

DAYTONA Class 1 10" LED Light Bar

Installation Instructions

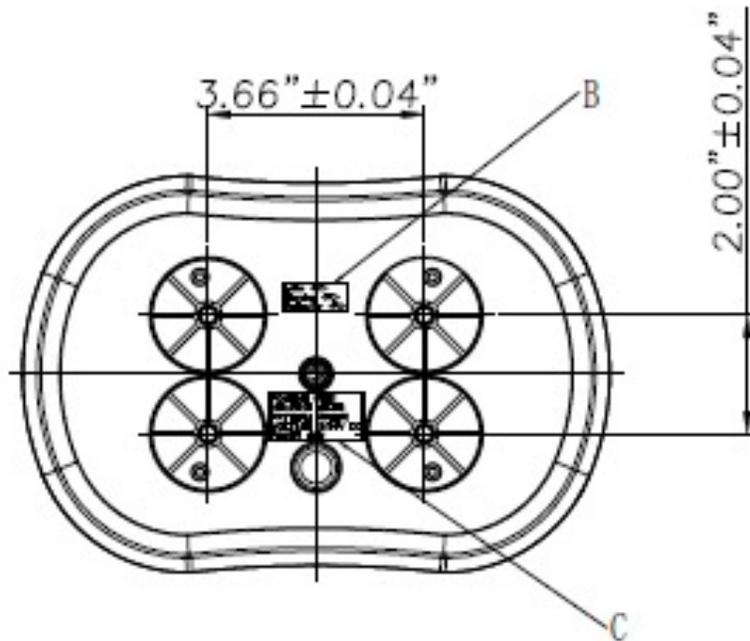
For model numbers: 100LB0015, 100LB0016, 100LB0017



SECTION 1: MOUNTING — 3 OPTIONS

1. MAGNET MOUNT – 100LB0015

Determine a clean, flat location on your vehicle to mount the light bar (typically the roof). This light bar comes equipped with four magnetic feet. Ensure the magnetic feet are clean before placing on your vehicle. It is the responsibility of the installer and/or end user to determine whether it is safe to use magnetic mounting hardware for your application. The magnetic character of roof steel varies from vehicle to vehicle. Be sure that your vehicle can provide enough magnetic force to safely secure the light bar to the roof.

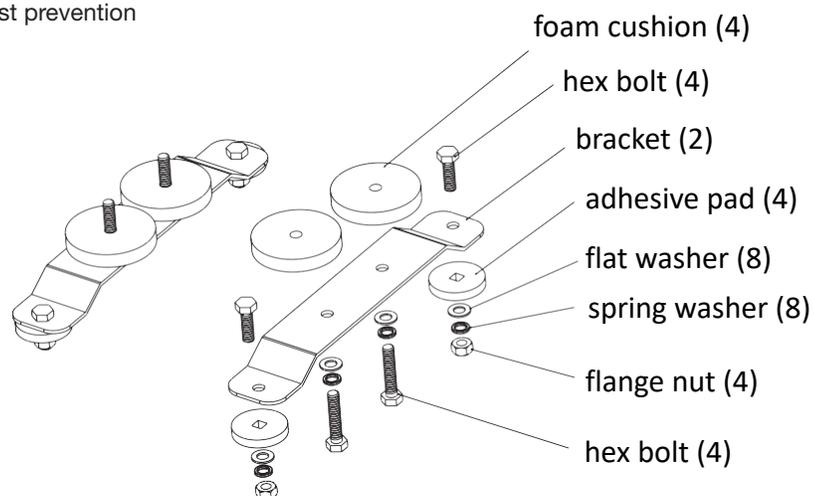
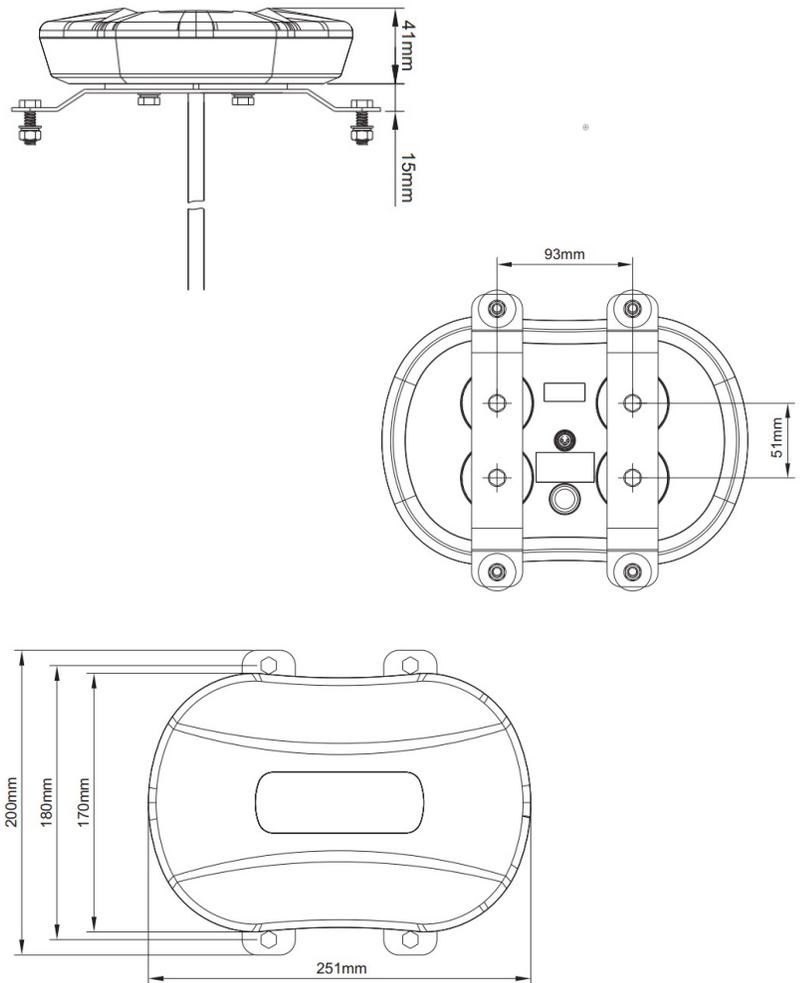


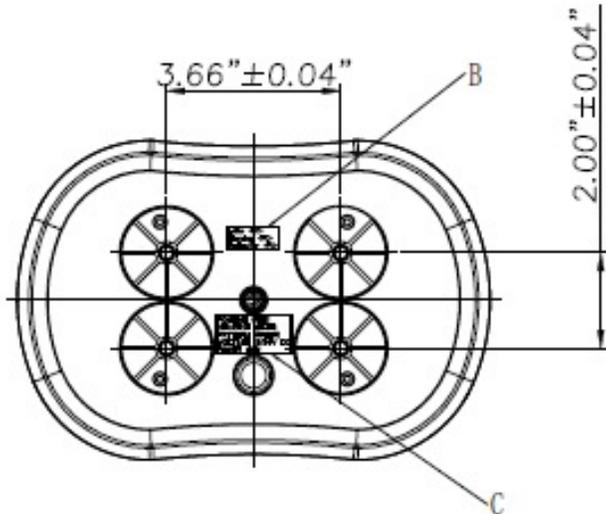
2. BRACKET MOUNT – 100LB0016

1. Place the four foam cushions into the round cutouts on the underside of the light bar.
2. Place brackets on top of the foam cushions so the bracket lies flat against the cushion. Stack a flat washer and a spring washer on top of the bracket hole, and then insert a hex bolt to secure the bracket to the light bar. Repeat process four times until the two brackets are securely fastened to the underside of the light bar.
3. On the bracket feet, stick an adhesive pad over each hole. Stack a flat washer and a spring washer against the pad and insert a hex bolt from the top of the bracket. After holes are drilled, tighten hex bolt to flange nut and secure to the vehicle.

NOTES

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 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.**





3. FOUR-STUD MOUNT – 100LB0017

The bar is supplied with the following hardware for mounting:

- 4 double ended bolts
- 4 foam cushions
- 4 flat washers
- 4 spring washers
- 4 flange nuts

1. Thread the shorter ends of the double ended bolts into the four circles on underside of the light bar.
2. Place the four foam cushions on top of the double ended bolts.
3. Stack a flat washer and a spring washer on top of the foam cushion.
4. After holes are drilled, tighten flange nut and secure to the vehicle.

NOTES

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 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 flange nuts.

SECTION 2: WIRING – 2 OPTIONS



1. CIGARETTE LIGHTER ADAPTER – 100LB0015, 100LB0016

To turn on, plug the adapter into cigarette outlet and avoid obstructing the steering wheel, gear leaver, airbags or the view of the driver. Switch ON/OFF to on (red light illuminates). To select flash patterns, momentarily press the select switch to toggle between flash patterns until the desired pattern is found. Switch ON/OFF to off to power down the product. The light bar will recall the last flash pattern that was selected before powering down as the default. This default pattern will be in effect when powered back on during its next use.

2. 3-WIRE CABLE – 100LB0017

Red – Power

Blue – Ground

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

NOTE: QR Code to Wiring chart on website: <https://opti-luxx.com/resources>

**DAYTONA
WIRING CHART**



Wire Color	Terminal	Connection
Red	1	Power
Blue	2	Ground
Green	3	Select

SECTION 3: FLASH PATTERN DETAIL

PATTERN	DESCRIPTION	CYCLE (ms)	FPM	PATTERN	DESCRIPTION	CYCLE (ms)	FPM
1**	SINGLE FLASH	480	125	11	ALTERNATE LEFT/RIGHT COMBO, 2 DOUBLE, 2 SINGLE, 2 TRIPLE, FAST SINGLE	6880	9
2	DOUBLE FLASH	800	75	12	SINGLE LEFT, SINGLE RIGHT	840	71
3	QUAD FLASH	840	71	13	DOUBLE LEFT, DOUBLE RIGHT	824	73
4	QUINT FLASH	824	73	14	QUAD LEFT, QUAD RIGHT	830	72
5	FAST ROTATION	600	100	15	QUAD LEFT, QUINT RIGHT	824	73
6	2 SINGLE, 2 DOUBLE, 2 TRIPLE W, END DELAY	4050	15	16	FAST SINGLE LEFT, FAST SINGLE RIGHT	600	100
7	TEN FLASH	872	69	17	TEN LEFT, TEN RIGHT	4730	13
8	SINGLE FLASH, 9 RAPID FLASH	5860	10	18	2 ALTERNATE QUAD LEFT/RIGHT, 4 ALTERNATE SINGLE LEFT/RIGHT	4730	13
9	STROBE FLASH, 7 SINGLE FLASH	6420	9	19	4 ALTERNATE DOUBLE LEFT/RIGHT, 4 ALTERNATE SINGLE LEFT/RIGHT	6100	10
10	SLOW ROTATION	1200	50	20	3 ALL QUAD, 3 ALTERNATE LEFT/RIGHT QUAD	5020	12

* DEFAULT PATTERN

** SEA J845 CLASS 1 COMPLIANT

PATTERN SETTING: A) POWER BEACON B) MOMENTARILY PRESS THE SELECT SWITCH C) REPEAT FOR NEXT PATTERN

NOTES

1. Lights to meet the following requirements:

- A. FMVSS/CMVSS 108
- B. SAE Standards: J845/2139 Class 1

2. Operating Conditions:

- A. Voltage:
 - Automotive: 9–16Vdc.
 - Industrial: 10–30Vdc.
- B. Current:
 - Nominal: 2.7A @ 13.5Vdc; 1.40A @ 28Vdc.
 - Min/Max: 2.20/3.20A @ 13.5Vdc; 1.20/1.60A @ 28Vdc.
- C. Temperature: -40° to +65°C

DAYTONA
FLASH PATTERNS



DAYTONA
BROCHURE



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.



www.opti-luxx.com
customerservice@opti-luxx.com