

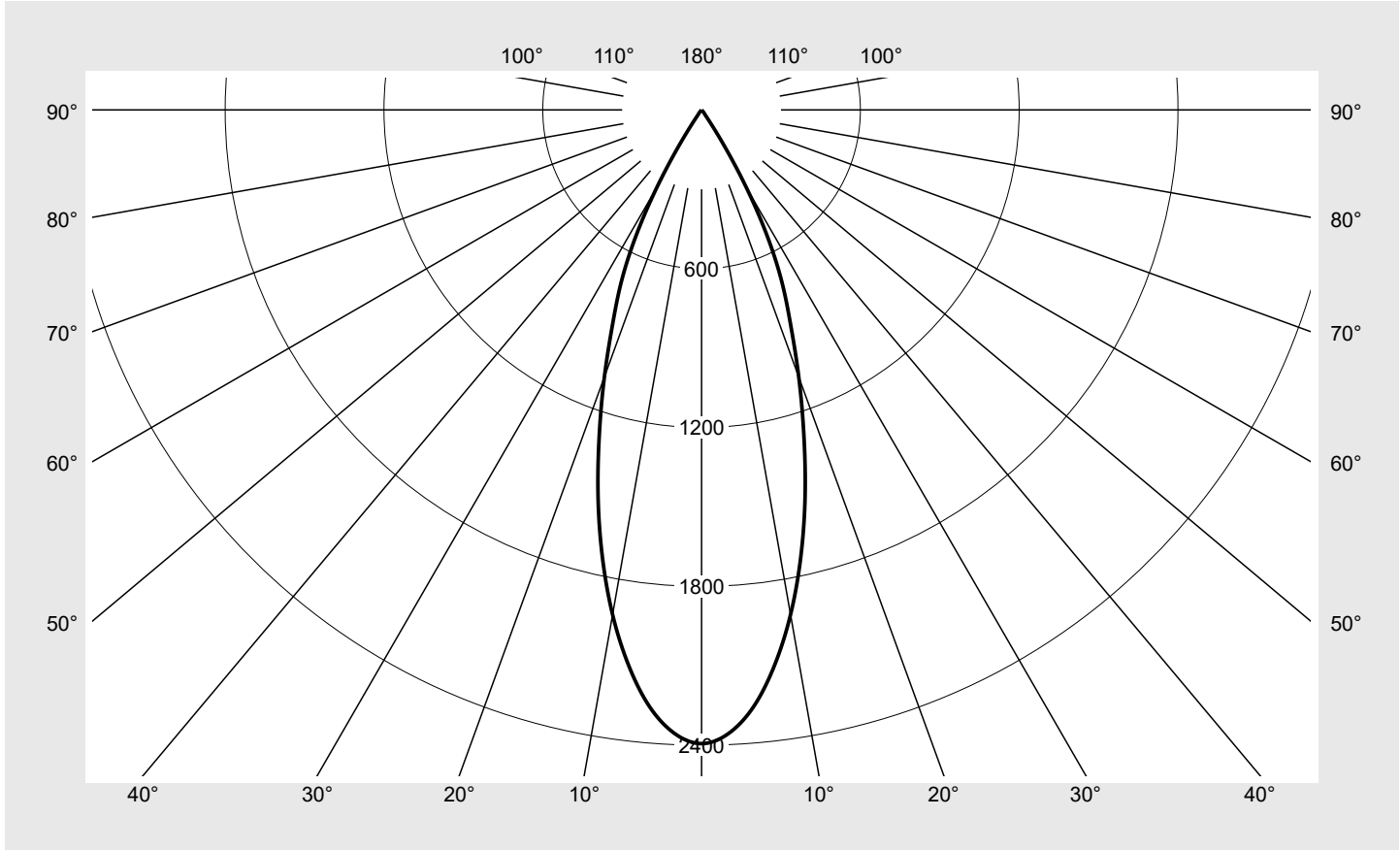


Photometric test report

Family Spot 21 Standard	Order number: 51SE33MB11A2C EAN: 4069025447531	LP number 59933_26										
	<table border="0"> <tr> <td>Version</td> <td>housing, black, reflector, cover glass, transparent, medium distribution</td> </tr> <tr> <td>Lamps</td> <td>LED 2700 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 = 2650 lm Power consumption = 18.5 W Luminous efficacy = 143.2 lm/W </td> </tr> </table>	Version	housing, black, reflector, cover glass, transparent, medium distribution	Lamps	LED 2700 K CRI ≥ 90	Controlgear	ECG Multilumen	Setting	factory setting: DIP-Step=4	Rated values	Net luminous flux = 2650 lm Power consumption = 18.5 W Luminous efficacy = 143.2 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
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C-planes γ	0° Luminous intensity in cd/klm	Phi-zone Luminous flux in lm/klm	Total Phi-zone
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	siteco								
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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	12.6	13.6	13.0	13.9	14.3	12.6	13.6	13.0	13.9	14.3
	3H	12.5	13.3	12.9	13.7	14.0	12.5	13.3	12.9	13.7	14.0
	4H	12.4	13.2	12.8	13.5	13.9	12.4	13.2	12.8	13.5	13.9
	6H	12.3	13.0	12.7	13.4	13.8	12.3	13.0	12.7	13.4	13.8
	8H	12.4	12.9	12.9	13.3	13.7	12.4	12.9	12.9	13.3	13.7
	12H	12.4	12.8	12.8	13.2	13.6	12.4	12.8	12.8	13.2	13.6
4H	2H	12.4	13.2	12.8	13.5	13.9	12.4	13.2	12.8	13.5	13.9
	3H	12.2	12.8	12.6	13.2	13.7	12.2	12.8	12.6	13.2	13.7
	4H	12.1	12.7	12.5	13.1	13.5	12.1	12.7	12.5	13.1	13.5
	6H	11.9	12.4	12.4	12.9	13.4	11.9	12.4	12.4	12.9	13.4
	8H	11.9	12.3	12.4	12.8	13.3	11.9	12.3	12.4	12.8	13.3
	12H	11.9	12.2	12.4	12.7	13.2	11.9	12.2	12.4	12.7	13.2
8H	4H	11.9	12.3	12.4	12.8	13.3	11.9	12.3	12.4	12.8	13.3
	6H	11.8	12.1	12.3	12.6	13.1	11.8	12.1	12.3	12.6	13.1
	8H	11.7	12.0	12.2	12.5	13.0	11.7	12.0	12.2	12.5	13.0
	12H	11.7	11.9	12.2	12.4	13.0	11.7	11.9	12.2	12.4	13.0
12H	4H	11.9	12.2	12.4	12.7	13.2	11.9	12.2	12.4	12.7	13.2
	6H	11.8	12.0	12.3	12.5	13.0	11.8	12.0	12.3	12.5	13.0
	8H	11.7	11.9	12.2	12.4	13.0	11.7	11.9	12.2	12.4	13.0

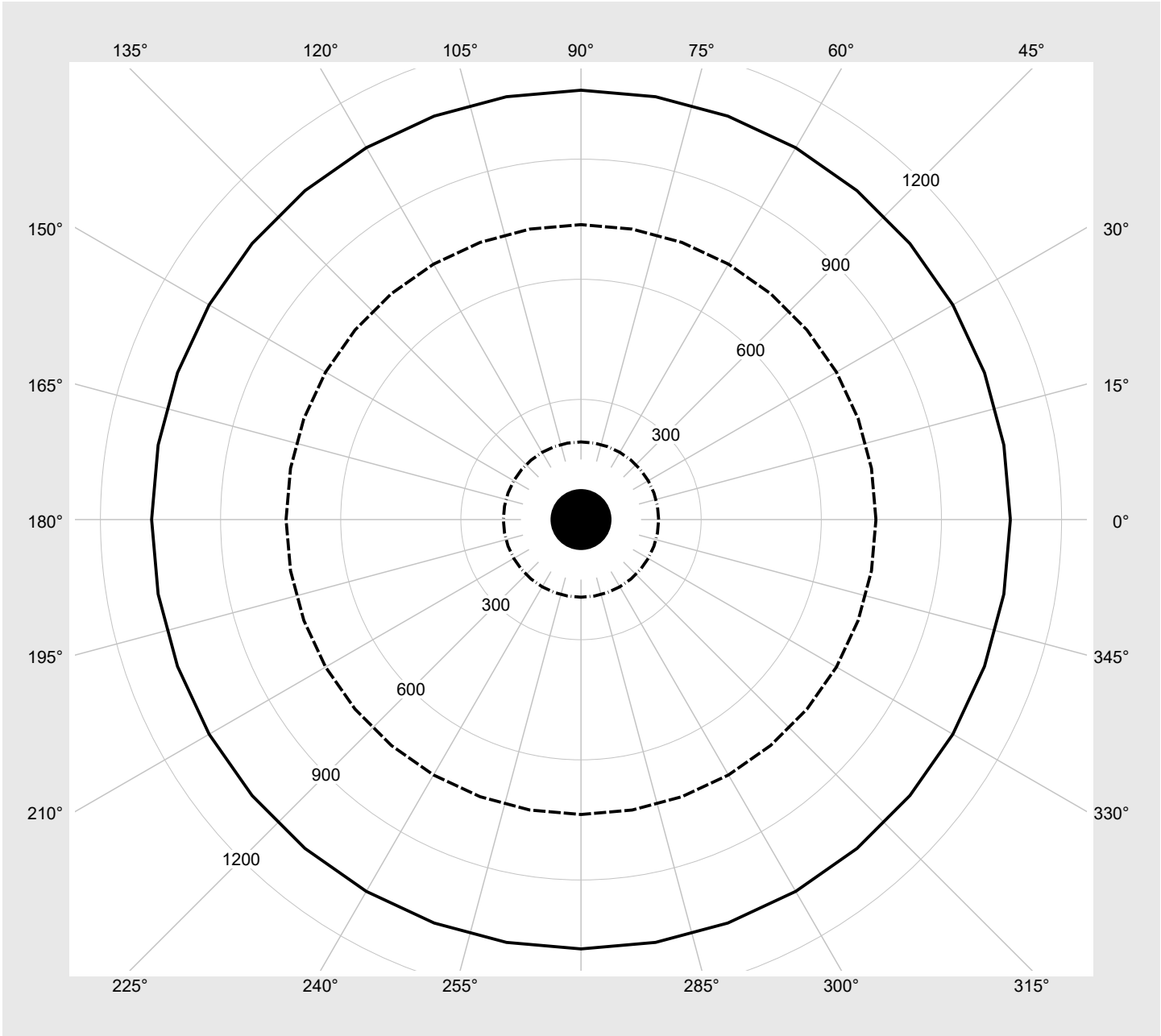
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
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C-planes	0°
γ	Luminance in cd/m ²
45,0°	4628.3
50,0°	2819.7
55,0°	1930.8
60,0°	1410.1
65,0°	1072.2
70,0°	736.5
75,0°	193.9
80,0°	0.0
85,0°	0.0

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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	3570	26.5
1	ON	OFF	OFF	3350	24.5
2	OFF	ON	OFF	3120	22.5
3	ON	ON	OFF	2890	20.5
4	OFF	OFF	ON	2650	18.5
5	ON	OFF	ON	2410	16.6
6	OFF	ON	ON	2160	14.8
7	ON	ON	ON	1900	12.9