
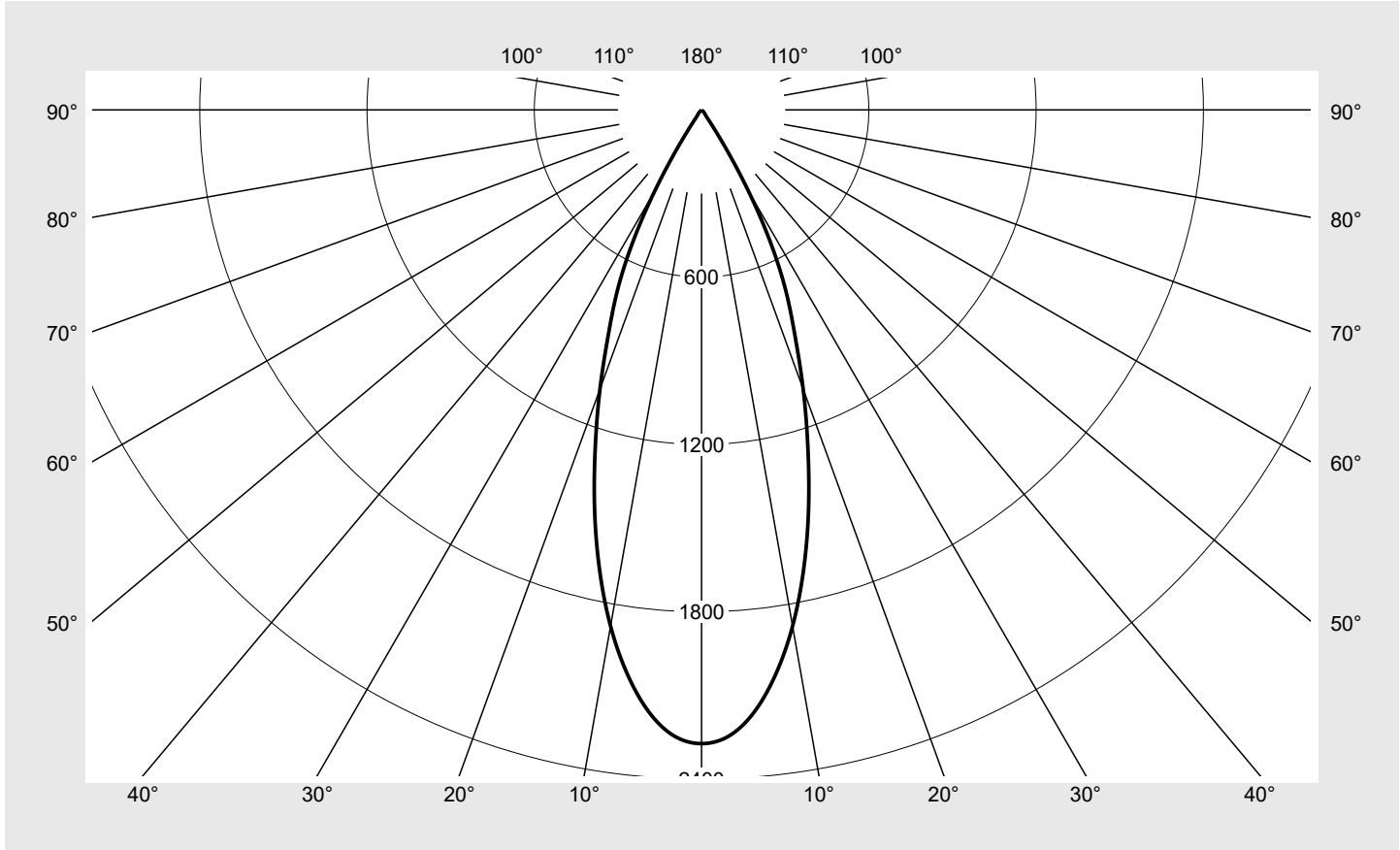


Photometric test report

Family Spot 21 Standard	Order number: 51SE63MB11C2C EAN: 4069025448040	LP number 59936_27
	Version housing, white aluminium, 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 = 2890 lm Power consumption = 18.5 W Luminous efficacy = 156.2 lm/W	serial documentation 11.05.2026



Luminous intensity in cd/klm C180-0 **Imax: 2273 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=98 N2=99 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°	2272.8	3.4	3.4
2,5°	2247.7	26.9	30.3
5,0°	2167.7	51.8	82.1
7,5°	2040.8	73.0	155.1
10,0°	1880.0	89.5	244.6
12,5°	1690.1	100.3	344.9
15,0°	1482.7	105.2	450.1
17,5°	1267.9	104.5	554.6
20,0°	1065.6	99.9	654.5
22,5°	874.9	91.8	746.3
25,0°	714.3	82.8	829.0
27,5°	533.8	67.6	896.6
30,0°	335.3	46.0	942.6
32,5°	151.5	22.3	964.9
35,0°	44.0	6.9	971.8
37,5°	23.3	3.9	975.7
40,0°	17.4	3.1	978.7
42,5°	13.8	2.6	981.3
45,0°	11.3	2.2	983.5
47,5°	9.4	1.9	985.4
50,0°	8.2	1.7	987.1
52,5°	7.3	1.6	988.7
55,0°	6.6	1.5	990.2
57,5°	6.0	1.4	991.6
60,0°	5.5	1.3	992.9
62,5°	5.0	1.2	994.1
65,0°	4.6	1.1	995.3
67,5°	4.1	1.0	996.3
70,0°	3.6	0.9	997.2
72,5°	3.0	0.8	998.0
75,0°	2.3	0.6	998.6
77,5°	1.8	0.5	999.1
80,0°	1.4	0.4	999.5
82,5°	1.0	0.3	999.8
85,0°	0.6	0.2	999.9
87,5°	0.2	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	13.8	14.8	14.2	15.1	15.5	13.8	14.8	14.2	15.1	15.5
	3H	14.1	15.0	14.5	15.3	15.7	14.1	15.0	14.5	15.3	15.7
	4H	14.2	15.0	14.6	15.4	15.7	14.2	15.0	14.6	15.4	15.7
	6H	14.3	15.0	14.7	15.4	15.8	14.3	15.0	14.7	15.4	15.8
	8H	14.5	15.0	14.9	15.4	15.8	14.5	15.0	14.9	15.4	15.8
	12H	14.4	14.9	14.9	15.3	15.7	14.4	14.9	14.9	15.3	15.7
4H	2H	13.8	14.6	14.2	14.9	15.3	13.8	14.6	14.2	14.9	15.3
	3H	14.1	14.8	14.6	15.2	15.6	14.1	14.8	14.6	15.2	15.6
	4H	14.3	14.9	14.8	15.3	15.8	14.3	14.9	14.8	15.3	15.8
	6H	14.4	14.9	14.9	15.4	15.9	14.4	14.9	14.9	15.4	15.9
	8H	14.5	14.9	15.0	15.4	15.9	14.5	14.9	15.0	15.4	15.9
	12H	14.6	14.9	15.1	15.4	15.9	14.6	14.9	15.1	15.4	15.9
8H	4H	14.3	14.8	14.8	15.2	15.7	14.3	14.8	14.8	15.2	15.7
	6H	14.6	14.9	15.1	15.4	15.9	14.6	14.9	15.1	15.4	15.9
	8H	14.6	14.9	15.1	15.4	15.9	14.6	14.9	15.1	15.4	15.9
	12H	14.7	14.9	15.2	15.4	16.0	14.7	14.9	15.2	15.4	16.0
12H	4H	14.3	14.7	14.8	15.1	15.6	14.3	14.7	14.8	15.1	15.6
	6H	14.5	14.8	15.1	15.3	15.8	14.5	14.8	15.1	15.3	15.8
	8H	14.6	14.9	15.2	15.4	15.9	14.6	14.9	15.2	15.4	15.9

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
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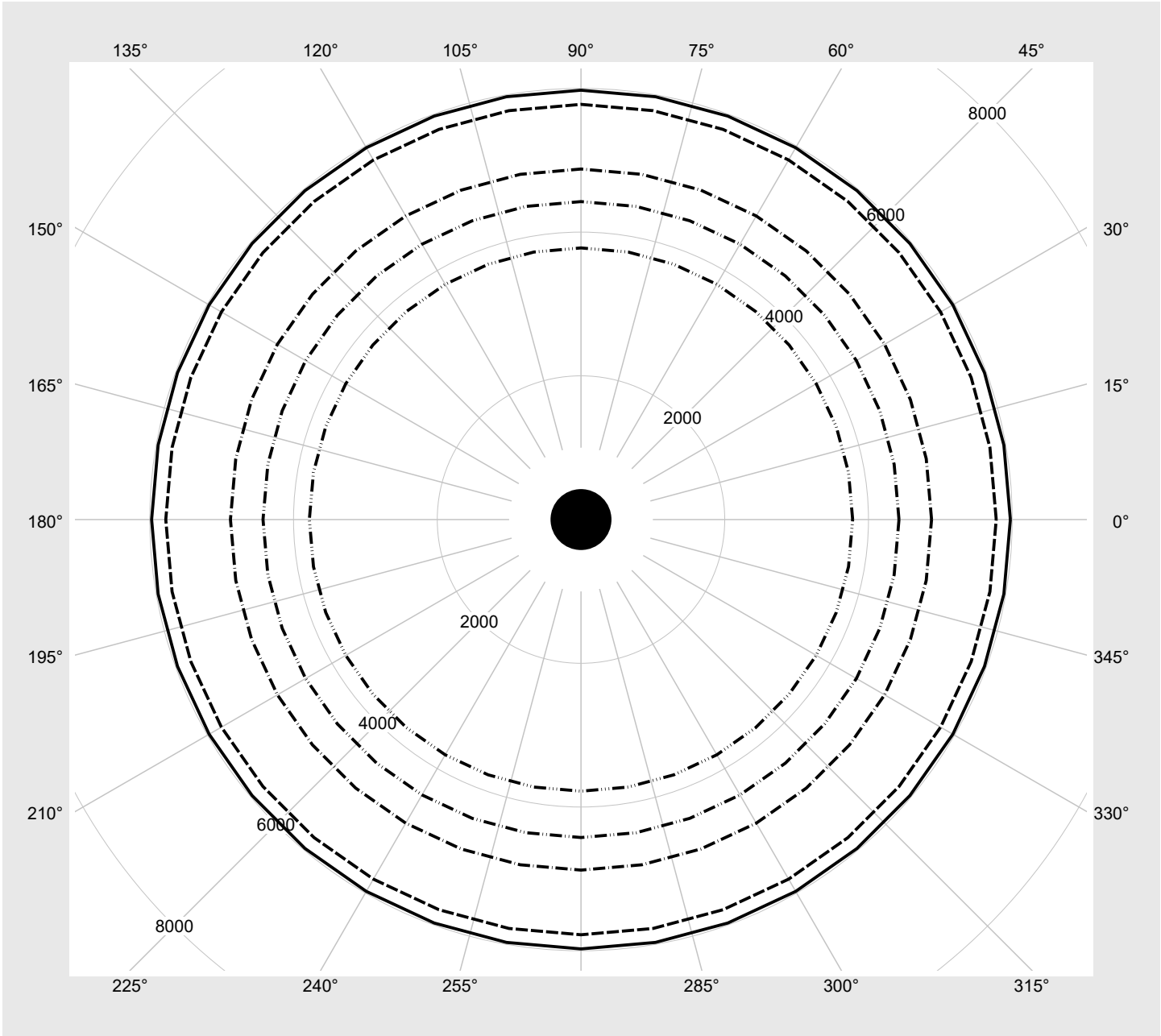
C-planes	0°
γ	Luminance in cd/m²
45,0°	8772.4
50,0°	7002.4
55,0°	6316.1
60,0°	6038.3
65,0°	5974.6
70,0°	5777.7
75,0°	4877.9
80,0°	4424.6
85,0°	3779.9

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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	3900	26.5
1	ON	OFF	OFF	3660	24.5
2	OFF	ON	OFF	3410	22.5
3	ON	ON	OFF	3150	20.5
4	OFF	OFF	ON	2890	18.5
5	ON	OFF	ON	2630	16.6
6	OFF	ON	ON	2360	14.8
7	ON	ON	ON	2080	12.9