

5~25[cd/m²],
50~1,000[cd/m²]

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	-

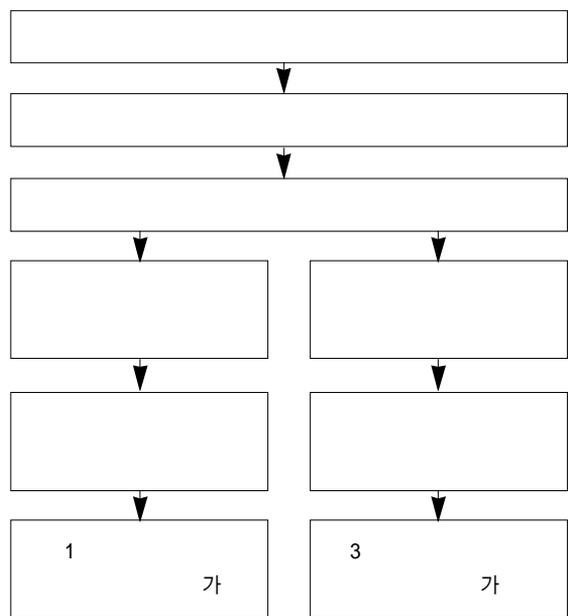
< 3> [cd]

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

< 4> ()

	「 」		
	「 」		
	「 」		
	「 」		가

4 ,
[] 가
가
가
[] 가
,가
가
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 ²)	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

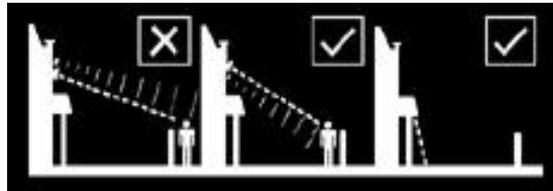
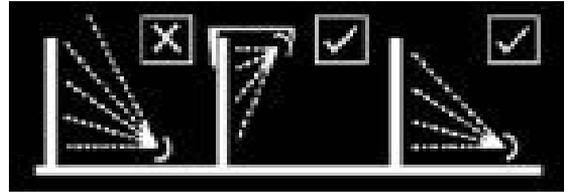
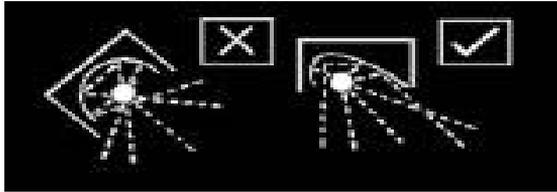
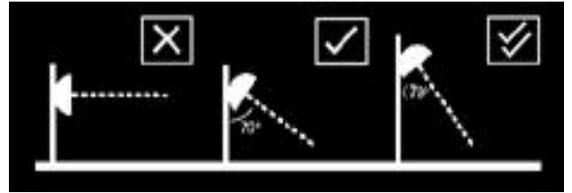
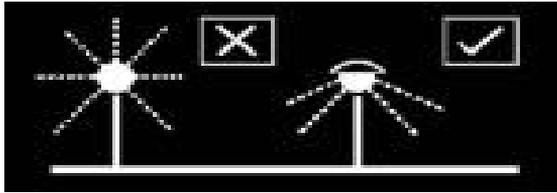
가



[7]



[8]



[9] 가

, 70 가

가 ,

(overlighting)

detectors

Passive infrared

1988

(International DarkSky Association)

가

“ 45 가

1994

” “ 50~

가

90%

”

