# OnX SIX PLUS

**baja designs**

**STOTTS**

## Description:

At an impressive 12,460 lumens, the brightest just got up to 69% brighter than our previous generation. The OnX6 + LED light bar also integrates Baja Designs' trademarked High Speed Spot™ reflector, the same one used by our Team Enlightened racers, to give you the guaranteed furthest projecting LED Light Bar on the planet. In addition, the OnX6 + LED light bar adopts industry standard sizing and is now compatible with aftermarket mounting systems. An industry first 30 Day Satisfaction Guarantee & Limited Lifetime Warranty is included for the ultimate in purchase protection.

## Standards of Compliance:

**MIL-STD-810G Certified**
- (Low Temperature Test, High Temperature, Temperature & Humidity, Thermal Shock Cycling, Dust, Random Vibration, Mechanical Shock, Low Pressure & Drip Box Water)

**IP69k Certified** – (Submersible to 9ft)
**IK10 Compliant** – (Mechanical Impact Testing)
**Salt Spray Certified**
**High/Medium Modes**

## Specifications:

**Lumens:** 12,460 Utilizing 6 LEDs

**Weight:** 4.25 lbs per 10" Section

**Wattage/Amps:** (High) 108W / 8.4A (Low) 80W / 5.8A

**Dimensions:** 10" x 4.29" x 2.69"

**LED Life Expectancy:** 49,930 Hours

**Front Lens:** Hard Coated Polycarbonate

**Housing:** Aircraft Grade Aluminum w/Mil-Spec Hard Anodize

**Hardware & Bracket Material:** Stainless Steel

**Exceeds MIL-STD810G**

**Built-In Overvoltage Protection**

## Baja Designs Features:

- **Satisfaction Guaranteed -** 30 Day Money Back Guarantee
- **Limited Lifetime Warranty -** Complete Purchase Protection
- **uService® -** Replaceable Lenses And Optics
- **ClearView® -** All The Light, Right Where You Need It
- **MoistureBlock™ -** Waterproof, Rain Proof, Submersible
- **CopperDrive® -** Only LED Driven At 100%
- **5000K Daylight -** Less Driver Fatigue, Natural Color
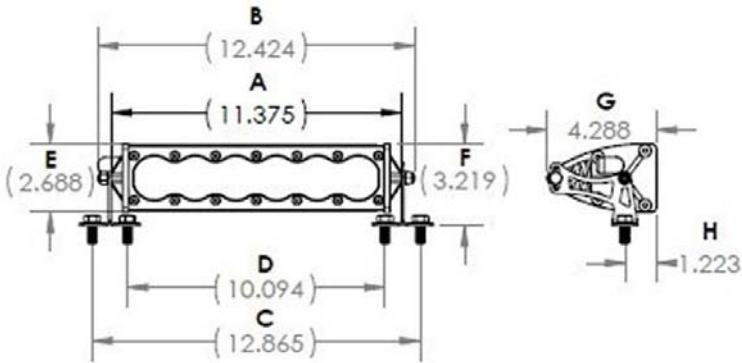
| Part Number | Description | Size | Lumens | Amps/Watts |
|---|---|---|---|---|
| 45-1001 | OnX6+, 10" High Speed Spot LED Light Bar | 10" x 4.29" x 2.69" | (High) 12,460 (Low) 9,230 | (High) 108W / 8.4A (Low) 80W / 5.7A |
| 45-1003 | OnX6+, 10" Driving/Combo LED Light Bar | 10" x 4.29" x 2.69" | (High) 12,460 (Low) 9,230 | (High) 108W / 8.4A (Low) 80W / 5.7A |
| 45-1004 | OnX6+, 10" Wide Driving LED Light Bar | 10" x 4.29" x 2.69" | (High) 12,460 (Low) 9,230 | (High) 108W / 8.4A (Low) 80W / 5.7A |
| 45-1013 | OnX6+, Amber 10" Driving/Combo LED Light Bar | 10" x 4.29" x 2.69" | (High) 12,460 (Low) 9,230 | (High) 108W / 8.4A (Low) 80W / 5.7A |
| 45-1014 | OnX6+, Amber 10" Wide Driving LED Light Bar | 10" x 4.29" x 2.69" | (High) 12,460 (Low) 9,230 | (High) 108W / 8.4A (Low) 80W / 5.7A |
| 45-2001 | OnX6+, 20" High Speed Spot LED Light Bar | 20" x 4.29" x 2.69" | (High) 24,920 (Low) 18,460 | (High) 216W / 16.6A (Low) 160W / 12.0A |
| 45-2003 | OnX6+, 20" Driving/Combo LED Light Bar | 20" x 4.29" x 2.69" | (High) 24,920 (Low) 18,460 | (High) 216W / 16.6A (Low) 160W / 12.0A |
| 45-2004 | OnX6+, 20" Wide Driving LED Light Bar | 20" x 4.29" x 2.69" | (High) 24,920 (Low) 18,460 | (High) 216W / 16.6A (Low) 160W / 12.0A |
| 45-2013 | OnX6+, Amber 20" Driving/Combo LED Light Bar | 20" x 4.29" x 2.69" | (High) 24,920 (Low) 18,460 | (High) 216W / 16.6A (Low) 160W / 12.0A |
| 45-2014 | OnX6+, Amber 20" Wide Driving LED Light Bar | 20" x 4.29" x 2.69" | (High) 24,920 (Low) 18,460 | (High) 216W / 16.6A (Low) 160W / 12.0A |
| 45-3001 | OnX6+, 30" High Speed Spot LED Light Bar | 30" x 4.29" x 2.69" | (High) 31,910 (Low) 25,450 | (High) 281W / 21.7A (Low) 225W / 17.1A |
| 45-3003 | OnX6+, 30" Driving/Combo LED Light Bar | 30" x 4.29" x 2.69" | (High) 31,910 (Low) 25,450 | (High) 281W / 21.7A (Low) 225W / 17.1A |
| 45-3004 | OnX6+, 30" Wide Driving LED Light Bar | 30" x 4.29" x 2.69" | (High) 31,910 (Low) 25,450 | (High) 281W / 21.7A (Low) 225W / 17.1A |
| 45-3013 | OnX6+, Amber 30" Driving/Combo LED Light Bar | 30" x 4.29" x 2.69" | (High) 31,910 (Low) 25,450 | (High) 281W / 21.7A (Low) 225W / 17.1A |
| 45-3014 | OnX6+, Amber 30" Wide Driving LED Light Bar | 30" x 4.29" x 2.69" | (High) 31,910 (Low) 25,450 | (High) 281W / 21.7A (Low) 225W / 17.1A |
| 45-4001 | OnX6+, 40" High Speed Spot LED Light Bar | 40" x 4.29" x 2.69" | (High) 38,900  (Low) 32,440 | (High) 346W / 26.8A (Low) 290W / 22.4A |

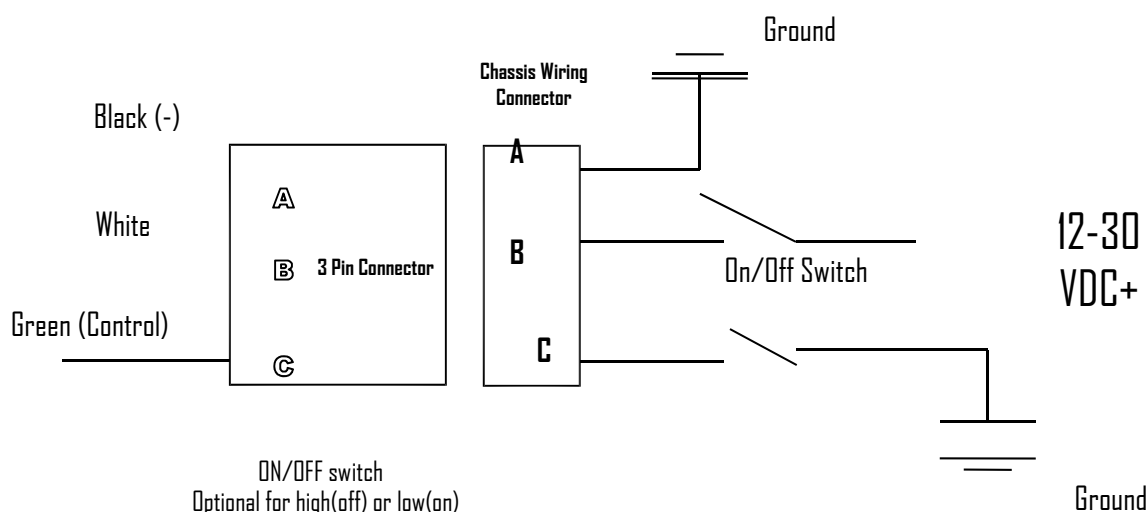| | | | | |
|---|---|---|---|---|
| 45-4003 | OnX6+, 40" Driving/Combo LED Light Bar | 40" x 4.29" x 2.69" | (High) 38,900  (Low) 32,440 | (High) 346W / 26.8A (Low) 290W / 22.4A |
| 45-4004 | OnX6+, 40" Wide Driving LED Light Bar | 40" x 4.29" x 2.69" | (High) 38,900  (Low) 32,440 | (High) 346W / 26.8A (Low) 290W / 22.4A |
| 45-4014 | OnX6+, Amber 40" Wide Driving LED Light Bar | 40" x 4.29" x 2.69" | (High) 38,900  (Low) 32,440 | (High) 346W / 26.8A (Low) 290W / 22.4A |
| 45-5001 | OnX6+, 50" High Speed Spot LED Light Bar | 50" x 4.29" x 2.69" | 39,430 | 355W / 28.2A |
| 45-5003 | OnX6+, 50" Driving/Combo LED Light Bar | 50" x 4.29" x 2.69" | 39,430 | 355W / 28.2A |
| 45-5004 | OnX6+, 50" Wide Driving LED Light Bar | 50" x 4.29" x 2.69" | 39,430 | 355W / 28.2A |
| 45-5014 | OnX6+, Amber 50" Wide Driving LED Light Bar | 50" x 4.29" x 2.69" | 39,430 | 355W / 28.2A |

## Isolux Charts





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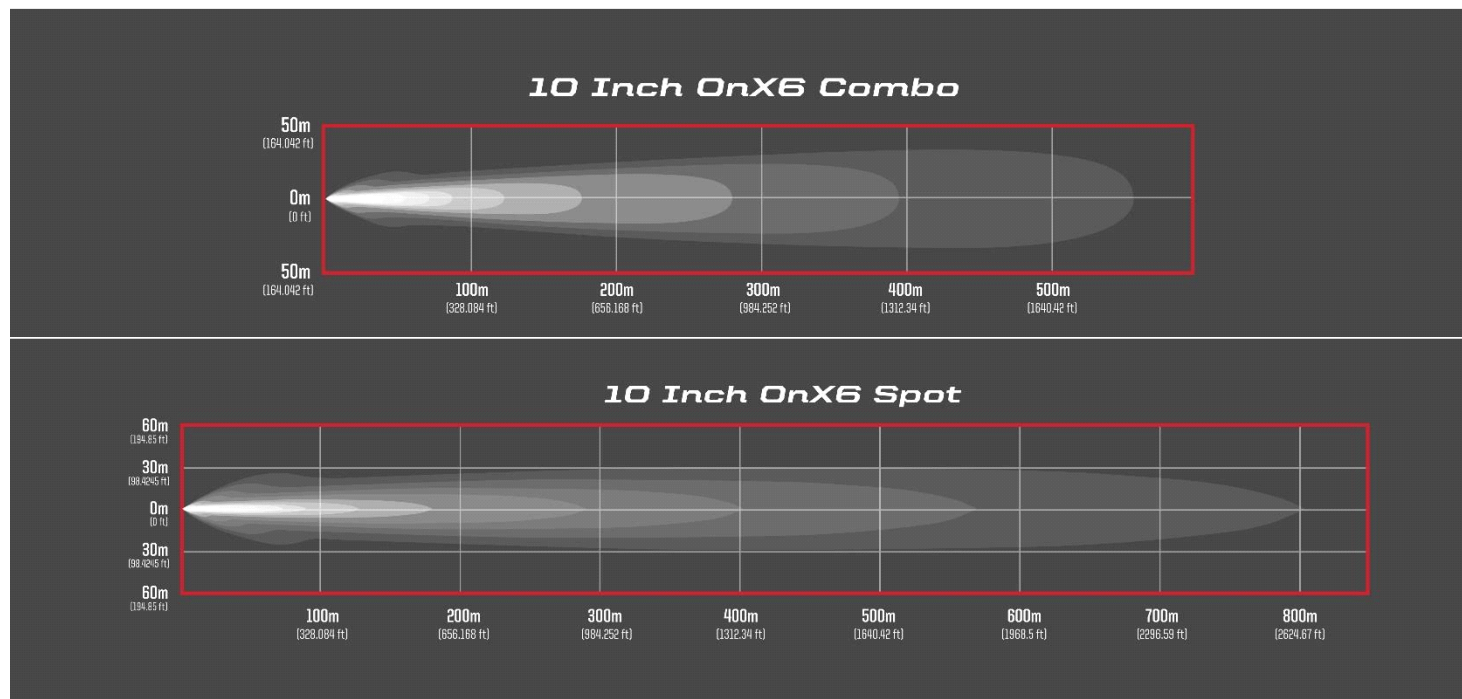
# Baja Designs OnX6 Wiring

All OnX6 Light bars have a microprocessor that performs thermal management of the LED's and allow a **dimming mode**. If you want to use the dimming mode of the light bar, a separate switch is required to ground the green control wire (Pin C). We also include a plug n play low adapter if you want the light always dimmed but don't want to wire a switch. If you do not need this feature, then a single standard on/off switch is all that is required.

## Wiring: 3 Pin WeatherPak Connector

Black (-)

White

Green (Control)

Ⓐ

Ⓑ  3 Pin Connector

Ⓒ

ON/OFF switch
Optional for high(off) or low(on)

Chassis Wiring Connector

A

B

C

Ground

On/Off Switch

Ground

12-30 VDC+

When using the 2ⁿᵈ Switch, the light will dim to 75% power. Turning the switch off will toggle back to full power. This is to be used when your vehicles charging system cannot produce the necessary voltage (13.5V or higher) to keep the vehicle charging. Included with your light is an inline "Hi-Low" adapter in case you **DO NOT** want to wire a secondary "On/Off" switch.
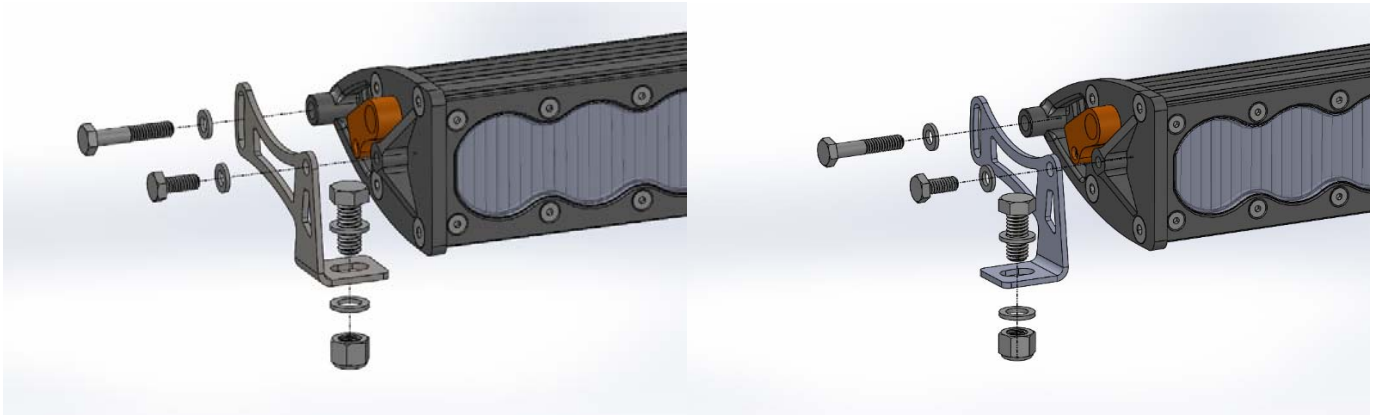
**BMT technology**: The OnX6 also features **B**attery **M**anagement **T**echnology which regulates the amount of amperage the light will draw in case of low voltage situations. This will help prolong the life of the vehicles battery by reducing the lights wattage as well as prevent the light from drawing too many amps through the vehicles electrical system.

**Moisture Block:** The Moisture Block functions exactly as it sounds, completely blocking moisture or water from climbing its way up the cord into your LED light.

*Cutting past the Moisture Block will **VOID YOUR WARRANTY***
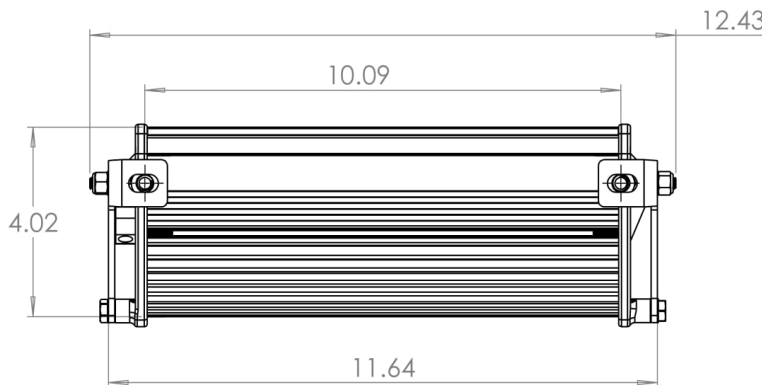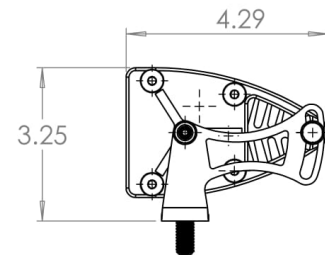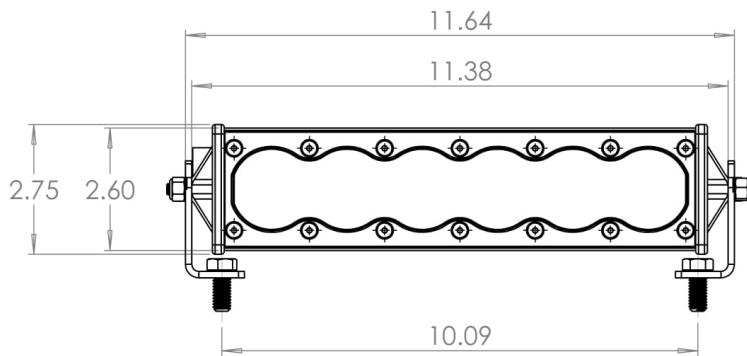
# OnX6 LED Light Bar Mounting



*If you have any questions, please don't hesitate to give us a call at 02 4966 8020*

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## 10 Inch Bar

11.64
11.38
2.75   2.60
10.09

4.29
3.25

12.43
10.09
4.02
11.64

NOTE: MOUNTING HARDWARE 1/4-20"
ALL OTHER HARDWARE USED METRIC

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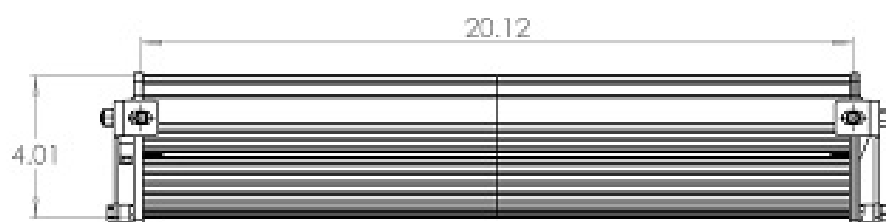
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# 20 Inch Bar



22.43
21.64
3.25  2.75
21.38

4.29
3.25

NOTE: MOUNTING HARDWARE 1/4-20"
ALL OTHER HARDWARE USED IS METRIC

20.12
4.01

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## 30 Inch Bar

31.64    803.7mm

31.38    797.1mm

4.29   109 mm

82.6 mm

3.25

30.50    774.7mm

30.12    765.1mm

4.29

109mm

# OnX6 LED Light Bar  Dimensions in INCHES
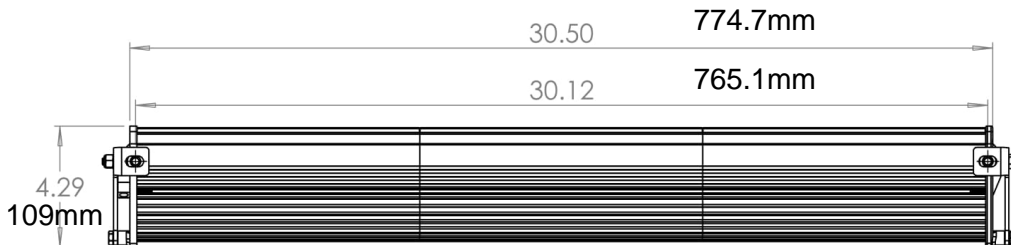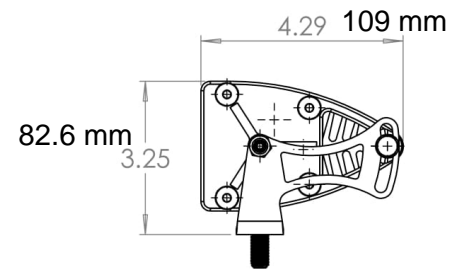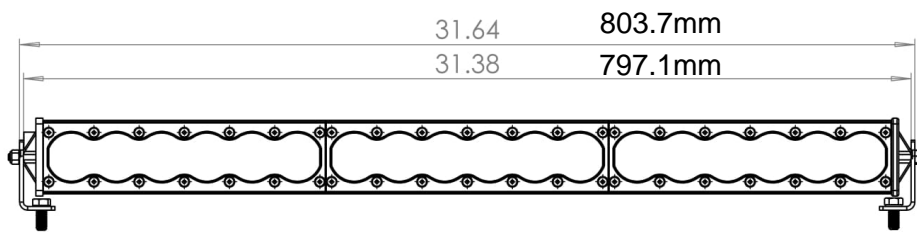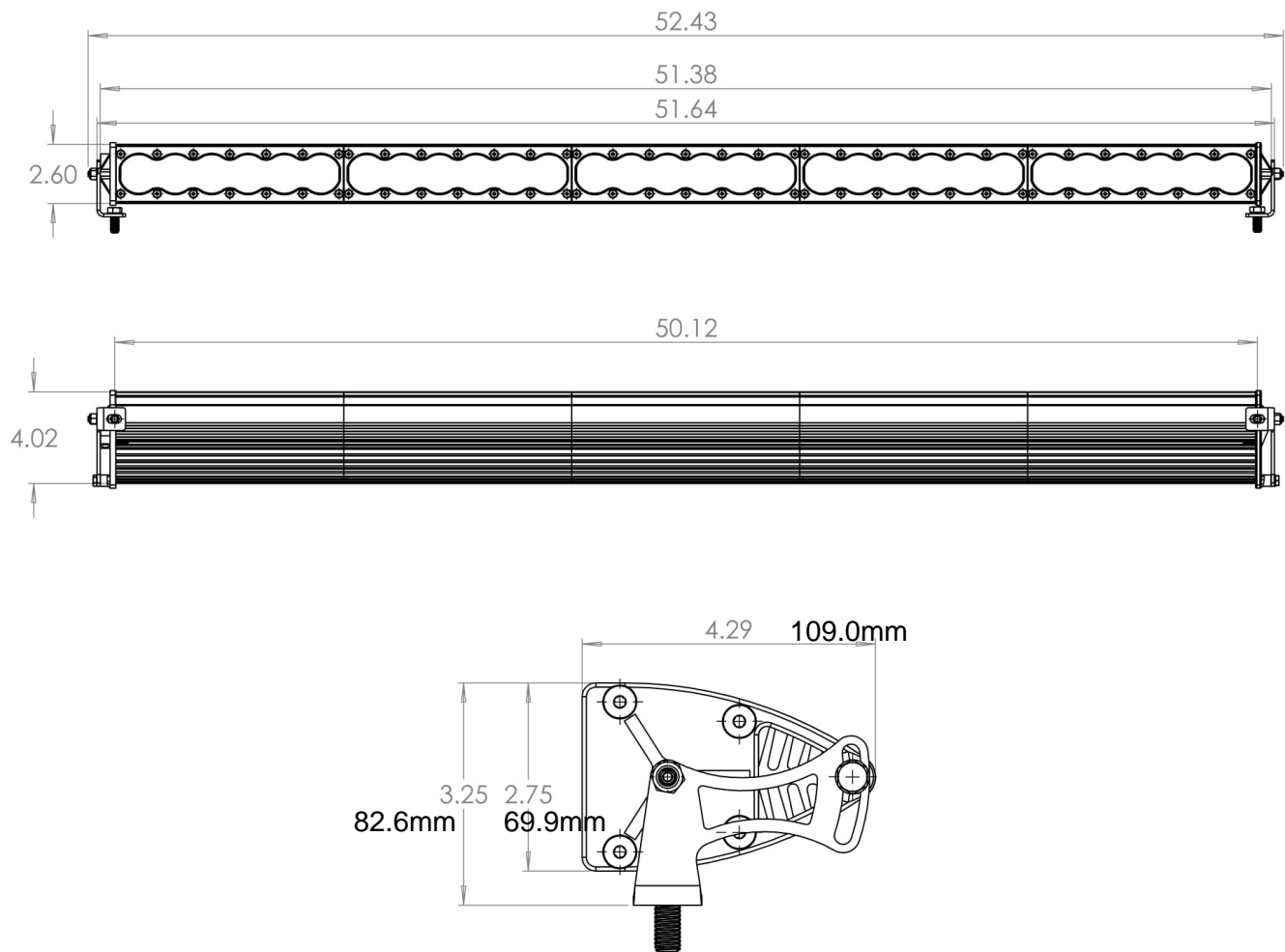
## 40 Inch Bar



41.64  1057.7mm
41.38  1051.1mm
3.25
82.6mm
2.75
69.9mm

40.12  1019.1mm
4.29
109.0mm

4.29  109.0mm
3.25  2.75
82.6mm  69.9mm

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## 50 Inch Bar



52.43

51.38

51.64

2.60

50.12

4.02

4.29    109.0mm

3.25    2.75

82.6mm    69.9mm

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# OnX6 LED ARCED Light Bar Dimensions



A — 31.3 / 795 mm
B — 30.6 / 778 mm
C — 32.5 / 826 mm
D — 29.8 / 757 mm
E — 2.75 / 70 mm
F — 3.3 / 84 mm
G — 5.04 / 128 mm
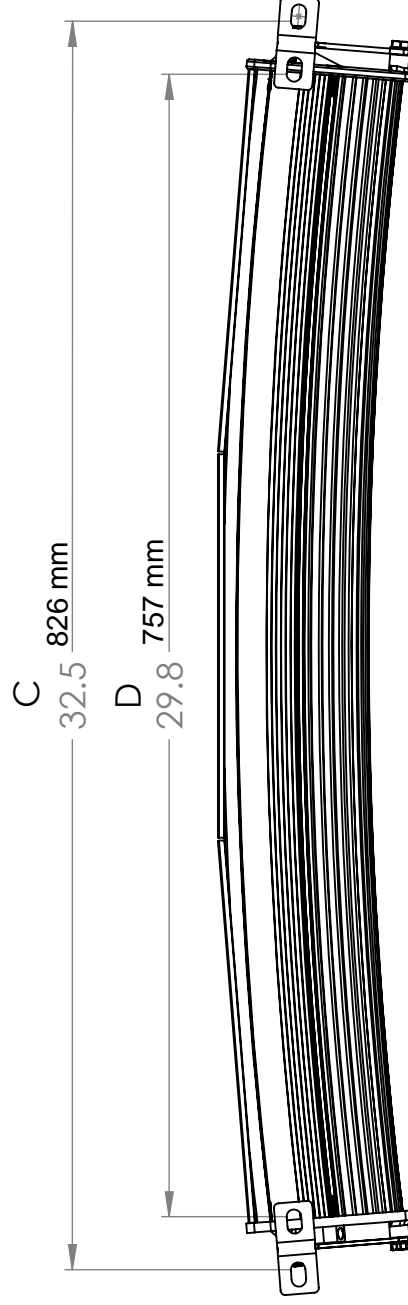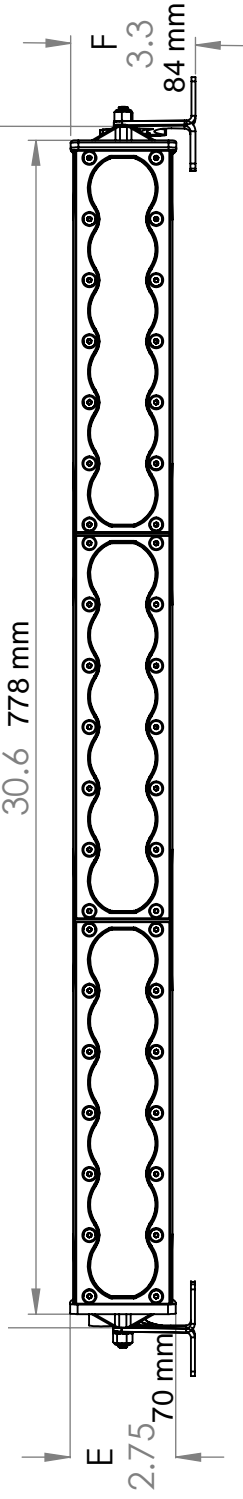
## ALL Size ARCED Bars

|  | A | B | C** | D** | E | F | G |
|---|---|---|---|---|---|---|---|
| 30 inch | 31.3 / 795 | 30.6 / 777 | 32.5 / 826 | 29.8 / 757 | 2.75 / 70 | 3.3 / 84 | 5.04 / 128 mm |
| 40 inch | 41.2 / 1047 | 40.5 / 1029 | 42.4 / 1077 | 39.6 / 1006 | 2.75 / 70 | 3.3 / 84 | 5.83 / 148 mm |
| 50 inch | 51.0 / 1296 | 50.4 / 1281 | 52.3 / 1329 | 49.4 / 1255 | 2.75 / 70 | 3.3 / 84 | 6.64 / 169 mm |
| 60 inch | 60.9 / 1547 | 60.3 / 1532 | 62.2 / 1580 | 59.2 / 1504 | 2.75 / 70 | 3.3 / 84 | 7.43 / 189 mm |

** Columns C&D represent minimum dimension for hole location and has a tolerance of +0.50inches.
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