

# **Contract 9/33/13 - Motor Vehicle and Pedal Cycle Conspicuity**

## **Part 2: Pedal Cycles**

### **Final report :**

## **Product decoding guide**

*Undertaken on behalf of*

The Department of the Environment  
Transport and the Regions

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## **Decoding information for identifying lights used in trials**

**Table 1:- Makes and models of rear lights used in the Phase 1 trials**

Light number	Supplier	Model	Modes	Type	Cost (£)	Approval
1	Cateye	TL510	Static	Filament	14.99	None
2	Cateye	TLL D220	Static Flash	3 LED	18.99	None
3	Cateye	TLL D120	Static Flash	3 LED	7.99	None
4	Cateye	TLL D300	Static Random	5LED	18.99	None
5	Cateye	TLL D500	Static Flash	5LED	9.99	None
6	Zefal	XF626	Static Random Pattern	5LED	11.99	None
7	Trek	54276	Static Flash	5LED	9.99	None
8	Vistalite	Xenon	Flash	Strobe	19.99	None
11	Basta	LED	Static Slow Flash Fast Flash Pattern	3LED	14.99	None
12	Exide	Sabre	Static	Filament	12.99	BS6102-3
13	Ultralight	Rear	Static	Filament	13.99	BS3648

**Table 2:- Makes and models of front lights used in the Phase 1 trials**

Light number	Supplier	Model	Type	Cost (£)	Approved
14	Cateye	TLLD500Y	5LED	9.99	None
15	Cateye	TLLD220CY	3LED	18.99	None
16	Cateye	HL500II	Halogen	18.99	Non BS micro light
18	Cateye	HL500	Halogen	14.99	Non BS
22	Vetta	VT10	Krypton	16.95	Non BS
23	Vistalite	600X	Xenon	13.99	Non BS
24	Smart	Headlight	Halogen	16.99	Non BS, dual power, high frequency
27	Exide	Sabre	Filament	12.99	Set with rear light, BS6102/3 approved
28	Ultralight	Rear	Filament	13.99	Set with rear light, BS3648 approved

**Table 3 - Makes and models of rear lights used in Phase 2 and Phase 6 trials**

<b>Light code</b>	<b>Make</b>	<b>Model</b>	<b>Mode</b>	<b>Type</b>
<b>Light A*</b>	Vistalite	Cuelite VL2000	flashing	5 LED
<b>Light B</b>	Ultralite	Rear	Static	Filament
<b>Light C*</b>	Hella	Piranah RL960	Static	3 LED (BS 6102 compliant)
<b>Light D</b>	Trek	54276	flashing	5 LED
<b>Light E</b>	Cateye	TLL D500	flashing	5 LED
<b>Light F</b>	Cateye	TL510	static	filament
<b>Light G</b>	Exide	Sabre	static	filament
<b>Light H</b>	Cateye	TLL D500	flashing	5 LED (duplicate of light E)

**Table 4 - Makes and models of front lights used in Phase 3 trials**

<b>Light Number</b>	<b>Supplier</b>	<b>Model</b>	<b>Type</b>	<b>Specification</b>	<b>Approved ?</b>
<b>Light 1</b>	Ultralight,	Front	Krypton Filament	2.4 volt 0.7 amp	BS6102 approved
<b>Light 2</b>	Vistalite	600X	Xenon	4.8 volt 0.375 amp	Non BS
<b>Light 3</b>	Smart	Headlight	Halogen	4.8 volt 0.5 amp	Non BS, dual power, high frequency
<b>Light 4</b>	Cateye	HL500II	Halogen micro	4.8 volt 0.5 amp	Non BS

**Table 5 - Makes and models of front lights used in Phase 4 and Phase 5 trials**

<b>Light Number</b>	<b>Supplier</b>	<b>Model</b>	<b>Type</b>	<b>Specification</b>	<b>Approved ?</b>
<b>Light 1</b>	Ultralight,	Front	Krypton Filament	2.4 volt 0.7 amp	BS6102 approved
<b>Light 2</b>	Vistalite	600X	Xenon	4.8 volt 0.375 amp	Non BS
<b>Light 3</b>	Smart	Headlight	Halogen	4.8 volt 0.5 amp	Non BS, dual power, high frequency
<b>Light 4</b>	Cateye	HL500II	Halogen micro	4.8 volt 0.5 amp	Non BS
<b>Light 5</b>	Cateye	NC210	Halogen	4.8 volt 0.7 amp	Non BS