



CARBON-2 SPOT

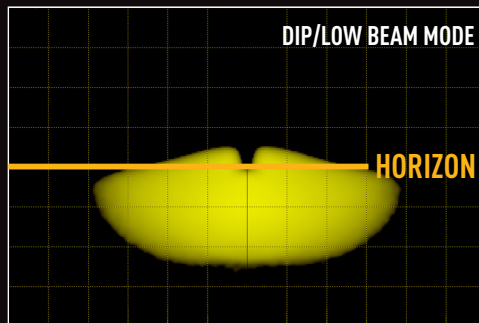
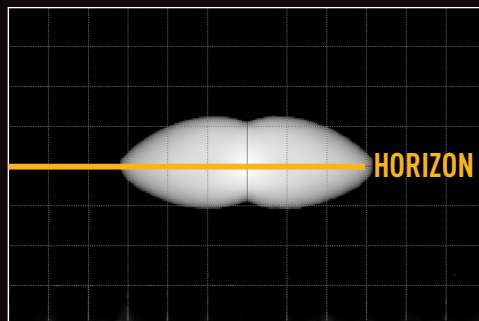
WITH YELLOW DIP BEAM

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.

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 yellow dip/low beam setting that angles the beam to reduce glare. As well as, an changeable integrated White and Amber Backlight. 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 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.
- 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	YELLOW
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)

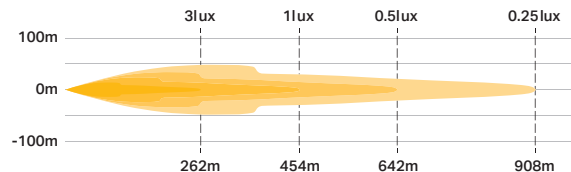
CERTIFICATION

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

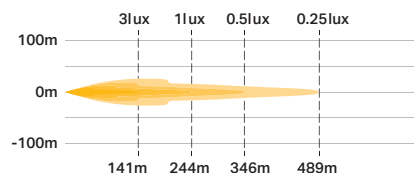
Please refer to the lamps' product page downloads section for the DOT/SAE compliance reports.

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

PHOTOMETRICS



LOW OUTPUT MODE DOT SAE



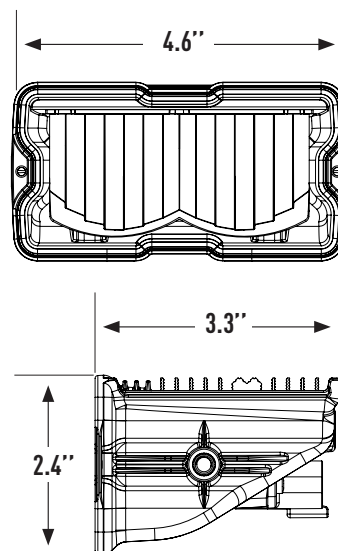
To revert to high output (Boost mode):

1. Turn on the high beam for 20 seconds (+/- 3 seconds).
2. Then, flash the high beam OFF/ON 9 times.
3. The lamp will pulse once, indicating that boost mode is activated.

To activate Low Output mode (DOT/SAE Compliant):

1. Turn on your vehicle's high beam for 20 seconds (+/- 3 seconds).
2. Then, flash the high beam OFF/ON 19 times.
3. The lamp will pulse 3 times to confirm that low output mode is activated.

LAMP DIMENSIONS

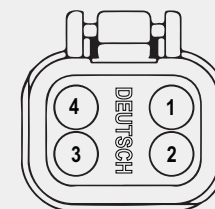


Mounting kits also available - Side Bracket Kit (1117K) and U-Shaped Bracket Kit (1148K).

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) - PL / Backlight (+V)



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