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(22) 2003 02 21

(71) ( )  
386 318

( )  
388 316

(72) 111-1306

904 3

(74)

:

(54) 가 가

(LED) (光源) LED , LED LED L  
ED , LED LED 가 가

3

LED , , ,

1 ,

2 ,

(Light Emitted Diode: LED) 가 , LE

D 가 가 LED

1 1 4 (2)가

(白熱燈) (Light Emitted Diode)

LED LED 가 85%~90% (Sun Phantom) LED

가

LED (20) 2 (11) LED (10) LED (12)

, LED LED LED

LED LED 가 LED

LED가 LED가

(指示燈) 가 가

LED 가 가

가

(信號燈)

LED

(LED) (光源) LED ,

LED LED LED LED LED

가 가 LED LED LED LED

(Traffic Signal) (光源) LED ; ,  
 LED ; LED LED ; LED LED ;  
 ( ) / (line) ; (故障率)  
 LED , .  
 2 (200)  
 (210) (220) LED (100) , (200)  
 (Traffic Signal) (光源) LED (130) ; (200) ( )  
 110) ; (110) LED (140) ; (line) LED LED  
 (120) ; LED (160) ; (Traffic Signal) (140)  
 (故障率) , (200) (160)  
 (200) LED (150)  
 LED (200) (220) LED (160)  
 (150) (210) (120) LED LED (130)  
 LED (130) (光源) LED , LED , (matrix)  
 LED (140) LED LED LED (150)  
 (150) LED (140) LED (160) (故障率)  
 (frame) LED (120) LED  
 (120) (150) LED (110)  
 (160) (200) LED  
 (110) (200) LED  
 LED LED  
 LED  
 가

(57)

1.

(LED) (光源) LED , LED ;

LED LED , LED LED  
가가 .

2.

1 , LED , (Traffic Signal) (光源) LED ;

LED ;

( ) LED ;

LED LED ; / LED LED

(line) (Traffic Signal) ;

(故障率)

LED ,

3.

1 , LED 가 ,



