



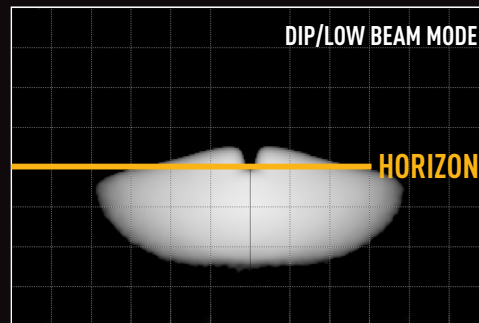
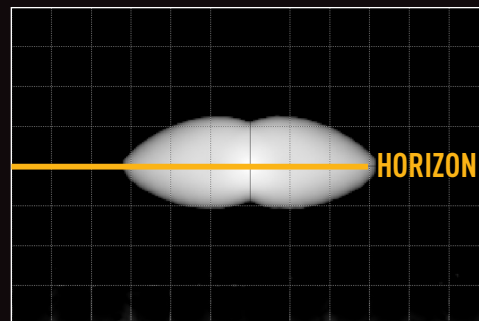
CARBON-2 SPOT

THE LATEST GENERATION OF CARBON-2 LED DRIVING LIGHTS REFLECTS YEARS OF DEVELOPMENT AND TESTING IN TOP-LEVEL RALLY, TRACK, AND OFF-ROAD MOTORSPORT. REDESIGNED FOR MORE LIGHT, LESS WEIGHT, AND ENHANCED FUNCTIONALITY—NOW WITH DOT/SAE COMPLIANCE.

Carbon-2 Spot delivers 1 lux at 454m (per lamp) with a 32° left/right spread. Full beam mode operates in either low output (DOT/SAE Compliant) or boost mode (100% output), with an additional dip/low beam setting that angles the beam to reduce glare. Each lamp weighs just 0.42lbs and features a high-strength, heat-resistant PC-ABS housing with a CAE-optimized anodized aluminum heat sink for optimal thermal and lighting performance.

Designed, engineered, and manufactured in the UK, Carbon-2 upholds Triple-R's uncompromising standards in components and build quality. Optional lens covers, including black and white variants, are also available for added daytime protection.

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



The Dip Mode is not DOT/SAE Compliant and should be used off-road and/or where local laws allow.

BEAM PATTERN (BOOST MODE)





KEY FEATURES

- Ultra-lightweight, PC-ABS material housing.
- Combination of premium-bin, high intensity LEDs.
- Low/dipped beam mode, to prevent glare off road signs during road stage events.
- Dual-output functionality – High and Low output modes.
- DOT/SAE Compliant Driving Light (in 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 (LBS)	0.42
VOLTAGE RANGE	10V-32V
RAW LUMENS (BOOST MODE)	3,120 LM
TOTAL DRIVER 'FOV' FLUX (BOOST MODE)	4,488 LM
HIGH BEAM COLOUR TEMP	5000K
DIP BEAM COLOUR	WHITE
POWER CONSUMPTION (BOOST MODE)	55 WATTS
PEAK CURRENT DRAW (BOOST MODE)	6.1 AMPS
CURRENT DRAW (14.4V) (BOOST MODE)	4 AMPS
CONNECTOR	4-PIN DEUTSCH DT (+15CM CABLE)

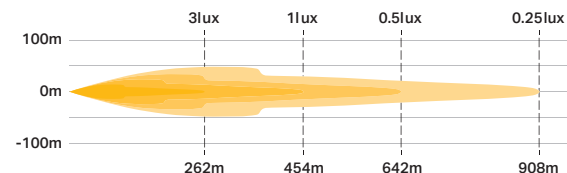
CERTIFICATION

HIGH BEAM (LOW OUTPUT ONLY)	DOT/SAE COMPLIANT
IP RATING	IP68

Please refer to the lamps' product page downloads section for the DOT/SAE compliance reports.

The backlight function is not DOT/SAE Compliant, and should be used off-road and/or where local laws allow.

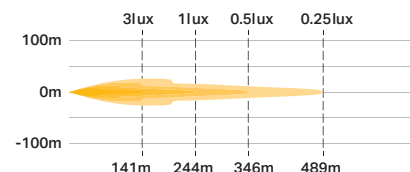
PHOTOMETRICS



To revert to high output (Boost mode):

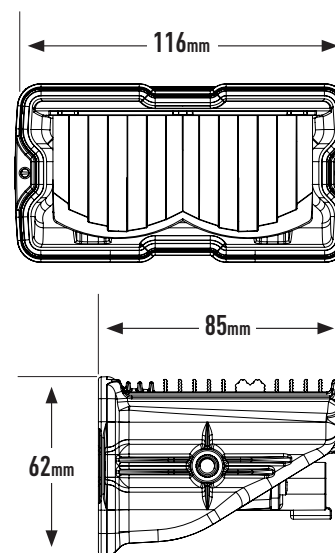
Turn on the high beam for 20 seconds (+/- 3 seconds). Flash the signal wire (yellow wire, which is normally used to activate Dip mode) OFF/ON 9 times. The lamp will now operate at 100% output.

LOW OUTPUT MODE DOT SAE



To activate Low Output mode: Turn on your vehicle's high beam for 20 seconds (+/- 3 seconds). Then, flash the signal wire (yellow wire, which is normally used to activate Dip mode) OFF/ON 19 times. The lamp will now operate at 25% output.

LAMP DIMENSIONS

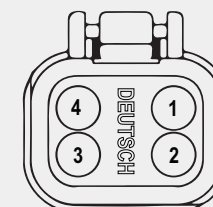


Mounting kits also available - Side Bracket Kit (1117K) and U-Shaped Bracket Kit (1148K).

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



- 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) - Not Used



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