

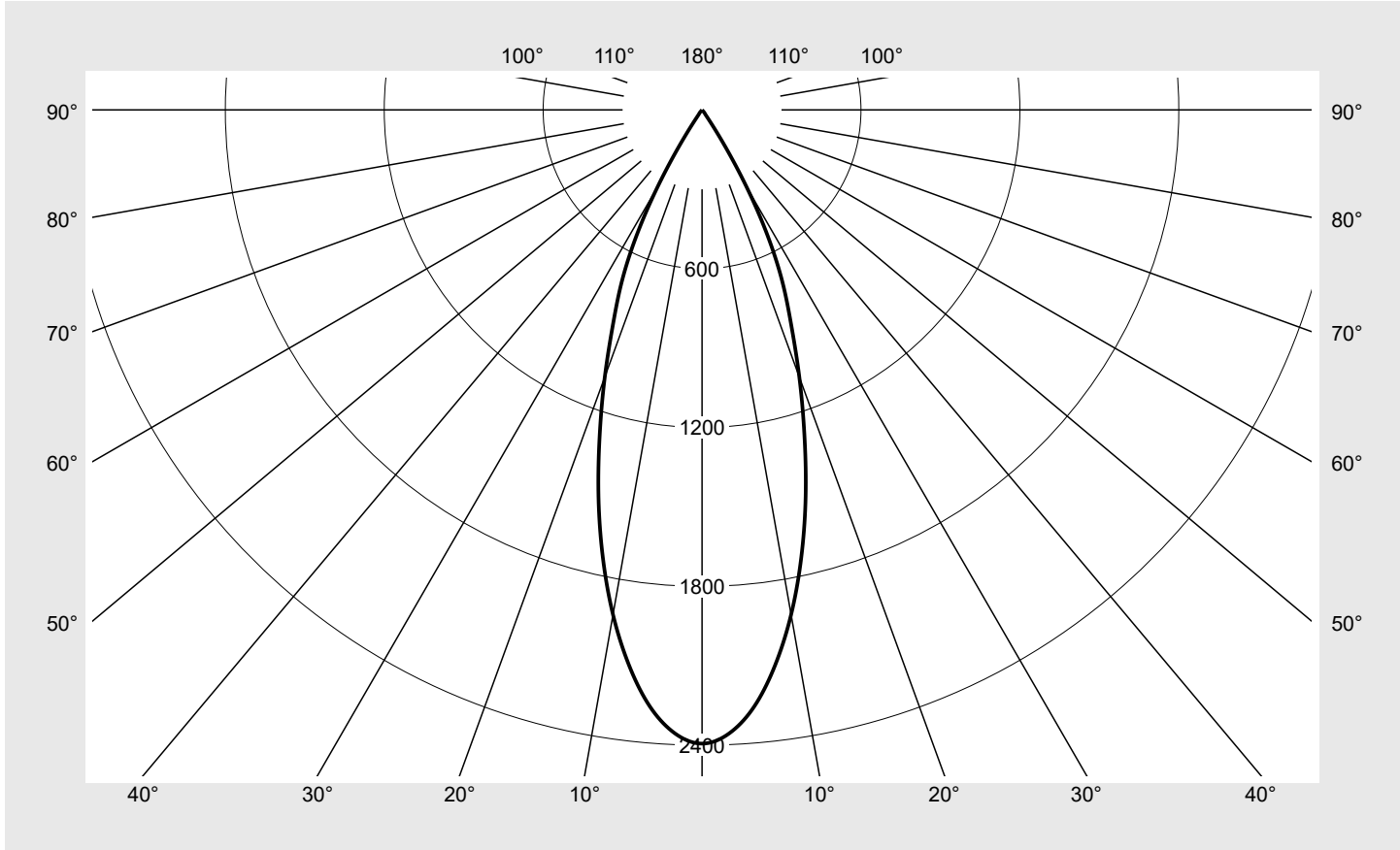


Photometric test report

Family Spot 21 Standard	Order number: 51SE33MB11D2C EAN: 4069025447562	LP number 59933_29										
	<table border="0"> <tr> <td>Version</td> <td>housing, black, reflector, cover glass, transparent, medium distribution</td> </tr> <tr> <td>Lamps</td> <td>LED 4000 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 = 2890 lm Power consumption = 18.5 W Luminous efficacy = 156.2 lm/W</td> </tr> </table>	Version	housing, black, reflector, cover glass, transparent, medium distribution	Lamps	LED 4000 K CRI ≥ 90	Controlgear	ECG Multilumen	Setting	factory setting: DIP-Step=4	Rated values	Net luminous flux = 2890 lm Power consumption = 18.5 W Luminous efficacy = 156.2 lm/W	serial documentation 11.05.2026 
Version	housing, black, reflector, cover glass, transparent, medium distribution											
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Rated values	Net luminous flux = 2890 lm Power consumption = 18.5 W Luminous efficacy = 156.2 lm/W											

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	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	14.3	14.6	12.9	13.9	13.3	14.3	14.6
	3H	12.8	13.7	13.2	14.0	14.3	12.8	13.7	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	13.2	13.6	14.0	12.7	13.2	13.2	13.6	14.0
	12H	12.7	13.1	13.1	13.5	13.9	12.7	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	14.0	12.5	13.1	12.9	13.5	14.0
	4H	12.4	13.0	12.8	13.4	13.8	12.4	13.0	12.8	13.4	13.8
	6H	12.2	12.7	12.7	13.2	13.7	12.2	12.7	12.7	13.2	13.7
	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	12.0	12.2	12.5	12.7	13.3	12.0	12.2	12.5	12.7	13.3
12H	4H	12.2	12.5	12.7	13.0	13.5	12.2	12.5	12.7	13.0	13.5
	6H	12.1	12.3	12.6	12.8	13.3	12.1	12.3	12.6	12.8	13.3
	8H	12.0	12.2	12.5	12.7	13.3	12.0	12.2	12.5	12.7	13.3

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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°	5047.5
50,0°	3075.1
55,0°	2105.7
60,0°	1537.8
65,0°	1169.3
70,0°	803.2
75,0°	211.4
80,0°	0.0
85,0°	0.0

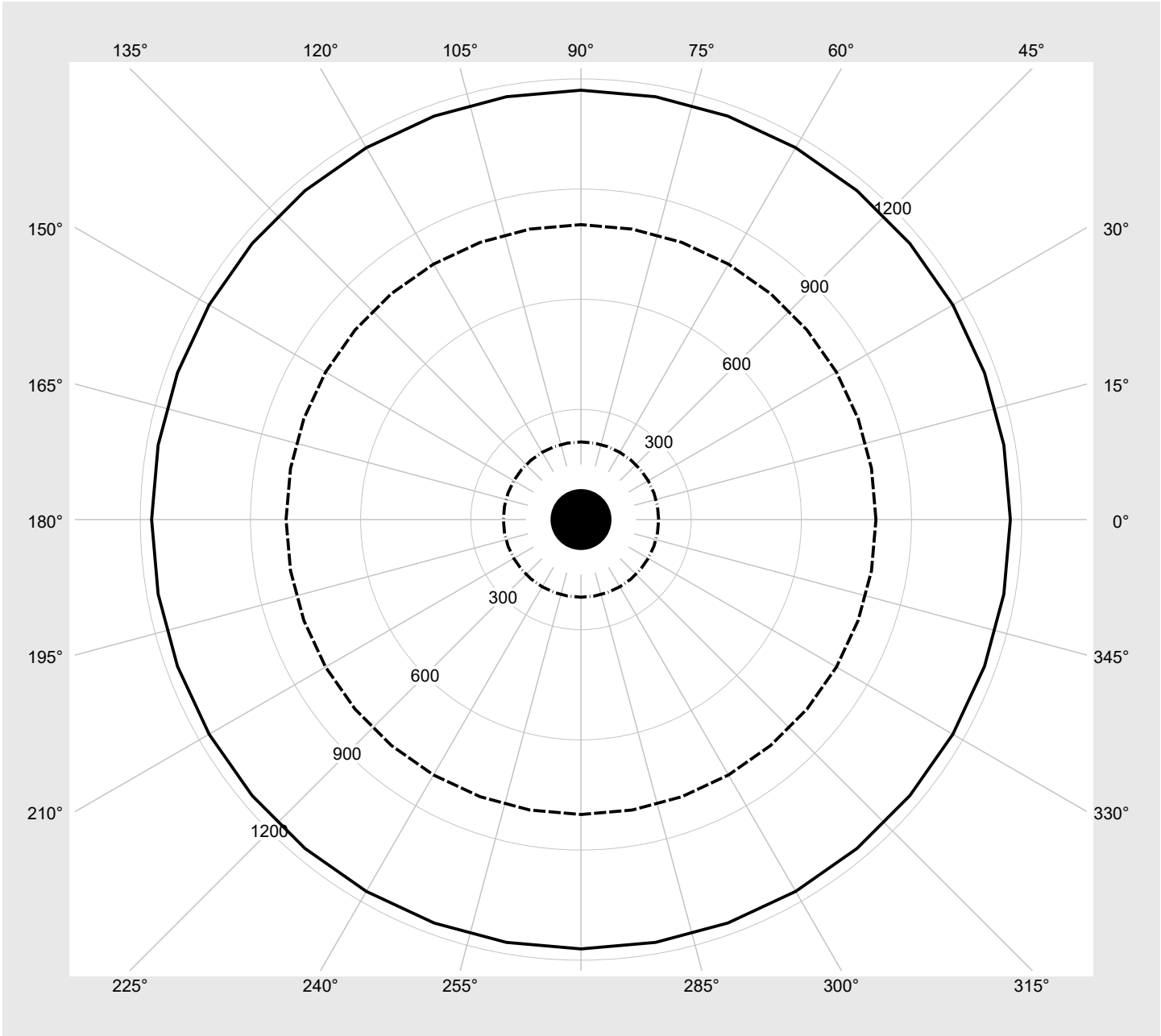
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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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	3890	26.5
1	ON	OFF	OFF	3650	24.5
2	OFF	ON	OFF	3400	22.5
3	ON	ON	OFF	3150	20.5
4	OFF	OFF	ON	2890	18.5
5	ON	OFF	ON	2620	16.6
6	OFF	ON	ON	2350	14.8
7	ON	ON	ON	2070	12.9