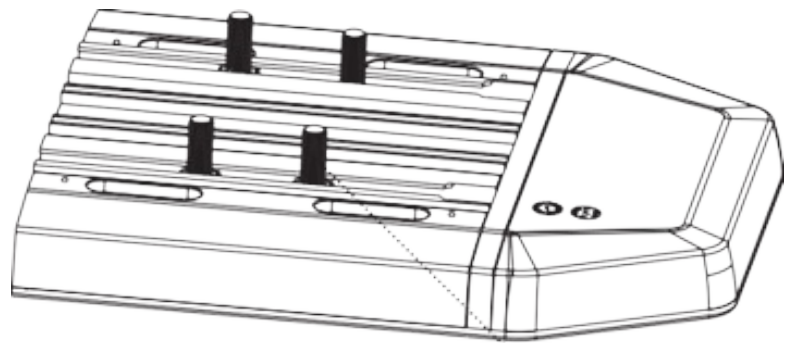# Pocono Light Bar
Installation Instructions

For model numbers: 100LB0018, 100LB0019, 100LB0020, 100LB0021, 100LB0022
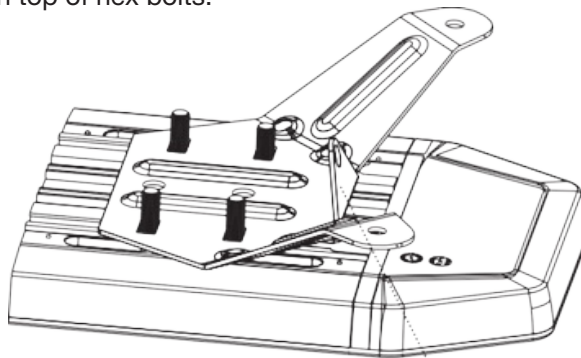
SECTION 1: MOUNTING

PERMANENT MOUNT (SCREW)
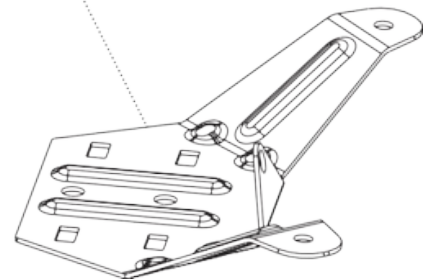### 100LB0018, 100LB0019, 100LB0020, 100LB0021, 100LB0022

1. Slide the hex head bolts into the grooves along the bottom of the light bar (4 at each end).
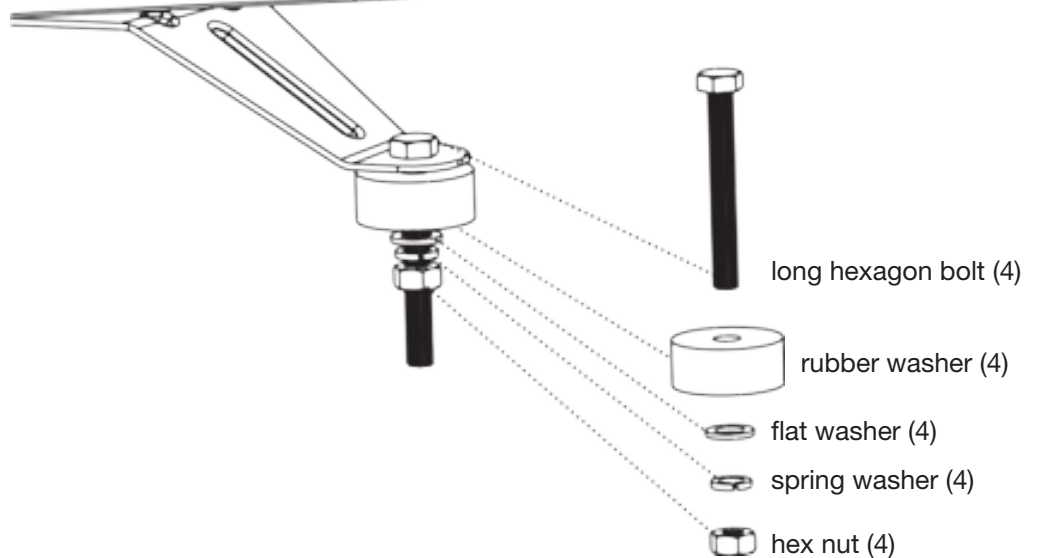
2. Place bracket (2) on top of hex bolts.
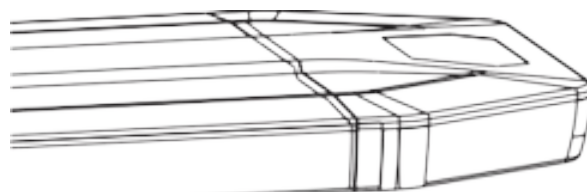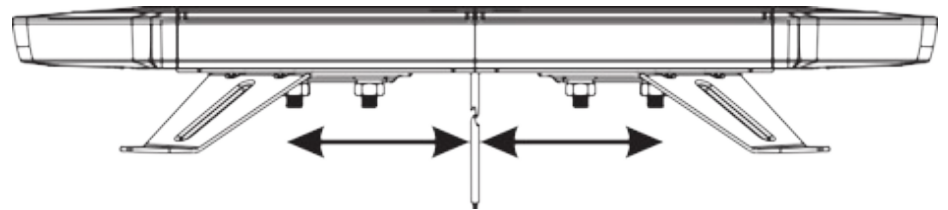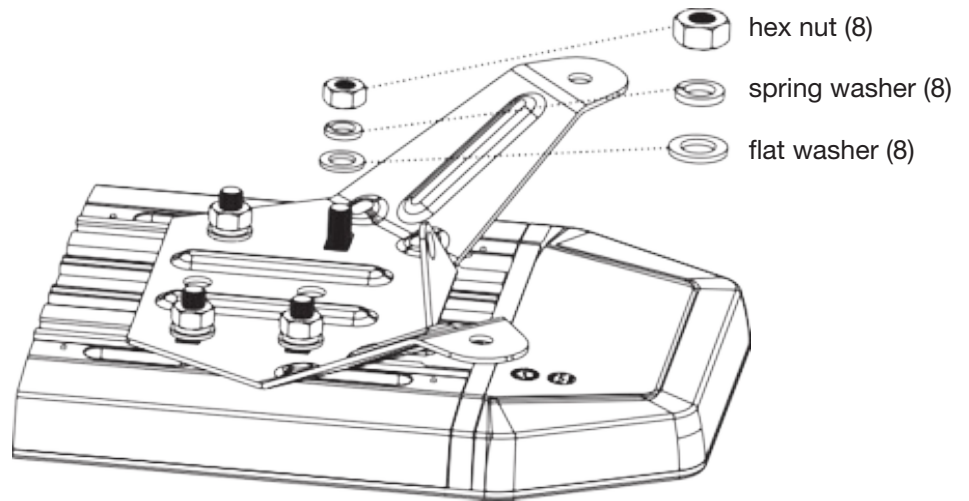
short hex head bolt (8)
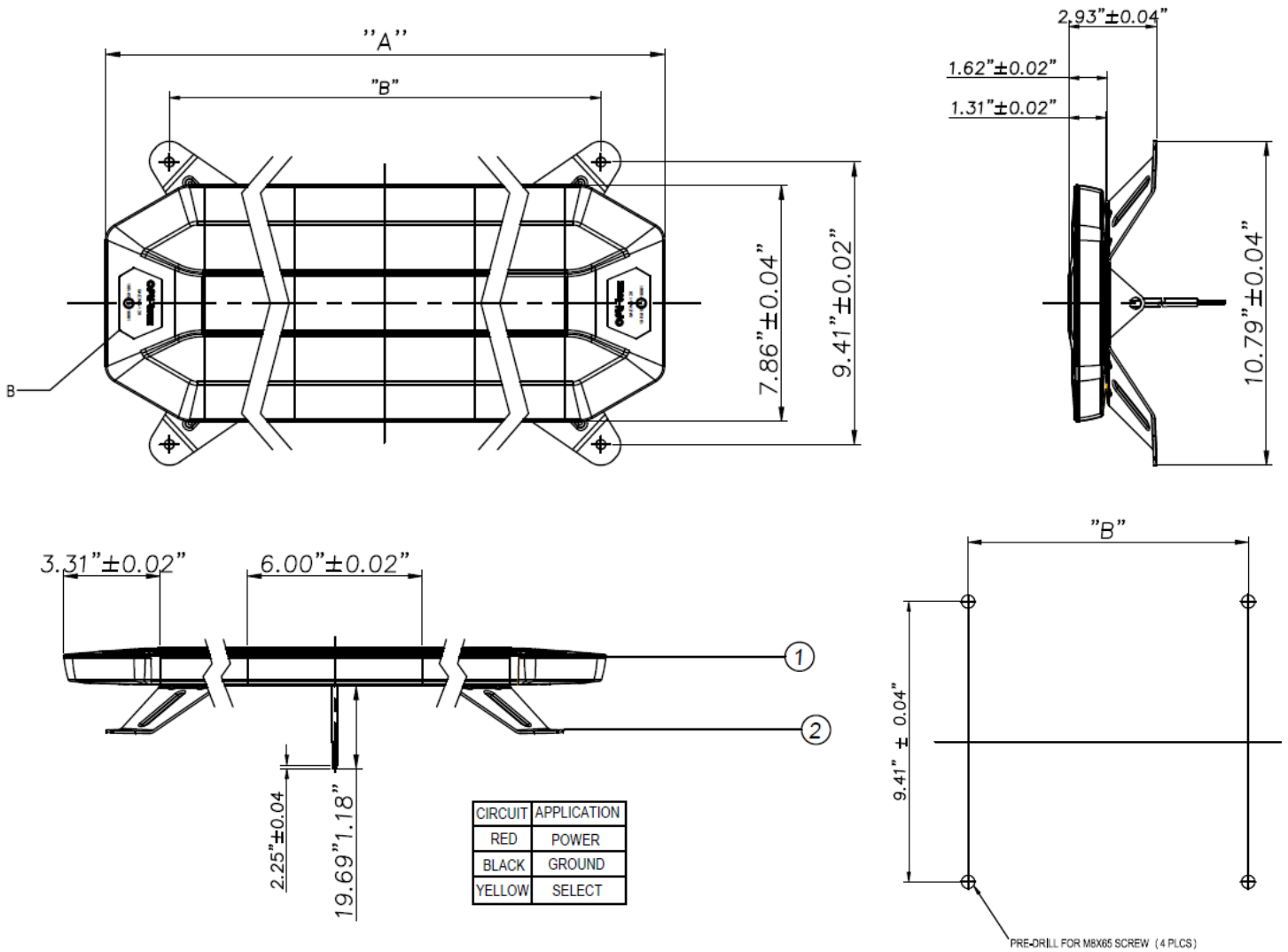
SECTION 1 CONTINUED: MOUNTING

3. Stack flat washer, spring washer and hex nut onto the bolts installed in the grooves. Do not overtighten.

4. Adjust the bracket position to suit the profile of the vehicle roof before tightening.

5. Before drilling holes, carefully measure to find the desired location on the vehicle's roof. Ensure damage is not done to electronics, the roof lining and the roof structure is not compromised. The holes should be of a suitable size. You must drill an extra hole for the cable. It is also important that only the feet of the bracket are touching the roof of the vehicle. Install long hex bolt and rubber gasket above the roof and the flat washer, spring washer and hex nut below the roof and tighten. It is recommended using a suitable waterproof sealant (and suitable rubber grommet for the cable) to ensure the roof is waterproof. It is also important to treat the holes drilled in the roof with a suitable rust prevention solution. Do not overtighten hex bolts.

hex nut (8)

spring washer (8)

flat washer (8)

long hexagon bolt (4)

rubber washer (4)

flat washer (4)

spring washer (4)

hex nut (4)

SECTION 2: MEASUREMENTS

''A''

"B"

2.93"±0.04"

1.62"±0.02"

1.31"±0.02"

7.86"±0.04"

9.41"±0.02"

10.79"±0.04"

B

3.31"±0.02"

6.00"±0.02"

① ②

2.25"±0.04"

19.69"1.18"

9.41" ± 0.04"

"B"

CIRCUIT	APPLICATION
RED	POWER
BLACK	GROUND
YELLOW	SELECT

PRE-DRILL FOR M8X65 SCREW (4 PLCS)

PART		"A"	"B"	LIGHT MODULE QTY			CURRENT @13.5V		CURRENT @28.0V	
NUMBER	REV	DIMENSION (inch)	DIMENSION (inch)	MIDDLE	END	WEIGHT (lbs)	NOM (A)	MIN/M AX (A)	NOM (A)	MIN/MAX (A)
100LB0018	A	18.62"	14.38"	2	2	6.61	4.60	4.20/5.00	2.25	2.00/2.50
100LB0018	A	24.62"	20.38"	3	2	7.94	6.15	5.50/6.80	3.00	2.70/3.30
100LB0018	A	30.62"	26.38"	4	2	9.15	8.15	7.30/9.00	3.60	3.20/4.00
100LB0018	A	36.62"	32.38"	5	2	10.69	8.50	7.50/9.50	3.60	3.20/4.00
100LB0018	A	48.62"	44.38"	7	2	13.12	10.45	9.40/11.50	4.25	1.20/1.80

SECTION 3: WIRING

WIRE FUNCTION – 100LB0018, 100LB0019, 100LB0020, 100LB0021, 100LB0022 — BARE 3 WIRE CABLES
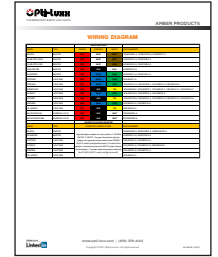
Red – Power

Blue – Ground

Yellow – Select (To change the flash pattern, touch and hold to power wire for one second until the desired pattern is selected)

NOTE: Wiring chart on website: **https://opti-luxx.com/resources** or **scan this QR:**

POCONO WIRING CHART

SECTION 4: FLASH PATTERN DETAIL

PATTERN	DESCRIPTION	FPM
1***	SINGLE FLASH	125
2	SINGLE FLASH – BRIGHT	125
3	RAPID FLASH	259
4	DIRECTIONAL	29
5	TRIPLE	72
6	SINGLE + DOUBLE + TRIPLE	23
7	SINGLE + QUINT	33
8	DIRECTIONAL + TRIPLE	27
9	ALTERNATING	130
10	RAPID ALTERNATING	125

* DEFAULT PATTERN
** SAE J845 CLASS 1 COMPLIANT
PATTERN SETTING: A) POWER LIGHT BAR B) MOMENTARILY APPLY POWER TO YELLOW CIRCUIT C) REPEAT FOR NEXT PATTERN

NOTES

1. Lights to meet the following requirements:
   A. FMVSS/CMVSS 108
   B. SAE Standards: J845/2139

2. Operating Conditions:
   A. Voltage:
   - Automotive: 9–16Vdc.
   - Industrial: 10–30Vdc.
   B. Temperature: –40° to +65°C

Installers and users must comply with all applicable federal, state and local laws regarding use and installation of warning devices. Improper use or installation may void warranty coverage.

If you have questions regarding this product, please refer to our website: **www.opti-luxx.com/resources** or you may email Customer Service at: **customerservice@opti-luxx.com.**

POCONO BROCHURE

POCONO FLASH PATTERNS

POCONO SERIES LIGHT BAR