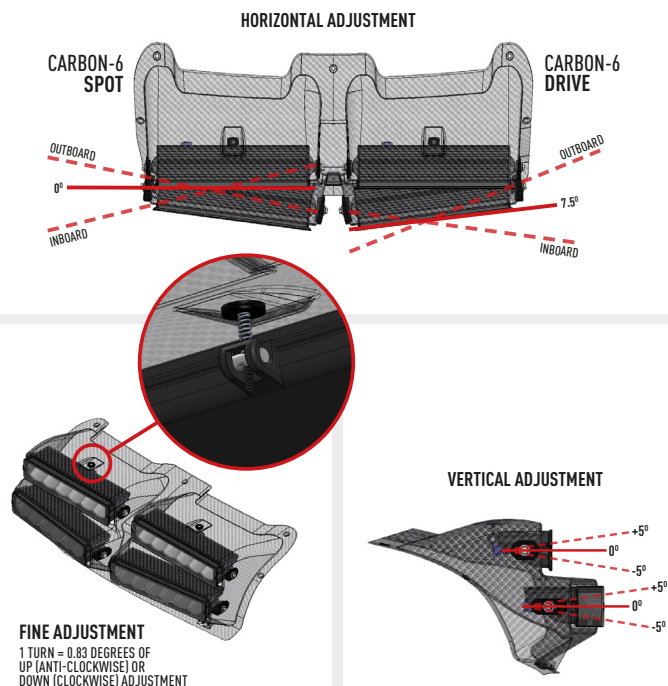


4-WAY BONNET POD ADJUSTMENT SETTINGS



ALSO AVAILABLE



AMBER AND BLACK LENS COVERS (INCLUDED WITH LAMP)



WIRING KITS



MOUNTING KITS

TRIPLE-R
HIGH PERFORMANCE LIGHTING

CARBON-6 INSTRUCTIONS

Thank you for your purchase of the 3rd Generation of Carbon-6 High Performance LED Driving Lights. Along with all the team at Triple-R, I hope you're delighted with the performance and build quality of your new lights, and they deliver a safer and faster night driving experience. As always we value your feedback and would welcome you to leave a review on our website.

B. Russell-Smith

Ben Russell-Smith (Director – Triple-R Lights)

TRIPLE-R
HIGH PERFORMANCE LIGHTING

WWW.TRIPLE-R-LIGHTS.COM

sales@triple-r-lights.com

Triple-R Lights LLC, 16192 Coastal Highway,
Lewes, Delaware, 19958, USA



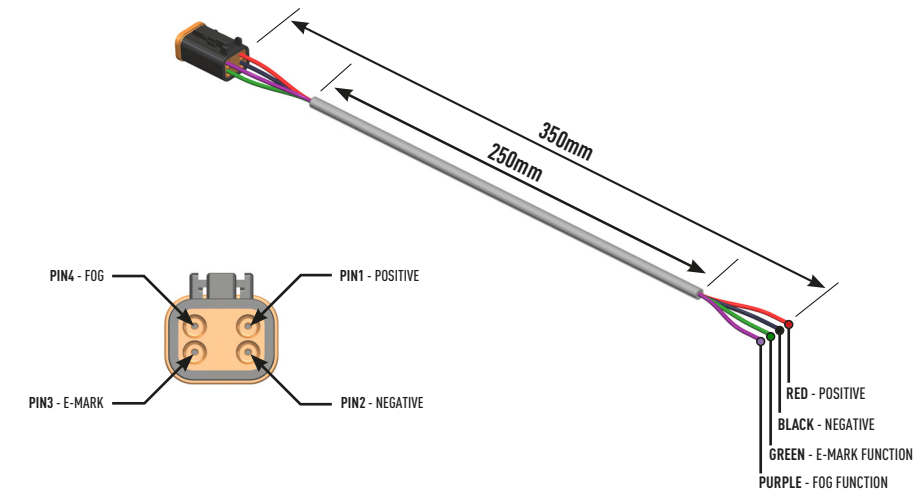
UK BUILT | US DRIVEN



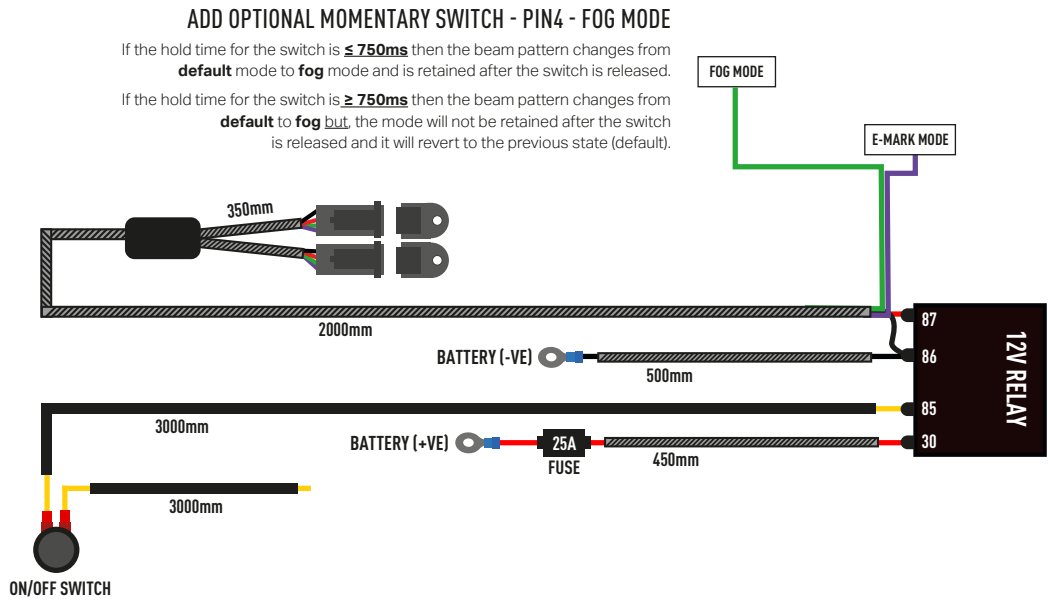
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ELECTRICAL CONNECTION

CARBON-6 (GEN3) CONNECTOR



TWO-LAMP HARNESS KIT FOR CARBON-6 (GEN3)



LAMP MODES
(CARBON-6 GEN3)

LAMP MODE	INPUT SIGNAL		BEAM PATTERNS		CURRENT @ 13.5V (A)
	GREEN WIRE (E-MARK) CONNECTOR PIN 3	PURPLE WIRE (FOG) CONNECTOR PIN 4	HIGH BEAM % LUMEN OUTPUT	FOG BEAM % LUMEN OUTPUT	
E-BOOST	0V	0V	100	0	6.5
E-MARK	12V	0V	25	0	1.625
FOG	0V	12V	0	100	6.5
RAIN	12V	12V	0	25	1.625

PWM INFORMATION
(CARBON-6 GEN3)

PWM SIGNAL REQUIREMENTS	
PWM SIGNAL FREQUENCY	100 Hz
TOLERANCE DUTY CYCLE	$\pm 2\%$

Some race teams may wish to activate the different modes of these lamps by using a PWM signal. PIN 3 is PWM capable, so race teams should use a 100Hz PWM frequency, in order to obtain different beam patterns. See table.

AVAILABLE PWM MODES	INPUT SIGNAL		LIGHT OUTPUT		CURRENT @ 13.5V (A)
	12V PWM SIGNAL ON PIN 3 (E-MARK PIN) DUTY CYCLE %	VOLTAGE ON PIN 4 (FOG PIN)	PRIMARY BEAM % LUMEN OUTPUT	SECONDARY BEAM % LUMEN OUTPUT	
	0	0V	100	0	6.5
	10	0V	90	0	5.9
	18	0V	80	0	5.2
	26	0V	70	0	4.6
	34	0V	70	30	6.5
	42	0V	70	40	7.2
	50	0V	60	60	7.8
	58	0V	40	70	7.2
	66	0V	30	70	6.5
	74	0V	0	80	5.2
	82	0V	0	90	5.9
	90	0V	0	100	6.5
	100	0V	25	0	1.6
	0	12V	0	100	6.5
	10	12V	0	95	6.2
	18	12V	0	90	5.9
	26	12V	0	85	5.5
	34	12V	0	80	5.2
	42	12V	0	75	4.9
	50	12V	0	70	4.6
	58	12V	0	65	4.2
	66	12V	0	60	3.9
	74	12V	0	55	3.6
	82	12V	0	50	3.3
	90	12V	0	45	2.9
	100	12V	0	25	1.6