

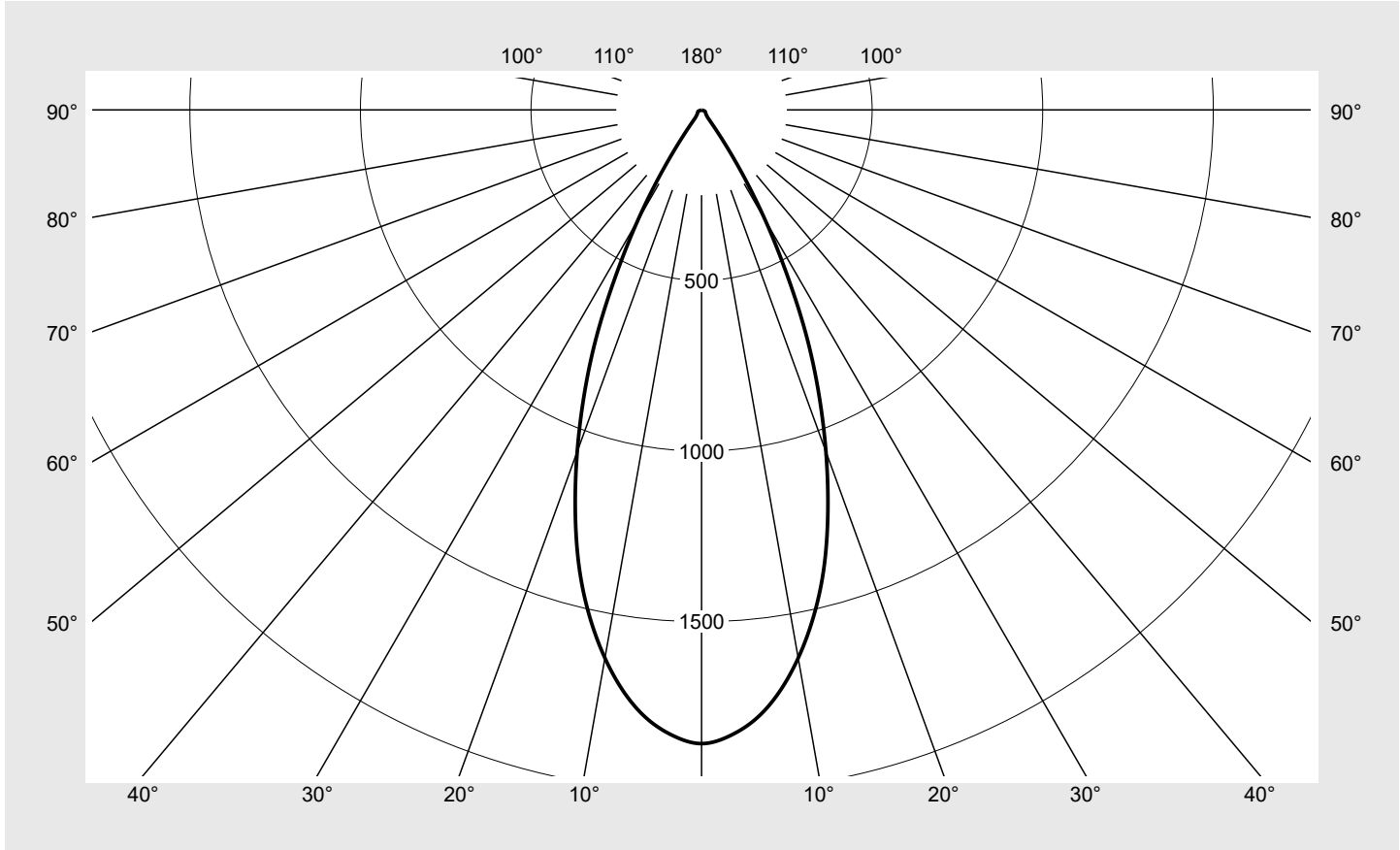


Photometric test report

Family Spot 21 Performance	Order number: 51SD14MB11C3B EAN: 4069025538635	LP number 59944_8
	Version housing, white, reflector, cover glass, transparent, wide distribution Lamps LED 3500 K CRI ≥ 90 Controlgear ECG Multilumen Setting factory setting: DIP-Step=4	serial documentation 11.05.2026
	Rated values Net luminous flux = 3160 lm Power consumption = 19.1 W Luminous efficacy = 165.4 lm/W	

Luminous intensity in cd/klm C180-0 **Imax: 1857 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=95 N2=98 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°	1857.4	2.8	2.8
2,5°	1837.5	22.0	24.7
5,0°	1794.2	42.9	67.6
7,5°	1724.8	61.7	129.3
10,0°	1631.4	77.7	207.0
12,5°	1519.0	90.1	297.1
15,0°	1387.1	98.4	395.5
17,5°	1231.3	101.5	497.0
20,0°	1065.8	99.9	597.0
22,5°	896.3	94.0	691.0
25,0°	722.7	83.7	774.7
27,5°	537.6	68.0	842.8
30,0°	373.9	51.3	894.0
32,5°	224.3	33.0	927.1
35,0°	105.2	16.5	943.6
37,5°	39.3	6.6	950.2
40,0°	25.5	4.5	954.6
42,5°	21.3	3.9	958.6
45,0°	18.6	3.6	962.2
47,5°	17.0	3.4	965.6
50,0°	15.9	3.3	969.0
52,5°	15.0	3.3	972.3
55,0°	14.3	3.2	975.5
57,5°	13.6	3.2	978.6
60,0°	12.9	3.1	981.7
62,5°	12.2	3.0	984.7
65,0°	11.3	2.8	987.5
67,5°	10.4	2.6	990.1
70,0°	9.3	2.4	992.5
72,5°	8.1	2.1	994.6
75,0°	6.5	1.7	996.4
77,5°	5.0	1.3	997.7
80,0°	3.8	1.0	998.7
82,5°	2.6	0.7	999.5
85,0°	1.5	0.4	999.9
87,5°	0.5	0.1	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	17.6	18.7	18.0	19.0	19.4	17.6	18.7	18.0	19.0	19.4
	3H	18.4	19.3	18.8	19.7	20.0	18.4	19.3	18.8	19.7	20.0
	4H	18.8	19.6	19.2	20.0	20.4	18.8	19.6	19.2	20.0	20.4
	6H	19.1	19.8	19.5	20.2	20.6	19.1	19.8	19.5	20.2	20.6
	8H	19.3	19.9	19.7	20.3	20.7	19.3	19.9	19.7	20.3	20.7
	12H	19.3	19.8	19.8	20.2	20.7	19.3	19.8	19.8	20.2	20.7
4H	2H	17.8	18.7	18.2	19.0	19.4	17.8	18.7	18.2	19.0	19.4
	3H	18.8	19.5	19.2	19.9	20.3	18.8	19.5	19.2	19.9	20.3
	4H	19.3	19.9	19.8	20.3	20.8	19.3	19.9	19.8	20.3	20.8
	6H	19.7	20.2	20.1	20.6	21.1	19.7	20.2	20.1	20.6	21.1
	8H	19.8	20.3	20.3	20.7	21.2	19.8	20.3	20.3	20.7	21.2
	12H	19.9	20.3	20.4	20.7	21.2	19.9	20.3	20.4	20.7	21.2
8H	4H	19.5	19.9	20.0	20.4	20.9	19.5	19.9	20.0	20.4	20.9
	6H	19.9	20.3	20.5	20.8	21.3	19.9	20.3	20.5	20.8	21.3
	8H	20.1	20.4	20.6	20.9	21.5	20.1	20.4	20.6	20.9	21.5
	12H	20.2	20.5	20.8	21.0	21.5	20.2	20.5	20.8	21.0	21.5
12H	4H	19.5	19.9	20.0	20.3	20.8	19.5	19.9	20.0	20.3	20.8
	6H	20.0	20.3	20.5	20.8	21.3	20.0	20.3	20.5	20.8	21.3
	8H	20.2	20.4	20.7	20.9	21.5	20.2	20.4	20.7	20.9	21.5

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/m²
45,0°	15780.4
50,0°	14838.5
55,0°	14955.7
60,0°	15476.2
65,0°	16038.9
70,0°	16310.7
75,0°	15064.5
80,0°	13128.8
85,0°	10325.7

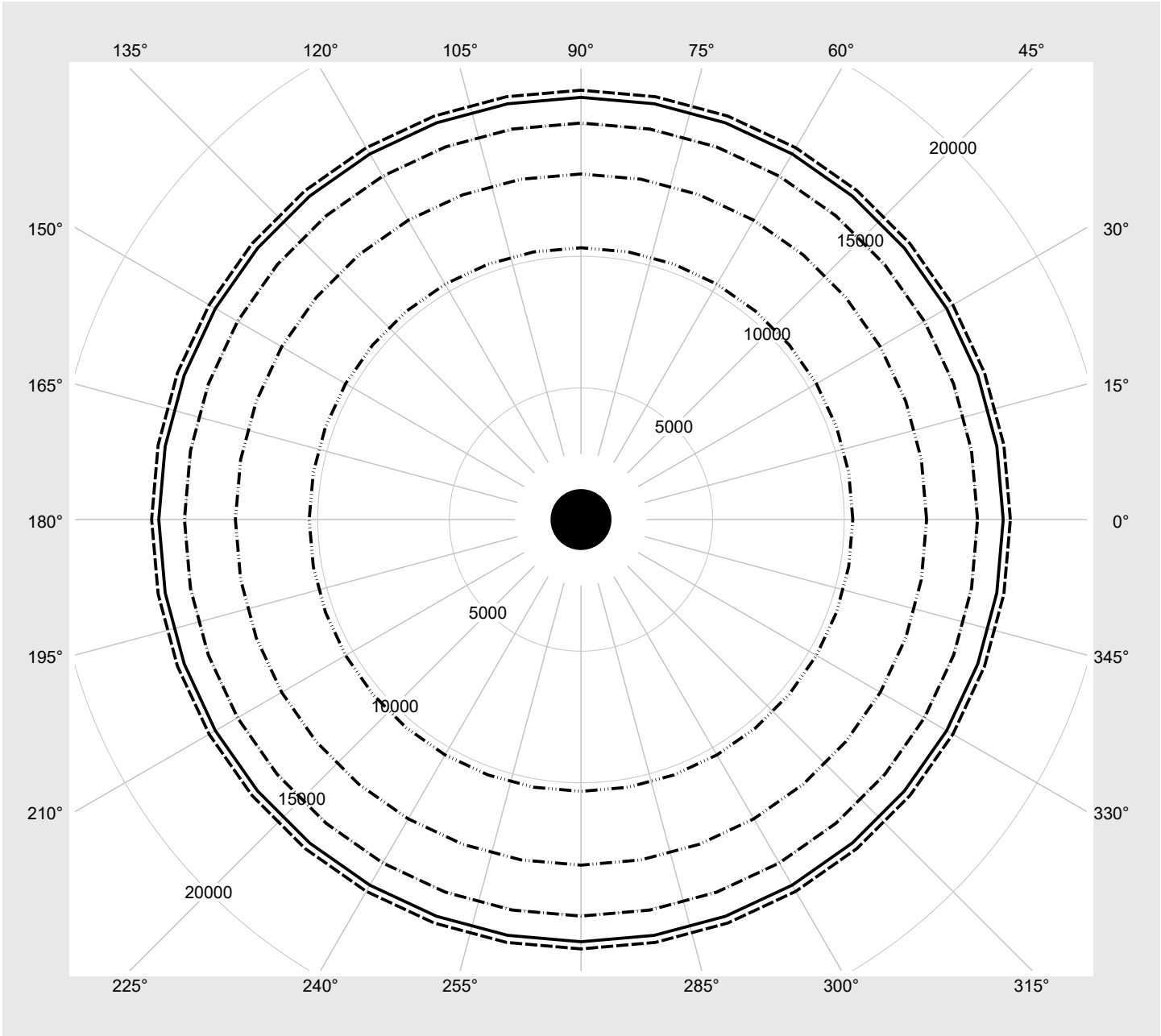
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Luminance values in cd/m²

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	4340	27.0
1	ON	OFF	OFF	4050	25.0
2	OFF	ON	OFF	3760	23.0
3	ON	ON	OFF	3460	21.0
4	OFF	OFF	ON	3160	19.1
5	ON	OFF	ON	2860	17.1
6	OFF	ON	ON	2550	15.2
7	ON	ON	ON	2240	13.4