



CARBON 2

NOW IN ITS 3RD GENERATION, THE CARBON SERIES LED DRIVING LIGHTS REPRESENT YEARS OF CONTINUED DEVELOPMENT AND TESTING AT THE VERY HIGHEST LEVELS OF PROFESSIONAL RALLY, TRACK, AND OFF-ROAD MOTORSPORT. THE RE-DESIGN AND RE-ENGINEERING OF THE PRODUCTS DELIVERS MORE LIGHT, LESS WEIGHT, GREATER FUNCTIONALITY, AND EASE OF FITMENT.

The Carbon-2 comes with the option for either a 'Spot' or 'Drive' beam pattern. The Spot version delivers 1 lux to 454m (per lamp) with a 32 degree left/right spread.

By contrast the Drive version provides a wider left/right spread of light equivalent to 60 degrees with the compromise being that the 1 lux line reaches measures at 265m. As well as operating in 'full beam' mode, the lights can also be easily switched to a low/dipped beam mode during operation, a function shared with other lamps in the Carbon Series range, which reduces the light output and vertical beam angle making these products especially adaptable to varying conditions where a reduced light output which avoids glare, might be preferable.



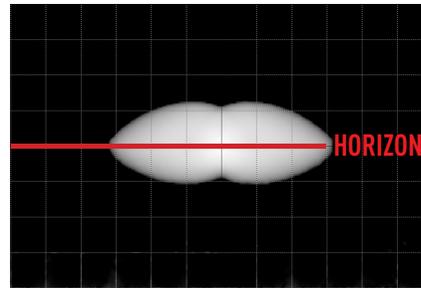
SEE MORE GO FASTER GO SAFER

CARBON-2 SPOT

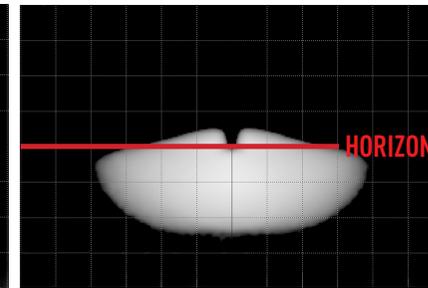


BEAM DISTRIBUTION

HIGH BEAM

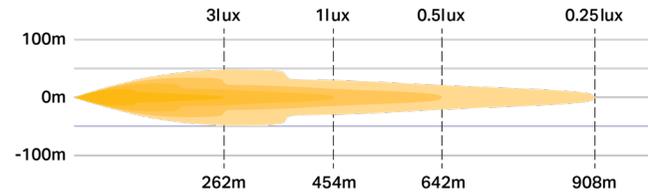


DIP / LOW BEAM



Horizontal Beam Spread: **32°** | Vertical Beam Spread: **12°**

PHOTOMETRIC DIAGRAM



Lamp features a built-in DT04-4P Deutsch Connector.
(Gold plated solid DT contacts)



Vehicle side will require the a DT06-4S Deutsch Connector.

PIN 1

Red - Positive (+V) 1mm²
(OD 2mm)

PIN 2

Black - Negative (-V) 1mm²
(OD 2MM)

PIN 3

Grey - Not used, disregard this pin.

PIN 4

Yellow - Dip / Low Beam Mode
(Signal) 0.5mm² (OD 1.5MM)

VOLTAGE RANGE

10V - 32V

RAW LUMENS

3120 Lm

EFFECTIVE LUMENS *

1839 Lm

BEAM PATTERN

SPOT

BEAM DISTANCE (1LX)

454m

HIGH POWER LEDS

12 LEDS

POWER CONSUMPTION

29 Watts

CURRENT DRAW (@ 14.4V)

2.1 Amps

MAX CURRENT DRAW (@ 11V)

2.6 Amps

OPTICAL EFFICIENCY

70%

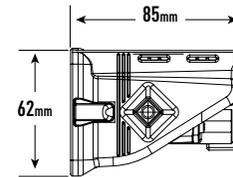
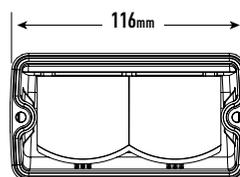
WEIGHT

SIDE MOUNT: 232g

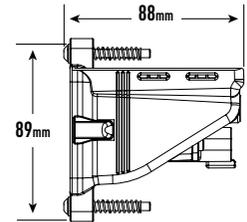
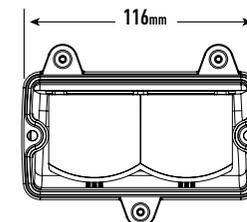
FRONT MOUNT: 240g

DIMENSIONS

SIDE MOUNT



FRONT MOUNT



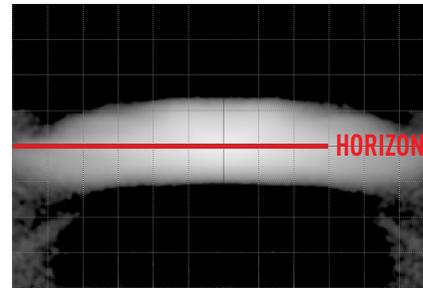
* Effective lumens measured in a 90° horizontal and 20° vertical field-of-view.

CARBON-2 DRIVE

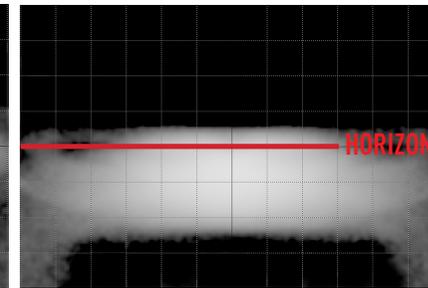


BEAM DISTRIBUTION

HIGH BEAM

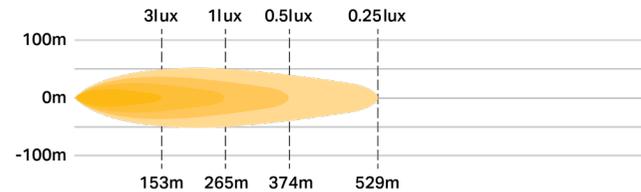


DIP / LOW BEAM

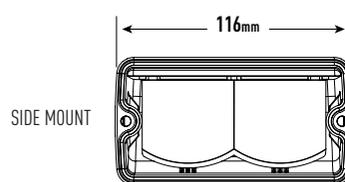


Horizontal Beam Spread: **60°** | Vertical Beam Spread: **15°**

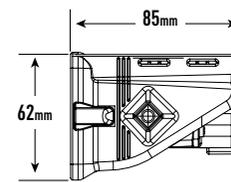
PHOTOMETRIC DIAGRAM



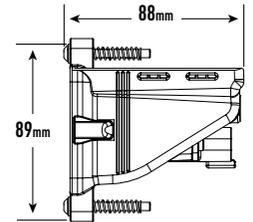
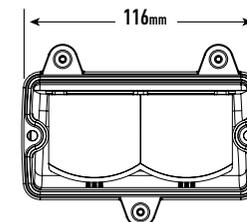
DIMENSIONS



SIDE MOUNT



FRONT MOUNT



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(Gold plated solid DT contacts)



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(Signal) 0.5mm² (OD 1.5MM)

| | |
|--------------------------|-----------|
| VOLTAGE RANGE | 10V - 32V |
| RAW LUMENS | 3120 Lm |
| EFFECTIVE LUMENS * | 1836 Lm |
| BEAM PATTERN | DRIVE |
| BEAM DISTANCE (1LX) | 265m |
| # HIGH POWER LEDS | 12 LEDs |
| POWER CONSUMPTION | 29 Watts |
| CURRENT DRAW (@ 14.4V) | 2.1 Amps |
| MAX CURRENT DRAW (@ 11V) | 2.6 Amps |
| OPTICAL EFFICIENCY | 70% |

WEIGHT

SIDE MOUNT: 232g
FRONT MOUNT: 240g

* Effective lumens measured in a 90° horizontal and 20° vertical field-of-view.