

## Photometric test report

### Family Spot 21 Standard



**Order number: 51SE13MA2CD2C**  
**EAN: 4069025447036**

**LP number**  
**59938\_12**

<b>Version</b>	housing, white, reflector, lens PMMA, wide distribution
<b>Lamps</b>	LED 4000 K   CRI ≥ 90
<b>Controlgear</b>	ECG Multilumen
<b>Setting</b>	factory setting: DIP-Step=6
<b>Rated values</b>	Net luminous flux = 2300 lm Power consumption = 14.8 W Luminous efficacy = 155.4 lm/W

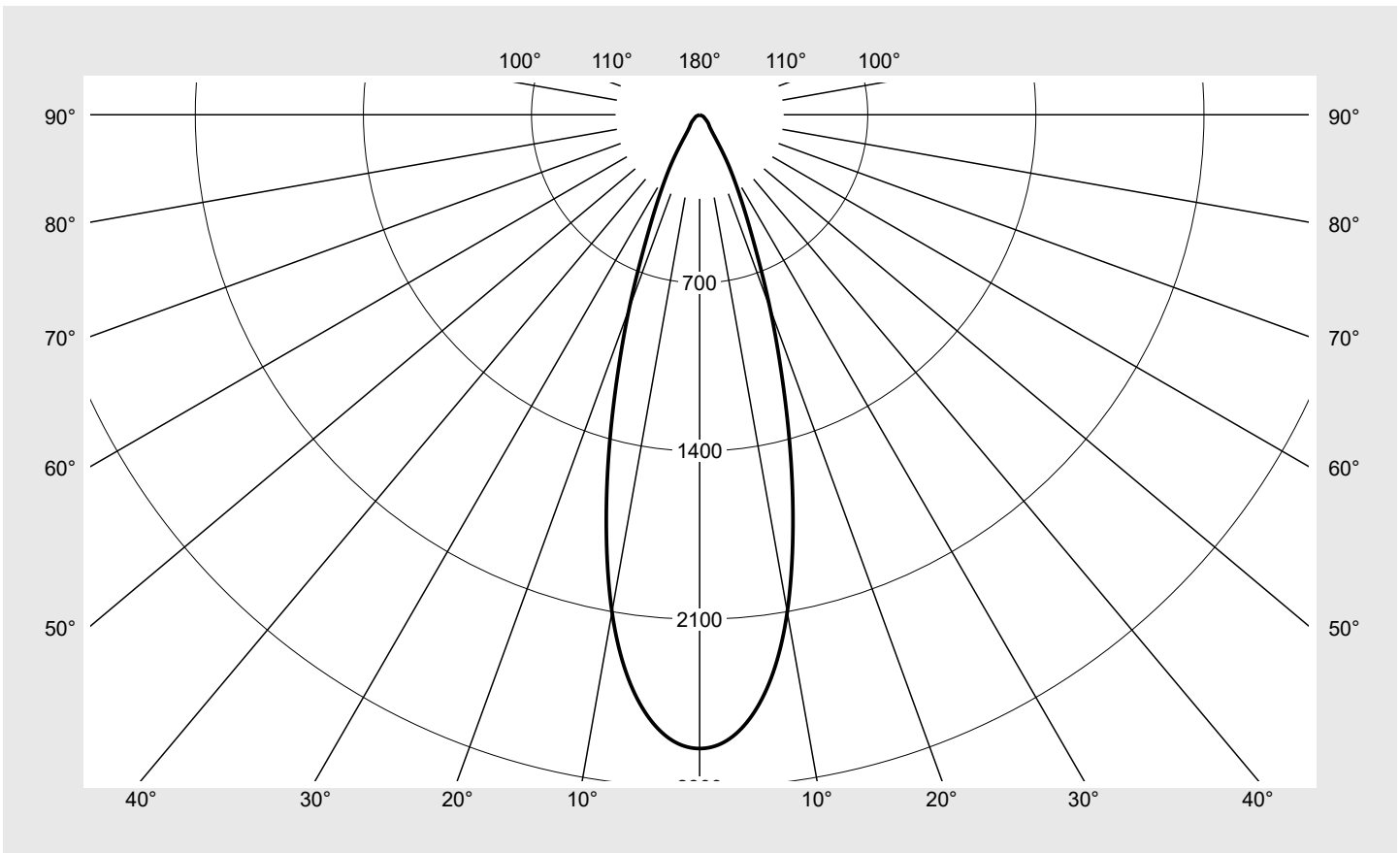
**serial**  
**documentation**  
**11.05.2026**

**sITeco**

**Luminous intensity in cd/klm**

**C180-0**

**Imax: 2638 cd/klm**



#### Classifications

DIN 5040 A 8 0  
CIE N1=92 N2=98 N3=100  
N4=100 N5=100

#### Luminaire light output ratios

$\eta_{LB}$  100.0%  
 $\phi_u$  100.0%  
 $\phi_o$  0.0%

#### Measurement conditions

DIN EN 13032 and DIN 5032

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<b>Table of values for luminous intensities</b>	<b>Maximum luminous intensity</b>	<b>sITeco</b>
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C-planes	0°	Phi-zone	Total Phi-zone
$\gamma$	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0,0°	2638.3	3.9	3.9
2,5°	2607.2	31.2	35.1
5,0°	2509.4	60.0	95.1
7,5°	2342.7	83.8	178.9
10,0°	2101.4	100.0	278.9
12,5°	1793.5	106.4	385.4
15,0°	1462.2	103.7	489.1
17,5°	1137.7	93.8	582.9
20,0°	857.0	80.4	663.2
22,5°	616.7	64.7	727.9
25,0°	449.1	52.0	780.0
27,5°	328.3	41.6	821.5
30,0°	236.7	32.4	854.0
32,5°	154.3	22.7	876.7
35,0°	101.7	16.0	892.7
37,5°	76.7	12.8	905.5
40,0°	64.2	11.3	916.8
42,5°	57.3	10.6	927.4
45,0°	51.1	9.9	937.3
47,5°	44.6	9.0	946.3
50,0°	37.9	8.0	954.3
52,5°	31.6	6.9	961.2
55,0°	26.8	6.0	967.2
57,5°	24.1	5.6	972.7
60,0°	21.5	5.1	977.8
62,5°	18.8	4.6	982.4
65,0°	15.7	3.9	986.3
67,5°	12.6	3.2	989.5
70,0°	10.1	2.6	992.1
72,5°	8.3	2.2	994.3
75,0°	6.8	1.8	996.1
77,5°	5.4	1.5	997.5
80,0°	4.1	1.1	998.7
82,5°	2.8	0.8	999.4
85,0°	1.6	0.4	999.9
87,5°	0.5	0.1	1000.0
90,0°	0.0	0.0	1000.0

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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (C90)					
x	y										
2H	2H	20.3	21.4	20.7	21.7	22.0	20.3	21.4	20.7	21.7	22.0
	3H	20.9	21.9	21.3	22.2	22.6	20.9	21.9	21.3	22.2	22.6
	4H	21.2	22.0	21.6	22.4	22.8	21.2	22.0	21.6	22.4	22.8
	6H	21.4	22.1	21.8	22.5	22.9	21.4	22.1	21.8	22.5	22.9
	8H	21.5	22.1	22.0	22.5	22.9	21.5	22.1	22.0	22.5	22.9
	12H	21.5	22.1	22.0	22.5	22.9	21.5	22.1	22.0	22.5	22.9
4H	2H	20.6	21.4	21.0	21.8	22.2	20.6	21.4	21.0	21.8	22.2
	3H	21.3	22.0	21.8	22.4	22.9	21.3	22.0	21.8	22.4	22.9
	4H	21.6	22.3	22.1	22.7	23.1	21.6	22.3	22.1	22.7	23.1
	6H	21.9	22.4	22.4	22.9	23.3	21.9	22.4	22.4	22.9	23.3
	8H	22.0	22.5	22.5	22.9	23.4	22.0	22.5	22.5	22.9	23.4
	12H	22.1	22.4	22.6	22.9	23.4	22.1	22.4	22.6	22.9	23.4
8H	4H	21.7	22.2	22.2	22.6	23.1	21.7	22.2	22.2	22.6	23.1
	6H	22.1	22.4	22.6	22.9	23.4	22.1	22.4	22.6	22.9	23.4
	8H	22.2	22.5	22.7	23.0	23.5	22.2	22.5	22.7	23.0	23.5
	12H	22.3	22.5	22.8	23.0	23.6	22.3	22.5	22.8	23.0	23.6
12H	4H	21.7	22.1	22.2	22.6	23.1	21.7	22.1	22.2	22.6	23.1
	6H	22.1	22.4	22.6	22.9	23.4	22.1	22.4	22.6	22.9	23.4
	8H	22.2	22.5	22.8	23.0	23.5	22.2	22.5	22.8	23.0	23.5

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm: D = 62</b>
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<b>C-planes</b>	<b>0°</b>
$\gamma$	<b>Luminance in cd/m<sup>2</sup></b>
45,0°	55044.5
50,0°	44967.2
55,0°	35595.7
60,0°	32728.0
65,0°	28227.4
70,0°	22581.6
75,0°	20089.1
80,0°	18053.2
85,0°	14038.0

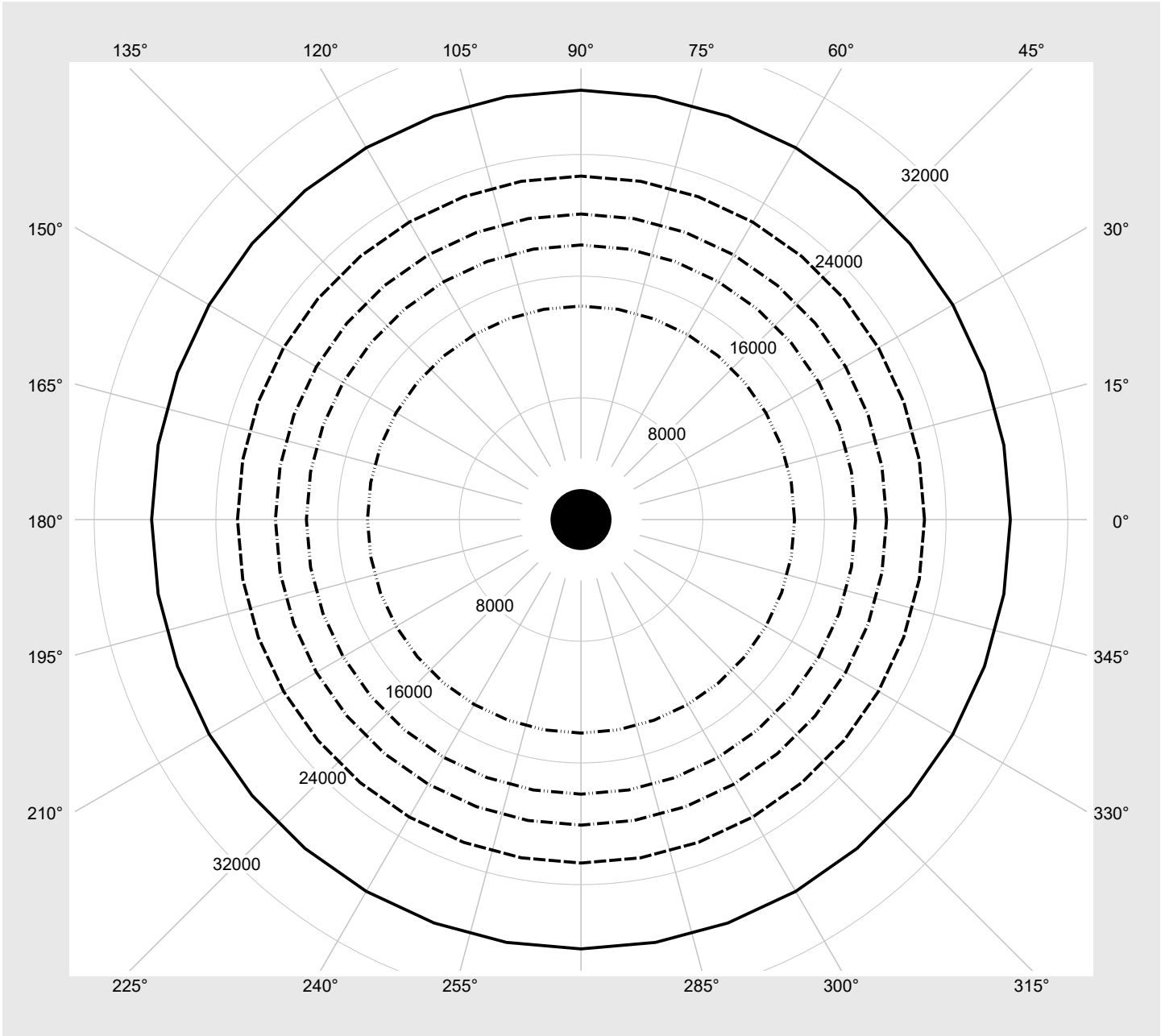
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**Luminance values in cd/m<sup>2</sup>**

$\gamma$  65°   
   $\gamma$  70°   
   $\gamma$  75°   
   $\gamma$  80°   
   $\gamma$  85°

**siteco**



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<b>Multilumen Table</b>	environmental temperature: 25°C	<b>sITeco</b>
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
0	OFF	OFF	OFF	3790	26.5
1	ON	OFF	OFF	3550	24.4
2	OFF	ON	OFF	3310	22.4
3	ON	ON	OFF	3070	20.4
4	OFF	OFF	ON	2820	18.5
5	ON	OFF	ON	2560	16.5
6	OFF	ON	ON	2300	14.8
7	ON	ON	ON	2030	12.8