



BRIGHTSTARTW

E-MARK

&

DOT

MULTIFUNTION LED LIGHTS



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E-MARK & DOT APPROVAL LED HEADLIGHT

E-BIKE / MOPED / MOTOR TRICYCLE / QUADRICYCLE



E-MARK APPROVED
R113 EMC
CLASS C

HIGH BEAM

LOW BEAM

Daytime Running Light

E1 & E2

E-MARK APPROVED
R149 R148 EMC
CLASS C

HIGH BEAM

LOW BEAM

POSITION Light

E6

SPECIFICATIONS	E1	E2	E6	Input Voltage	12VDC Custom Volt: 12-120VDC
Inside Chip	Osram Chip LOW BEAM : 10W High Beam : 16W *DRL : 2W	Osram Chip LOW BEAM : 10W High Beam : 10W *DRL : 1W	Osram Chip LOW BEAM : 12W High Beam : 18W POSITION LIGHT : 2W	Housing	Aluminum Alloy (CNC)



E3

LOW BEAM
Daytime Running Light

E-MARK APPROVED
R113 EMC
CLASS C

E5

LOW BEAM
Position Light

E9

LOW BEAM
HIGH BEAM

E-MARK APPROVED
R149 EMC
CLASS B

LOW BEAM
HIGH BEAM
Position Light

E10

*DRL : Daytime Running Light

SPECIFICATIONS	E3	E5
Inside Chip	Osram Chip LOW BEAM : 10W *DRL : 2W	Osram Chip LOW BEAM : 10W POSITION LIGHT : 1W
Input Voltage	12VDC Custom Volt: 12-120VDC	
Housing	Aluminum Alloy (CNC)	

SPECIFICATIONS	E9	E10
Inside Chip	Osram Chip LOW BEAM : 8W HIGH BEAM : 10W	Osram Chip LOW BEAM : 8W HIGH BEAM : 10W POSITION LIGHT : 1W
Input Voltage	6 VDC / 12 VDC Custom Volt: 6-120VDC	
Housing	Aluminum Alloy	



SPECIFICATIONS	E7				
	LOW	HIGH	FOG LIGHT	POSITION LIGHT	CORNERING LIGHTS
Inside Chip OSRAM Chip	18W	36W	13W	3W	10W
Input Voltage	12-60 VDC 12-120 VDC(Custom-Volt)				
Housing	Aluminum Alloy				

LOW BEAM
18W
ECE R149

HIGH BEAM
36W
ECE R149

AUX LIGHT
Left 10W

AUX LIGHT
Right 10W

POSITION
&*DRL 3W
ECE R148

*DRL: Daytime Running Light

FOG LIGHT
13W
ECE R149



E7 MOTORCYCLE HEADLIGHT

E-MARK & DOT 7in1

7" LED INTEGRATED MOTORCYCLE HEADLIGHT



E-MARK APPROVED
R149 EMC
Class B

HEADLIGHT E11

E-MARK & DOT DARKBUSTER

SPECIFICATIONS	E11
Inside Chip	Osram Chip LOW BEAM : 8W
Input Voltage	6VDC / 12VDC Custom Volt: 6-120VDC
Housing	Aluminum Alloy



SPECIFICATIONS	A1 TURN SIGNAL	AT1-F FRONT POSITION + TURN SIGNAL	AT5-F FRONT POSITION + TURN SIGNAL	AT1-R REAR POSITION + BRAKE LIGHT + TURN SIGNAL	T2 REAR POSITION + BRAKE LIGHT + LICENSE PLATE LIGHT
Inside Chip	1W	1W	3W	1W OSRAM Chip	1W OSRAM Chip
Color Temperature	TURN SIGNAL LIGHT	POSITION LIGHT	TURN SIGNAL LIGHT	POSITION LIGHT	BRAKE LIGHT
	AMBER	WHITE	AMBER	WHITE	AMBER
Input Voltage	6VDC / 12VDC 6-120 VDC (Custom Volt)		12VDC 6-120 VDC (Custom Volt)	6VDC / 12VDC 6-120 VDC (Custom Volt)	
HOUSING	PLASTIC				Aluminum Alloy (CNC)



PRODUCT	E-MARK APPROVED	POWER	INPUT VOLTAGE	WATER PROOF	MATERIAL	DIMENSIONS	WEIGHT
HEADLIGHT							
*DRL: Daytime Running Light							
DARKBUSTER E1 	ECE R113 (CLASS C) ECE R87 EMC	PASSING BEAM : 10W DRIVING BEAM : 16W *DRL: 2W	12VDC Custom Volt: 12-120VDC	IP68(1M)	OSRAM CHIP ALUMINUM ALLOY (CNC) RoHs	W90 × H58 × D66.7 mm	330 g
DARKBUSTER E2 	ECE R113 (CLASS C) EMC	PASSING BEAM : 10W DRIVING BEAM : 10W *DRL: 1W	12VDC Custom Volt: 12-120VDC	IP68(1M)	OSRAM CHIP ALUMINUM ALLOY (CNC) RoHs	W90 × H58 × D66.7 mm	315 g
DARKBUSTER E3 	ECE R113 (CLASS C) EMC	PASSING BEAM : 10W *DRL: 2W	12VDC Custom Volt: 12-120VDC	IP67	OSRAM CHIP ALUMINUM ALLOY (CNC) RoHs	W&H Ø 58 × D71 mm	230 g
DARKBUSTER E5 	ECE R113 (CLASS C) EMC	PASSING BEAM : 10W POSITION LIGHT : 1W	12VDC Custom Volt: 12-120VDC	IP67	OSRAM CHIP ALUMINUM ALLOY (CNC) RoHs	W&H Ø 58 × D71 mm	240 g
DARKBUSTER E6 	ECE R149 (CLASS C) ECE R148 EMC	PASSING BEAM : 12W DRIVING BEAM : 18W POSITION LIGHT : 2W	12VDC Custom Volt: 12-120VDC	IP68 (1M)	OSRAM CHIP ALUMINUM ALLOY (CNC) RoHs	W90 × H58 × D66.7 mm	330 g
DARKBUSTER E7 	ECE R149 (CLASS D) ECE R148 EMC	PASSING BEAM : 18W DRIVING BEAM : 36W FOG LIGHT : 13W POSITION LIGHT : 3W CORNERING LIGHT : LEFT 10W / RIGHT 10W	12VDC Custom Volt: 12-120VDC	IP67	OSRAM CHIP ALUMINUM ALLOY RoHs	W&H Ø 178 × D92 mm	1100 g
DARKBUSTER E9 	ECE R149 (CLASS B) EMC	PASSING BEAM : 8W DRIVING BEAM : 10W	6V / 12VDC Custom Volt: 6-120VDC	IP68 (1M)	OSRAM CHIP ALUMINUM ALLOY RoHs	W&H Ø 58 × D62 mm	150 g
DARKBUSTER E10 	ECE R149 (CLASS B) EMC	PASSING BEAM : 8W DRIVING BEAM : 10W POSITION LIGHT : 1W	6V / 12VDC Custom Volt: 6-120VDC	IP68 (1M)	OSRAM CHIP ALUMINUM ALLOY RoHs	W&H Ø 58 × D62 mm	180 g
DARKBUSTER E11 	ECE R149 (CLASS B) EMC COMPACT SIZE	PASSING BEAM : 8W	6V / 12VDC Custom Volt: 6-120VDC	IP68 (1M)	OSRAM CHIP ALUMINUM ALLOY RoHs	W Ø 43 × H56 × D45.3 mm	90 g
DRIVING LIGHT							
DARKBUSTER DB5 	ECE R113 ECE R10	DRIVING LIGHT : 12W	12VDC Custom Volt: 12-120VDC	IP68(1M)	CREE CHIP HOUSING: ALUMINUM ALLOY (CNC) MOUNTING : STAINLESS STEEL(304)	W65 × H67 × D49 mm	250 g
DARKBUSTER DB6 	ECE R113 ECE R50 ECE R10	AUXILIARY LIGHT : 12W TURN SIGNAL : 2W	9-26VDC Custom Volt: 12-120VDC	IP68(1M)	CREE CHIP HOUSING: ALUMINUM ALLOY (CNC) MOUNTING : STAINLESS STEEL(304)	W65 × H67 × D49 mm	250 g
FOG LIGHT							
DARKBUSTER F1 	ECE R149	FOG LIGHT : 10W	12VDC Custom Volt: 12-120VDC	IP68(1M)	OSRAM CHIP HOUSING: ALUMINUM ALLOY (CNC) MOUNTING : STAINLESS STEEL(304)	W65 × H67 × D58 mm	150 g
TAIL LIGHT							
DARKBUSTER T2 	ECE R50 EMC	1W / 2W	12VDC Custom Volt: 6-120VDC	IP67	OSRAM CHIP ALUMINUM ALLOY (CNC) RoHs	W 64.7 × H15.6 × D26.2 mm	45 g
DARKBUSTER T2E 	ECE R50 EMC	0.5W / 1W	12VDC Custom Volt: 6-120VDC	IP67	OSRAM CHIP PLASTIC RoHs	W 67.2 × H18.1 × D21 mm	35 g
TURN SIGNAL							
DARKBUSTER A1 SOLID / FLAT 	ECE R148 EMC	1W	6VDC / 12VDC Custom Volt: 6-120VDC	IP67	TAIWAN CHIP PLASTIC RoHs	S : W112.8 × H18.5 × D24.5 mm F : W67.2 × H18.1 × D21 mm	SOLID 45 g FLAT 30 g
FRONT POSITION + TURN SIGNAL							
DARKBUSTER AT1-F SOLID / FLAT 	ECE R148 EMC	1W	6VDC / 12VDC Custom Volt: 6-120VDC	IP67	TAIWAN CHIP PLASTIC RoHs	S : W112.8 × H18.5 × D24.5 mm F : W67.2 × H18.1 × D21 mm	SOLID 45 g FLAT 30 g
REAR POSITION + BRAKE + TURN SIGNAL							
DARKBUSTER AT1-R SOLID / FLAT 	ECE R148 EMC	1W	6VDC / 12VDC Custom Volt: 6-120VDC	IP67	OSRAM CHIP PLASTIC RoHs	S : W112.8 × H18.5 × D24.5 mm F : W67.2 × H18.1 × D21 mm	SOLID 45 g FLAT 30 g



BRIGHTSTARTW

AI MOBILITY LIGHTING MANUFACTURER



BRIGHTSTARTW was founded in 2002 and specialized in automotive lamps, stage lights and diving lights. Now we focus on developing **E-MARK & DOT LED Lights**.

Our advantage: Legal on-road, Energy-saving & Robust Quality



QUALITY ASSURANCE



Integrating Sphere Test



Spraying Test



Salt Spray Test



Temperature Cycle & Humidity Test



Aging Test



Photometric Test



Vibration Test



Sealing Test



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