
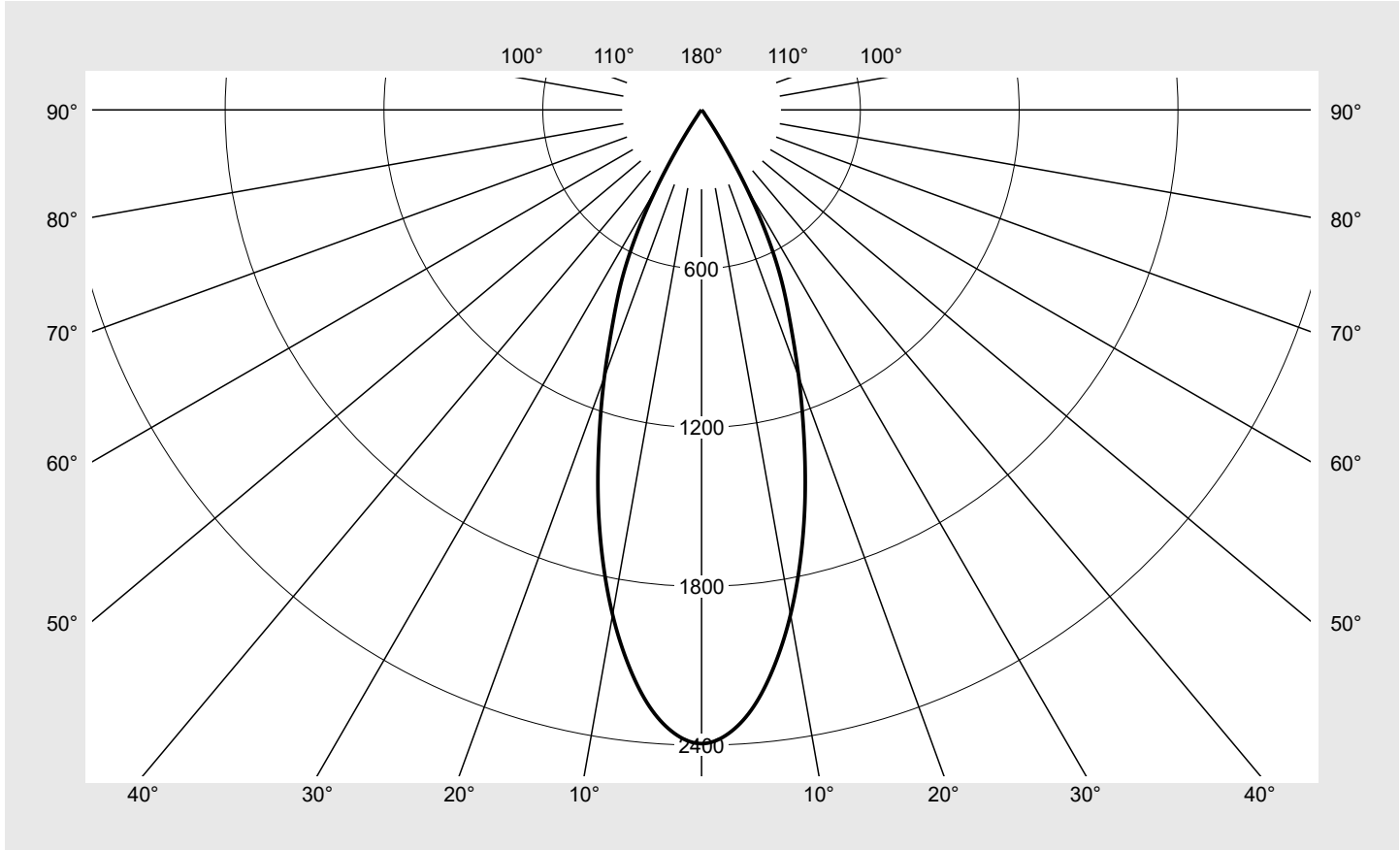


Photometric test report

Family Spot 21 Standard	Order number: 51SE33MB11B2C EAN: 4069025447548	LP number 59933_27
	Version housing, black, reflector, cover glass, transparent, medium distribution Lamps LED 3000 K CRI ≥ 90 Controlgear ECG Multilumen Setting factory setting: DIP-Step=4	serial documentation 11.05.2026
	Rated values Net luminous flux = 2790 lm Power consumption = 18.5 W Luminous efficacy = 150.8 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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sITeco

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	12.8	13.8	13.2	14.1	14.5	12.8	13.8	13.2	14.1	14.5
	3H	12.7	13.5	13.1	13.9	14.2	12.7	13.5	13.1	13.9	14.2
	4H	12.6	13.4	13.0	13.7	14.1	12.6	13.4	13.0	13.7	14.1
	6H	12.5	13.2	12.9	13.6	14.0	12.5	13.2	12.9	13.6	14.0
	8H	12.6	13.1	13.0	13.5	13.9	12.6	13.1	13.0	13.5	13.9
	12H	12.5	13.0	13.0	13.4	13.8	12.5	13.0	13.0	13.4	13.8
4H	2H	12.6	13.4	13.0	13.7	14.1	12.6	13.4	13.0	13.7	14.1
	3H	12.4	13.0	12.8	13.4	13.8	12.4	13.0	12.8	13.4	13.8
	4H	12.3	12.8	12.7	13.2	13.7	12.3	12.8	12.7	13.2	13.7
	6H	12.1	12.6	12.6	13.1	13.5	12.1	12.6	12.6	13.1	13.5
	8H	12.1	12.5	12.6	13.0	13.5	12.1	12.5	12.6	13.0	13.5
	12H	12.1	12.4	12.6	12.9	13.4	12.1	12.4	12.6	12.9	13.4
8H	4H	12.1	12.5	12.6	13.0	13.5	12.1	12.5	12.6	13.0	13.5
	6H	12.0	12.3	12.5	12.8	13.3	12.0	12.3	12.5	12.8	13.3
	8H	11.9	12.2	12.4	12.7	13.2	11.9	12.2	12.4	12.7	13.2
	12H	11.8	12.1	12.4	12.6	13.1	11.8	12.1	12.4	12.6	13.1
12H	4H	12.1	12.4	12.6	12.9	13.4	12.1	12.4	12.6	12.9	13.4
	6H	11.9	12.2	12.5	12.7	13.2	11.9	12.2	12.5	12.7	13.2
	8H	11.8	12.1	12.4	12.6	13.1	11.8	12.1	12.4	12.6	13.1

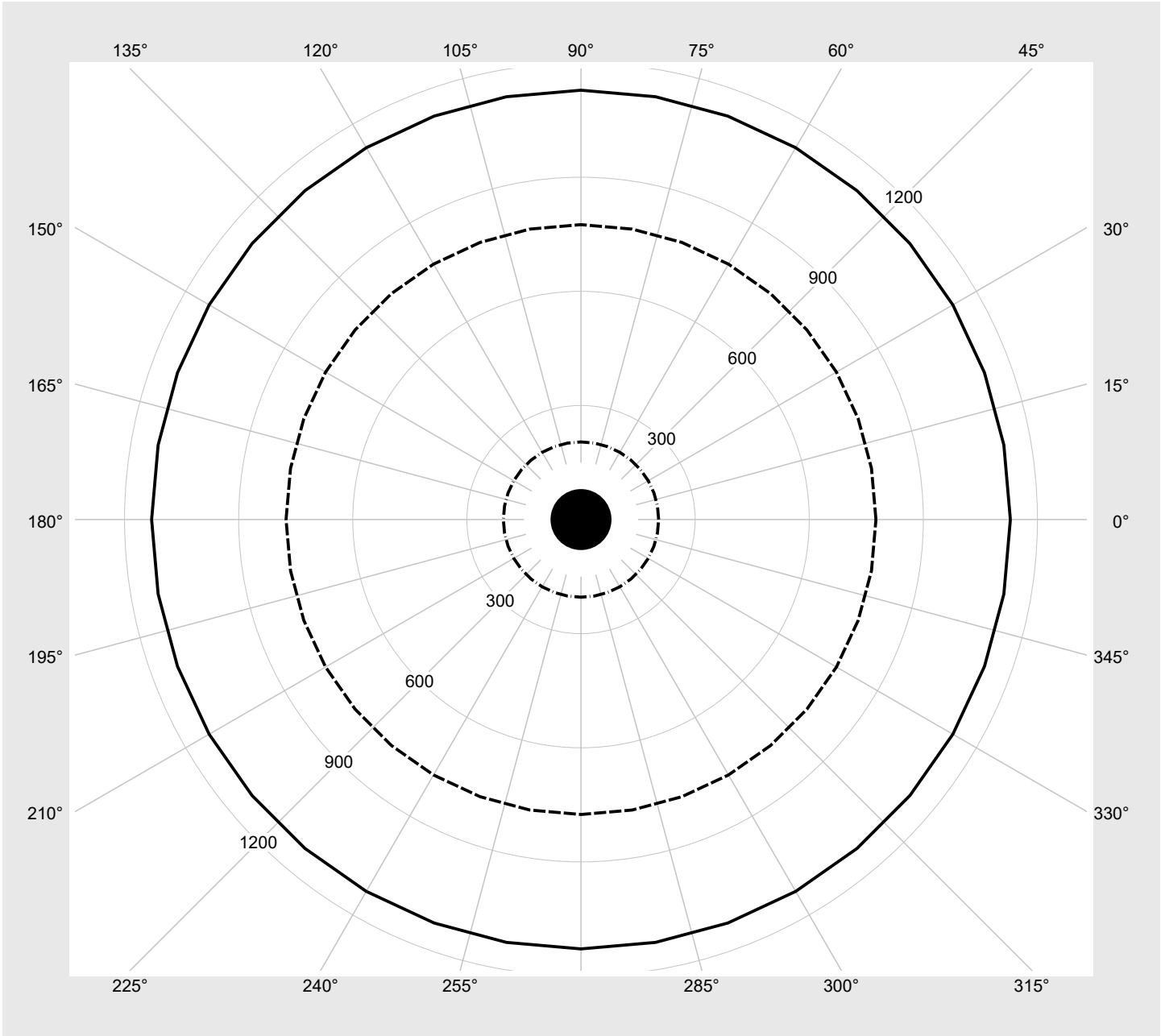
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
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C-planes		0°
γ	Luminance in cd/m ²	
45,0°	4872.8	
50,0°	2968.7	
55,0°	2032.8	
60,0°	1484.5	
65,0°	1128.8	
70,0°	775.4	
75,0°	204.1	
80,0°	0.0	
85,0°	0.0	

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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	3760	26.5
1	ON	OFF	OFF	3530	24.5
2	OFF	ON	OFF	3290	22.5
3	ON	ON	OFF	3040	20.5
4	OFF	OFF	ON	2790	18.5
5	ON	OFF	ON	2530	16.6
6	OFF	ON	ON	2270	14.8
7	ON	ON	ON	2010	12.9