

5~25[cd/m<sup>2</sup>],  
50~1,000[cd/m<sup>2</sup>]

3가  
( 2). 가  
3

1998 4  
4

< 2> [lx]

		20	4
		15	3
		10	2
		10	2
		7.5	1.5
		5	1
		7.5	1.5
		5	1
		3	-

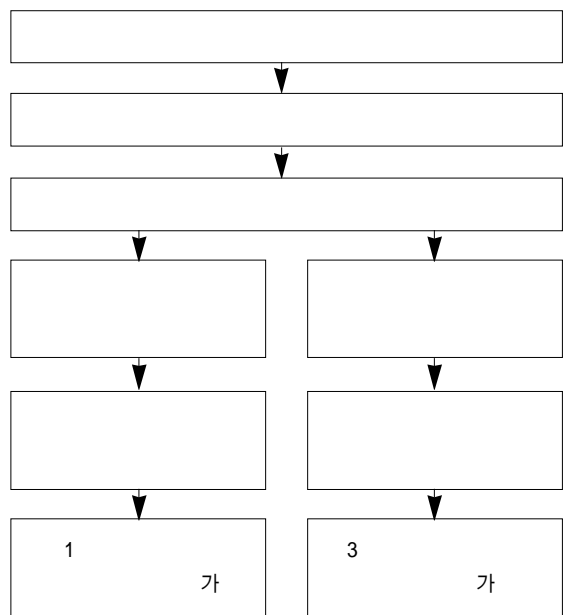
< 3> [cd]

		E1	E2	E3	E4
		2500	7500	10000	25000
(l)		0	500	1000	2500

< 4> ( )

		「 」	, ,
		「 」	, ,
		「 」	, 가
		「 」	, 가

4 ,  
[ ] 가  
가  
가  
[ ] 가  
,가  
가가 ,  
가 . [ ]



[ 3]



가 , , ,  
 [ , 가  
 ] 가 , 가  
 가 , 가  
 , 5 가 가  
 , 가  
 , 6

< 5> 가

	가		가	
		0%		
		0~5%	0~15%	0~15%
			0~20%	

< 6>

	2	5	10	25

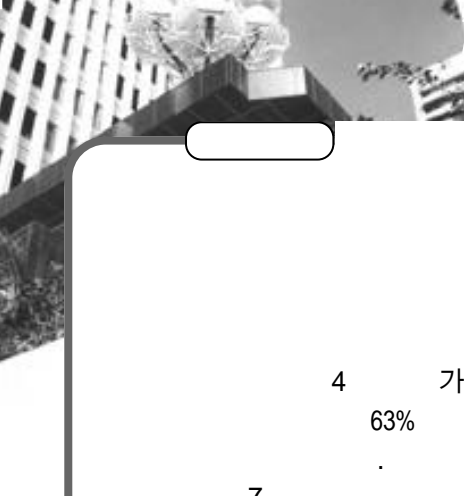


(a)



(b)

[ 4]



4 가 63% , 73% 5 가 ( )가 .  
 7 가 , 가 , 6 360.  
 가 .

< 7 >

	300W	150W	가
	40	85	
	3,900	3,000	
(W)	313	175	44%
(lm)	15,800	13,500	15%
(lm/W)	50.5	77	52%
(%)	68.2	71.6	5%
(%)	19.5	4.2	(5%: )
(cd/m <sup>2</sup> )	1,090	419	JIS (2000cd)
	0.2	0.3	1.5
(lx)	7.76	10.30	1.3
(kWh/ )	1,142.45	638.75	44%
(円/ )	23,820	14,508	39% ( 9,312円 )



[ 5 ] 가



[ 6 ]



가 ( 8 ).  
7

가

가

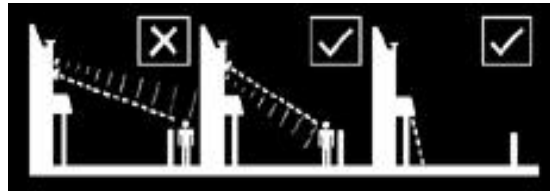
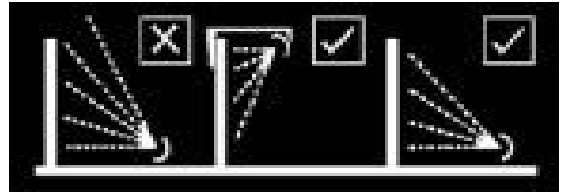
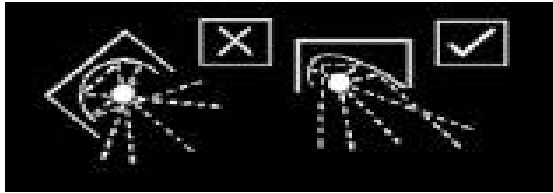
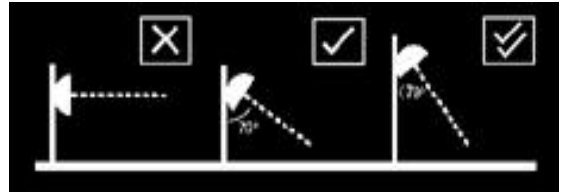
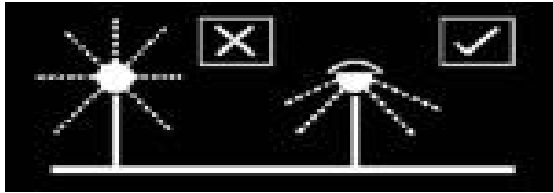


[ 7 ]



[ 8 ]





[ 9 ] 가

, 70 가 가 ,

(overlighting)

Passive infrared detectors

1988

(International DarkSky Association)

“ 45 가 가 1994 가 ” “ 50~ ”

90%

