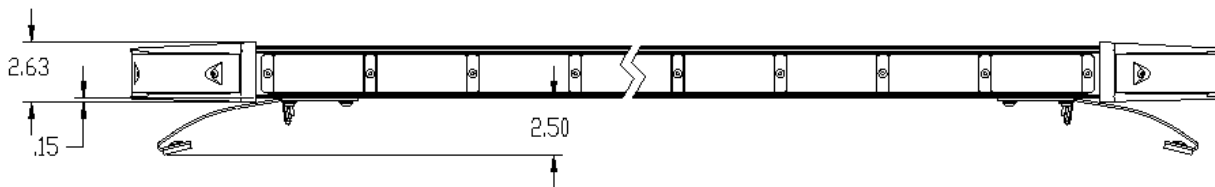
The amp draws shown below are for a single lamp at a specific flash rate. Add the amp draws of all lamps to find the total lightbar amp draw.

Lamp (All Colors)	Amp Draw (mA)			
	Steady Burn	Single	Double	Neobe
970-FR3W-X	375	179	86	125
970-FR6W-X	712	353	174	251
970-CR6W-X	712	353	174	251
970-CR12W-X	1057	537	224	325
970-TLSW	356	179	85	123
970-ALSW	356	179	85	123
TRXF-IR-X	808	343	211	304

## Dimensions



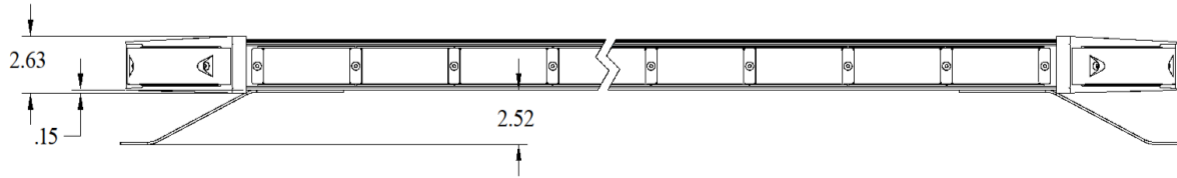
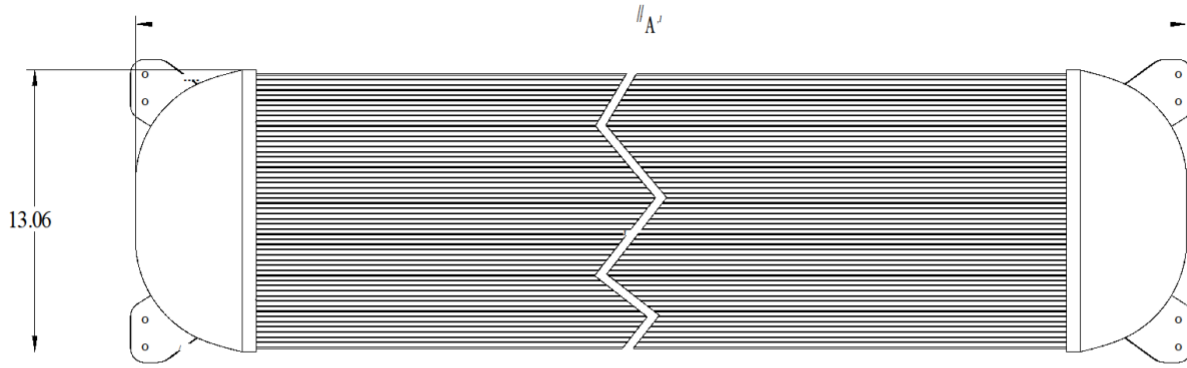
CABLE EXIT REAR PASSENGER SIDE



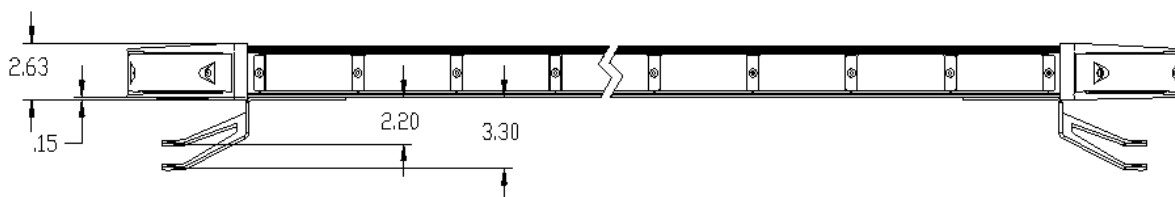
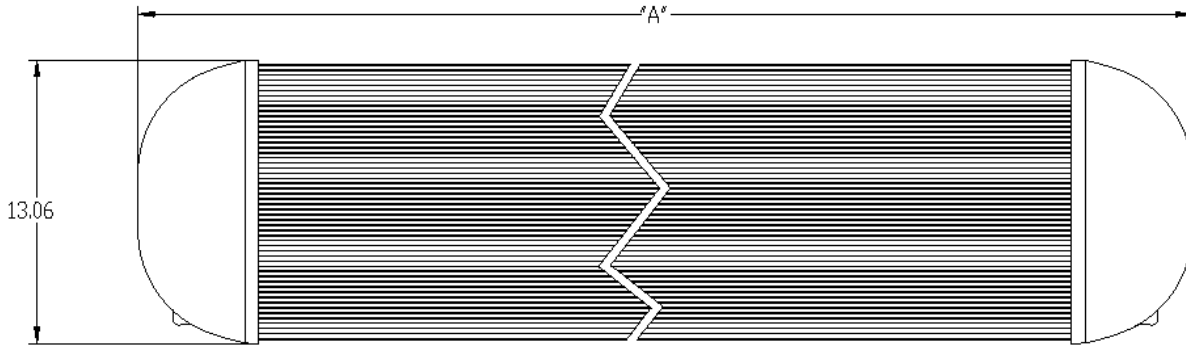
Model	Dim "A"
970L-2102	21.19
970L-2603	25.74
970L-3004	30.29
970L-3505	34.84
970L-4407	43.94
970L-4908	48.49
970L-5309	53.04
970L-5810	57.59
970L-6712	66.69
970L-7213	71.24
970L-8015	80.34

**Additional Mounting options:**

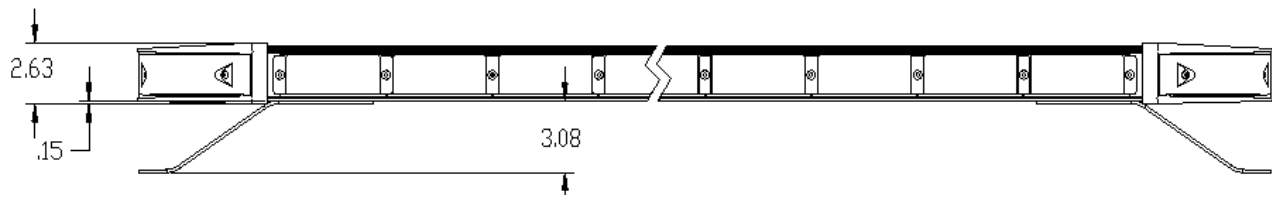
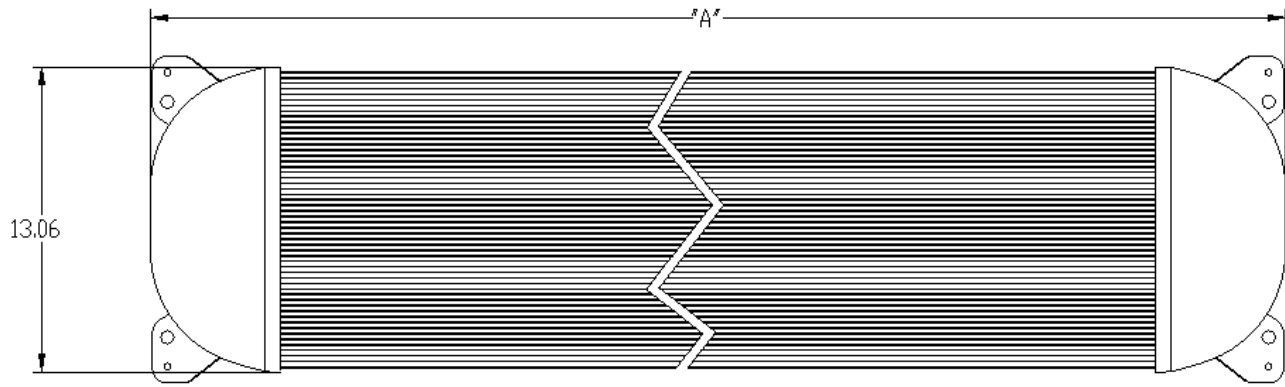
**970-FR-UNPK**



**970-FR-FRT**



970-FR35-UNPK



## Light Output

The table below shows the 19 point cumulative totals for each lamp and flash rate in Candela Seconds per Minute. Add the cumulative totals for each lamp in the zone for the zone total.

	FLASH RATE		
	Single	Double	Neobe
970-FR3W-A	214,950	107,475	154,048
970-FR3W-B	152,350	76,175	109,184
970-FR3W-R	295,700	147,855	211,918
970-FR3W-W	414,870	207,435	297,323
970-FR6W-A	225,870	112,935	158,109
970-FR6W-B	200,520	100,260	140,364
970-FR6W-R	432,990	216,495	303,093
970-FR6W-W	530,260	265,130	371,182
970-CR12W-A	400,690	200,345	280,483
970-CR12W-B	402,410	201,205	281,687
970-CR12W-R	646,910	323,455	452,837
970-CR12W-W	1,048,100	524,050	733,670
970-CR6W-A	225,870	112,935	161,874
970-CR6W-B	200,520	100,260	143,706
970-CR6W-R	339,310	169,665	243,171
970-CR6W-W	530,220	265,110	379,991
970-TLW-A	8,708	4,354	6,075
970-TLW-B	8,455	4,227	5,899
970-TLW-R	15,885	7,942	11,082
970-TLW-W	24,100	12,050	16,813
970-TLH (ALH)	533,142	266,571	382,085
970-FR3-HPTD	2,126,901	930,950	1,063,451

## **Wiring**

The is the most common wiring configuration. Bars with special features or options will have unique wiring diagrams.

### **970L CONTROL & POWER WIRES**

Red	+12 Vdc Power
Black	GROUND
Orange	Mode 1 Control
Blue	Mode 2 Control
White/Black	Mode 3 Control
Green	Low Intensity
Brown	Takedown
White	Corner Cruise Lights or CA Steady Burn (if shipping to CA) or Rear Work Lights (if ordered)
Red/White	Right Arrow Traffic Directional
Brown/White	Left Arrow Traffic Directional Red/White &
Brown/White	Center-Out Traffic Directional
Gray	Driver Alley
Yellow	Passenger Alley
Red	Preemption Enable
Violet	Preemption Parking Brake Shutoff

**Mode Activation:** All control wires are +12 VDC activated, except the Green (LED Low Intensity) is GROUND activated.

### **OPTIONAL S/T/T CONTROL HARNESS**

Red	Right Tail	+12 Vdc Activates Right Tail Light Function
Orange	Right Stop	+12 Vdc Activates Right Stop/Turn Light Function
Black	Ground	Common Ground
White	Left Tail	+12 Vdc Activates Left Tail Light Function
Blue	Left Stop	+12 Vdc Activates Left Stop/Turn Light Function
Brown	Ground	Common Ground