
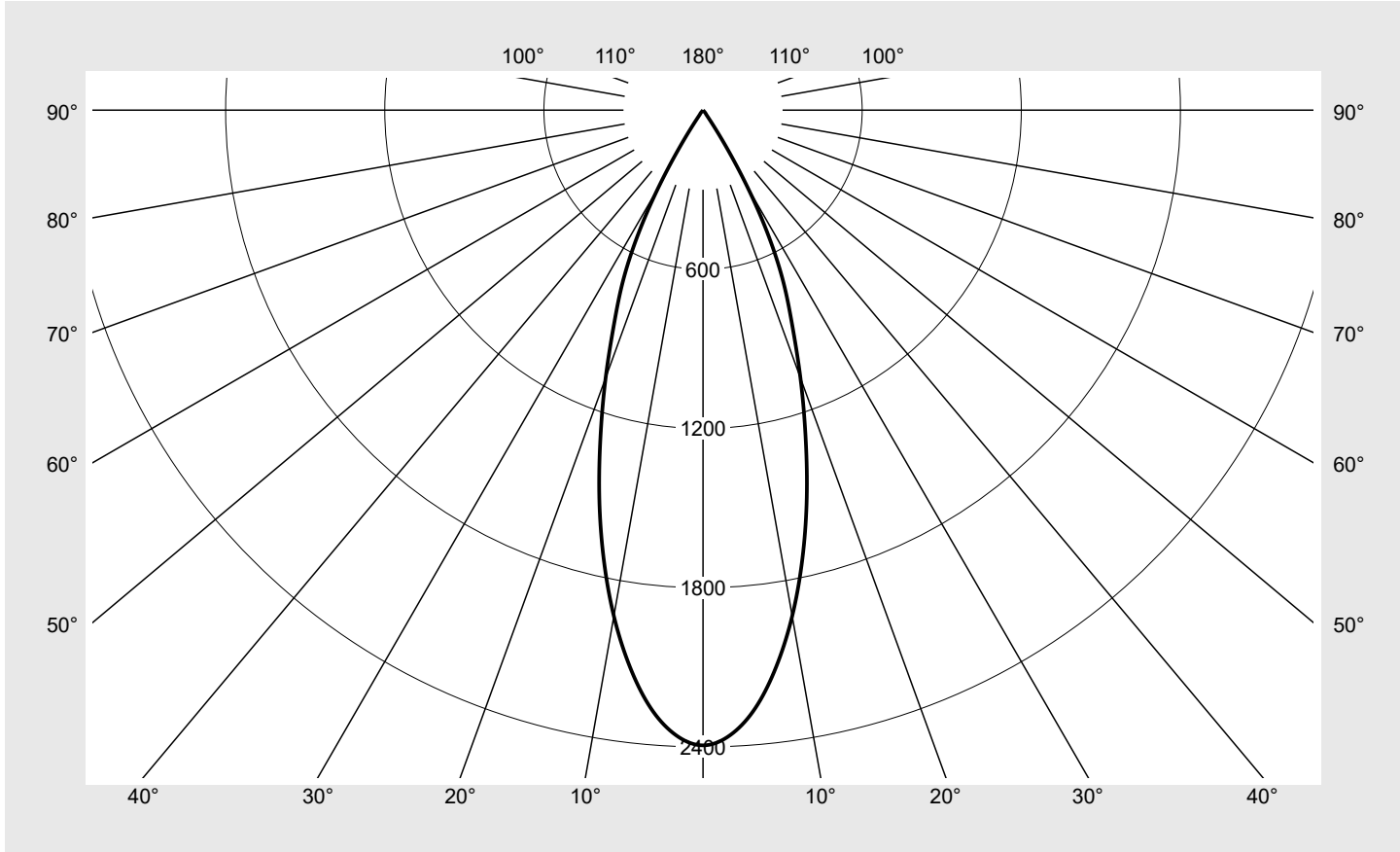


Photometric test report

Family Spot 21 Standard	Order number: 51SE33MB11C2C EAN: 4069025447555	LP number 59933_28										
	<table border="0"> <tr> <td>Version</td> <td>housing, black, reflector, cover glass, transparent, medium distribution</td> </tr> <tr> <td>Lamps</td> <td>LED 3500 K CRI ≥ 90</td> </tr> <tr> <td>Controlgear</td> <td>ECG Multilumen</td> </tr> <tr> <td>Setting</td> <td>factory setting: DIP-Step=4</td> </tr> <tr> <td>Rated values</td> <td>Net luminous flux = 2870 lm Power consumption = 18.5 W Luminous efficacy = 155.1 lm/W</td> </tr> </table>	Version	housing, black, reflector, cover glass, transparent, medium distribution	Lamps	LED 3500 K CRI ≥ 90	Controlgear	ECG Multilumen	Setting	factory setting: DIP-Step=4	Rated values	Net luminous flux = 2870 lm Power consumption = 18.5 W Luminous efficacy = 155.1 lm/W	serial documentation 11.05.2026 
Version	housing, black, reflector, cover glass, transparent, medium distribution											
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Luminous intensity in cd/klm C180-0 **Imax: 2394 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=99 N2=100 N3=100 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

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Table of values for luminous intensities	Maximum luminous intensity	sITeco
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C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0,0°	2394.0	3.6	3.6
2,5°	2357.4	28.2	31.8
5,0°	2262.2	54.0	85.8
7,5°	2115.3	75.7	161.5
10,0°	1936.2	92.2	253.7
12,5°	1731.2	102.7	356.4
15,0°	1511.2	107.2	463.6
17,5°	1284.7	105.9	569.5
20,0°	1073.6	100.7	670.2
22,5°	880.1	92.3	762.5
25,0°	718.6	83.3	845.8
27,5°	537.0	68.0	913.7
30,0°	335.8	46.0	959.8
32,5°	147.9	21.8	981.5
35,0°	37.2	5.9	987.4
37,5°	18.1	3.0	990.4
40,0°	12.3	2.2	992.6
42,5°	9.0	1.7	994.3
45,0°	6.5	1.3	995.5
47,5°	4.7	1.0	996.5
50,0°	3.6	0.8	997.2
52,5°	2.8	0.6	997.8
55,0°	2.2	0.5	998.3
57,5°	1.8	0.4	998.8
60,0°	1.4	0.3	999.1
62,5°	1.1	0.3	999.4
65,0°	0.9	0.2	999.6
67,5°	0.7	0.2	999.8
70,0°	0.5	0.1	999.9
72,5°	0.3	0.1	1000.0
75,0°	0.1	0.0	1000.0
77,5°	0.0	0.0	1000.0
80,0°	0.0	0.0	1000.0
82,5°	0.0	0.0	1000.0
85,0°	0.0	0.0	1000.0
87,5°	0.0	0.0	1000.0
90,0°	0.0	0.0	1000.0

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UGR-Table		Standard room									
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	12.9	13.9	13.3	14.2	14.5	12.9	13.9	13.3	14.2	14.5
	3H	12.8	13.6	13.2	14.0	14.3	12.8	13.6	13.2	14.0	14.3
	4H	12.7	13.5	13.1	13.8	14.2	12.7	13.5	13.1	13.8	14.2
	6H	12.6	13.3	13.0	13.7	14.1	12.6	13.3	13.0	13.7	14.1
	8H	12.7	13.2	13.1	13.6	14.0	12.7	13.2	13.1	13.6	14.0
	12H	12.6	13.1	13.1	13.5	13.9	12.6	13.1	13.1	13.5	13.9
4H	2H	12.7	13.5	13.1	13.8	14.2	12.7	13.5	13.1	13.8	14.2
	3H	12.5	13.1	12.9	13.5	13.9	12.5	13.1	12.9	13.5	13.9
	4H	12.4	12.9	12.8	13.3	13.8	12.4	12.9	12.8	13.3	13.8
	6H	12.2	12.7	12.7	13.2	13.6	12.2	12.7	12.7	13.2	13.6
	8H	12.2	12.6	12.7	13.1	13.6	12.2	12.6	12.7	13.1	13.6
	12H	12.2	12.5	12.7	13.0	13.5	12.2	12.5	12.7	13.0	13.5
8H	4H	12.2	12.6	12.7	13.1	13.6	12.2	12.6	12.7	13.1	13.6
	6H	12.1	12.4	12.6	12.9	13.4	12.1	12.4	12.6	12.9	13.4
	8H	12.0	12.3	12.5	12.8	13.3	12.0	12.3	12.5	12.8	13.3
	12H	11.9	12.2	12.5	12.7	13.2	11.9	12.2	12.5	12.7	13.2
12H	4H	12.2	12.5	12.7	13.0	13.5	12.2	12.5	12.7	13.0	13.5
	6H	12.0	12.3	12.6	12.8	13.3	12.0	12.3	12.6	12.8	13.3
	8H	11.9	12.2	12.5	12.7	13.2	11.9	12.2	12.5	12.7	13.2

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
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C-planes	0°
γ	Luminance in cd/m ²
45,0°	5012.6
50,0°	3053.8
55,0°	2091.1
60,0°	1527.1
65,0°	1161.2
70,0°	797.7
75,0°	210.0
80,0°	0.0
85,0°	0.0

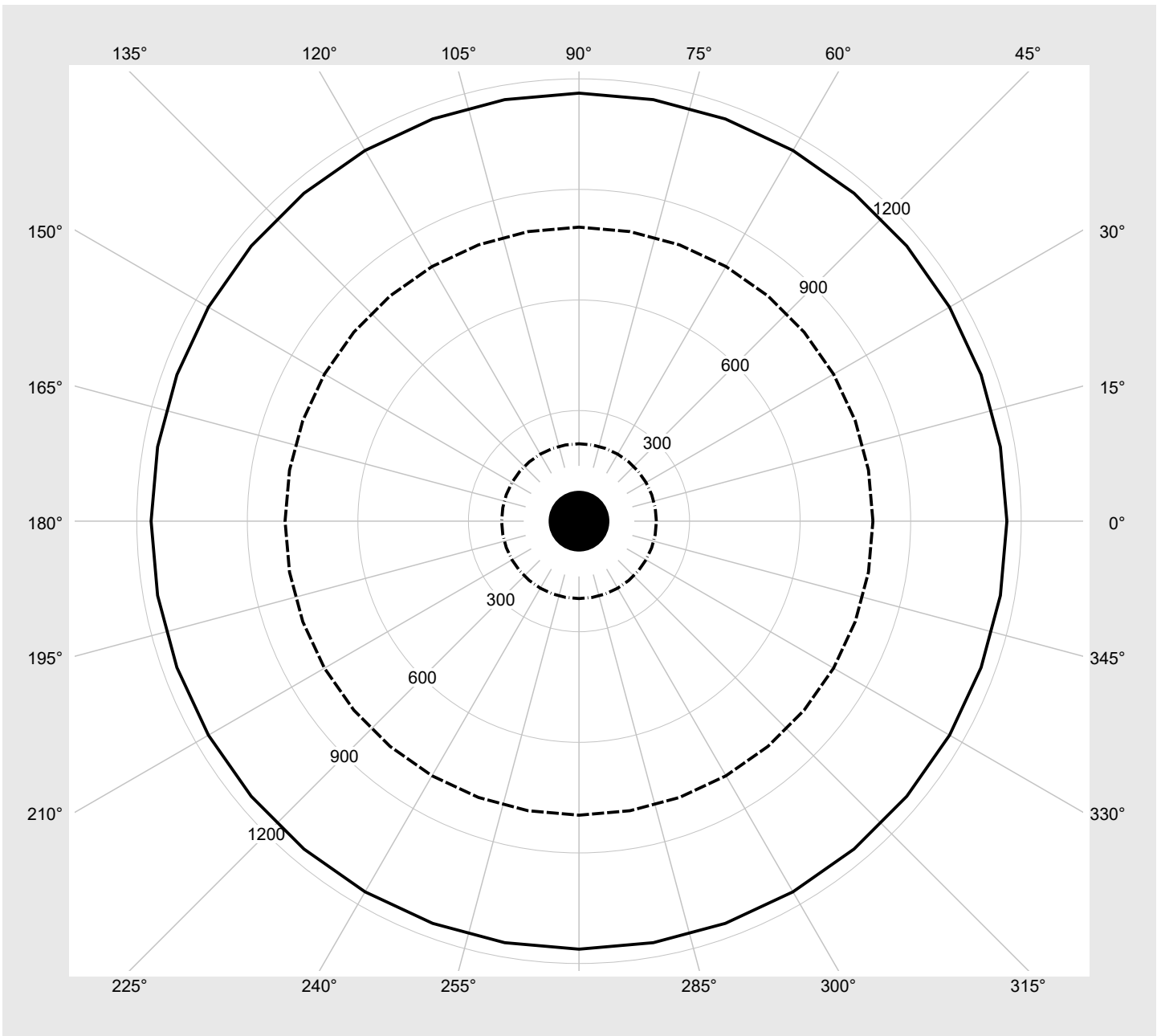
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Family
Spot 21 Standard

Order number: 51SE33MB11C2C
EAN: 4069025447555

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59933_28

Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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Multilumen Table	environmental temperature: 25°C	sITeco
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
0	OFF	OFF	OFF	3870	26.5
1	ON	OFF	OFF	3630	24.5
2	OFF	ON	OFF	3380	22.5
3	ON	ON	OFF	3130	20.5
4	OFF	OFF	ON	2870	18.5
5	ON	OFF	ON	2610	16.6
6	OFF	ON	ON	2340	14.8
7	ON	ON	ON	2060	12.9