



CARBON-6 SPOT

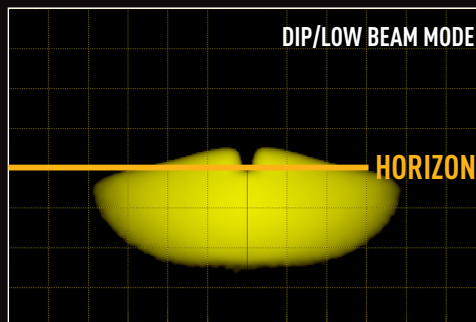
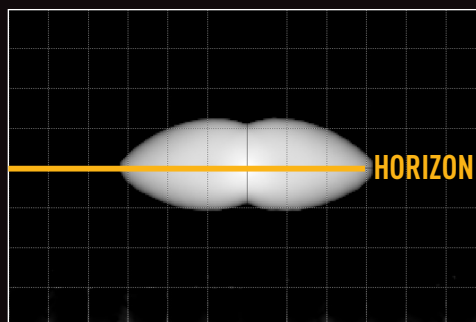
WITH YELLOW DIP BEAM

The latest generation of Carbon-6 LED driving lights reflects years of development and testing in top-level rally, track, and off-road motorsport, delivering more light, less weight, and enhanced functionality, with full UNECE Reg 149 approval.

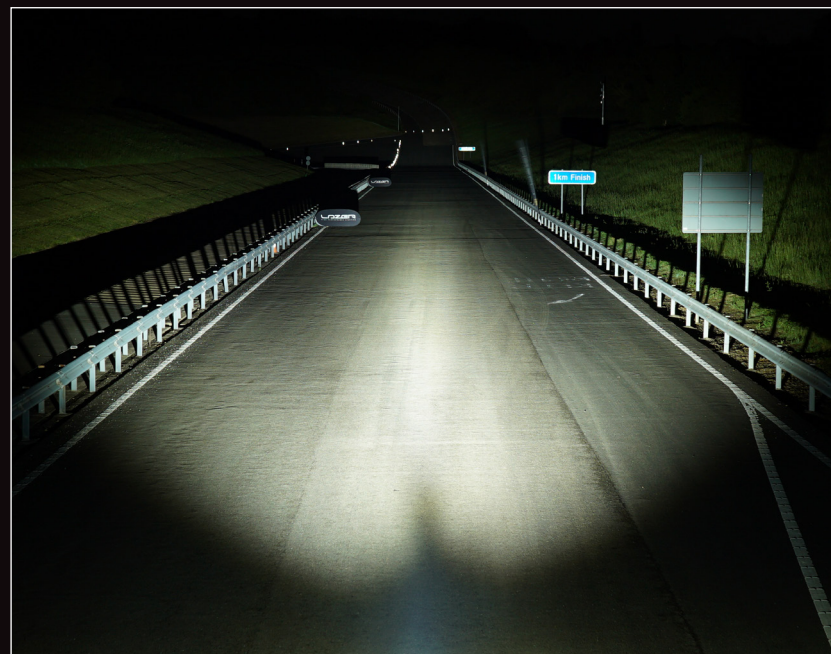
Carbon-6 Spot offers outstanding long-range visibility with a 32° left/right spread. Full beam mode operates in either low output (UNECE Reg 149 compliant) or boost mode (100% output), plus a yellow dip/low beam setting that angles the beam to reduce glare. The lamp also includes a changeable White and Amber Backlight. Each unit remains ultra-lightweight, featuring a high-strength, heat-resistant PC-ABS housing and a CAE-optimized anodized aluminum heat sink for optimal thermal and lighting performance.

Designed, engineered, and manufactured in the UK, Carbon-6 upholds Lazer's uncompromising standards in components and build quality. A black lens cover is included for added daytime protection.

BEAM DISTRIBUTION (HORIZONTAL: 32° / VERTICAL: 12°)



BEAM PATTERN (BOOST MODE)





KEY FEATURES

- Ultra-lightweight, PC-ABS material housing with a combination of premium-bin, high intensity LEDs.
- White and Amber backlight function.
- Yellow Low/dipped beam mode, optimised for snow/fog/dust conditions, or to prevent glare off road signs during road stage events.
- Dual-output functionality – High and Low output modes.
- UNECE Reg 149 Class RA Supplemental Driving Lights, approved for on-road high beam (Low Output mode only).
- CAE-optimised heatsink requires minimal airflow to maintain 100% light output.
- Dynamic drive modulation preserves electronic components in adverse conditions.
- Low profile, edge-to-edge design for improved aerodynamic performance.
- Lamp features a built-in DT04-4P Deutsch Connector (gold plated solid DT contacts).
- Vehicle side connector, plus 150mm cable length supplied with each lamp.
- 'Unbreakable' polycarbonate lens.
- Designed & manufactured in the UK.

SPECIFICATIONS

WEIGHT (G)	400
VOLTAGE RANGE	10V-32V
RAW LUMENS (BOOST MODE)	9360
TOTAL DRIVER 'FOV' FLUX (BOOST MODE)	6560
HIGH BEAM COLOUR TEMP	5000K
DIP BEAM COLOUR	YELLOW
POWER CONSUMPTION (BOOST MODE)	85 WATTS
PEAK CURRENT DRAW (BOOST MODE)	7.2 AMPS
CURRENT DRAW (14.4V) (BOOST MODE)	5.9 AMPS
CONNECTOR	4-PIN DEUTSCH DT (+15CM CABLE)

CERTIFICATION

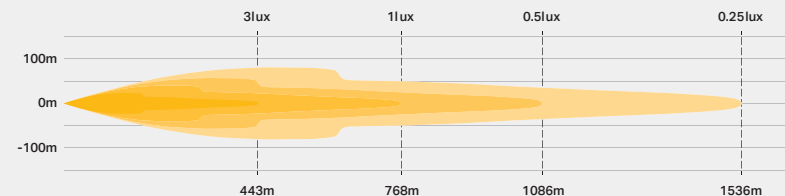
HIGH BEAM (LOW OUTPUT ONLY)	ECE REG 149 (REF 37.5)
EMC CERTIFICATION	ECE REG 10
IP RATING	IP68



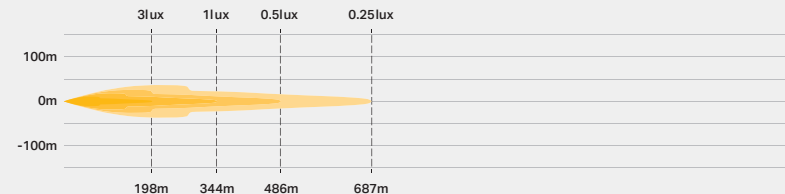
Scan the QR code to view/download the ECE certificates.

PHOTOMETRICS

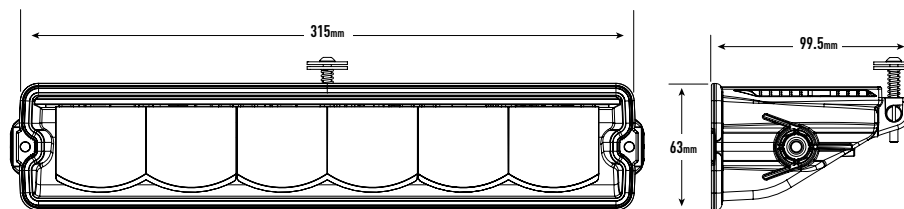
BOOST MODE



LOW OUTPUT MODE



LAMP DIMENSIONS

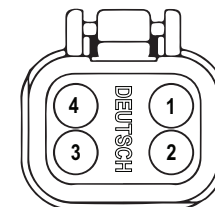


FINE ADJUSTMENT SCREW

1 turn = 0.83 degrees of **up** (anti-clockwise) or **down** (clockwise) adjustment.



Lamp features a built-in DT04-4P Deutsch Connector.



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

- Pin 1: Red (1mm²) - Dip / Low Beam (+V)
- Pin 2: Black (1mm²) - Negative (-V)
- Pin 3: Grey (1mm²) - High Beam (+V)
- Pin 4: Yellow (1mm²) - Backlight (+V)