
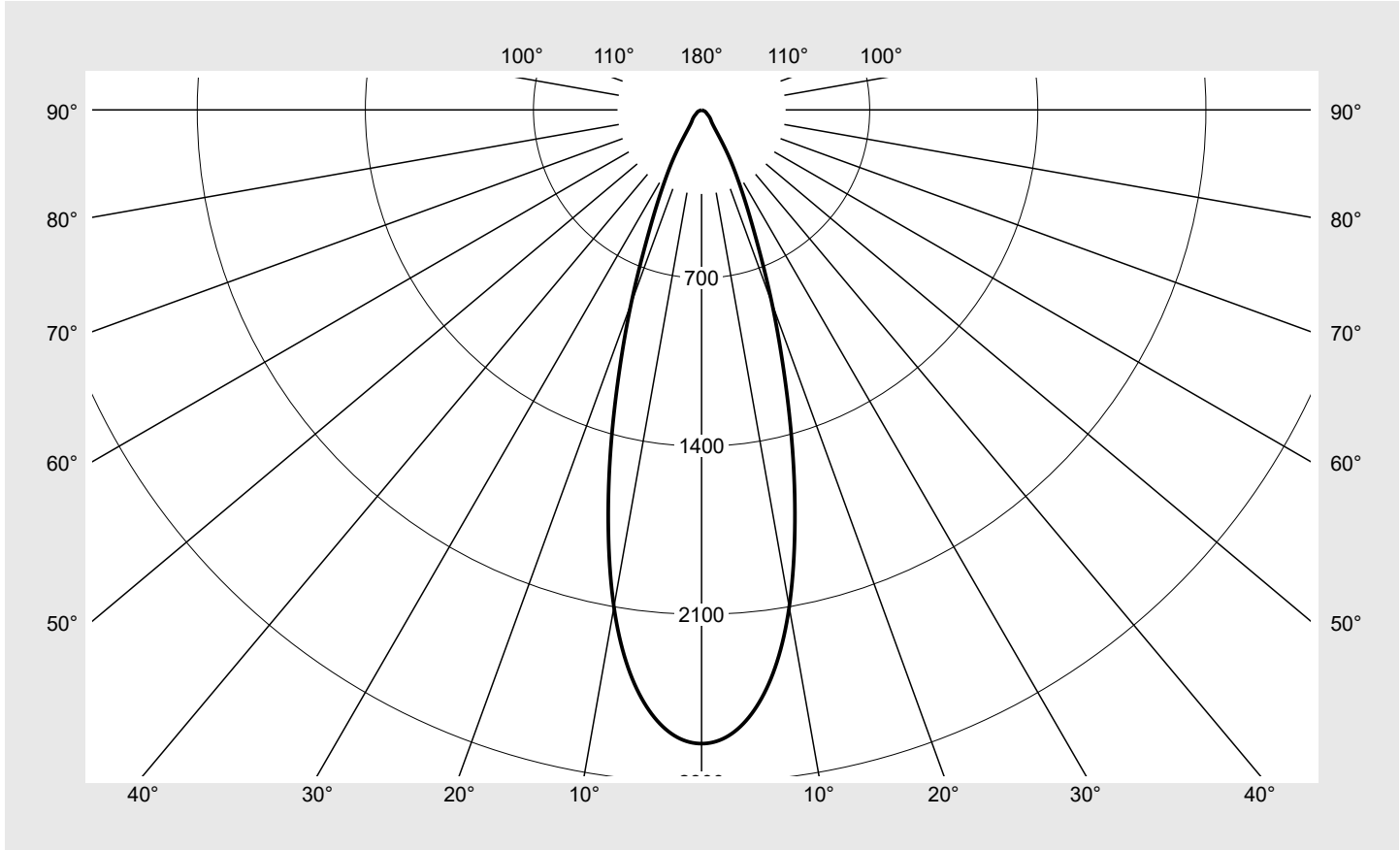


Photometric test report

Family Spot 21 Standard	Order number: 51SE33MA2DC2C EAN: 4069025447517	LP number 59940_11
	Version housing, black, reflector, lens PMMA, wide distribution Lamps LED 3500 K CRI ≥ 90 Controlgear ECG Multilumen Setting factory setting: DIP-Step=6 Rated values Net luminous flux = 2150 lm Power consumption = 14.8 W Luminous efficacy = 145.3 lm/W	serial documentation 11.05.2026



Luminous intensity in cd/klm C180-0 **Imax: 2638 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=92 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°	2638.3	3.9	3.9
2,5°	2607.2	31.2	35.1
5,0°	2509.4	60.0	95.1
7,5°	2342.7	83.8	178.9
10,0°	2101.4	100.0	278.9
12,5°	1793.5	106.4	385.4
15,0°	1462.2	103.7	489.1
17,5°	1137.7	93.8	582.9
20,0°	857.0	80.4	663.2
22,5°	616.7	64.7	727.9
25,0°	449.1	52.0	780.0
27,5°	328.3	41.6	821.5
30,0°	236.7	32.4	854.0
32,5°	154.3	22.7	876.7
35,0°	101.7	16.0	892.7
37,5°	76.7	12.8	905.5
40,0°	64.2	11.3	916.8
42,5°	57.3	10.6	927.4
45,0°	51.1	9.9	937.3
47,5°	44.6	9.0	946.3
50,0°	37.9	8.0	954.3
52,5°	31.6	6.9	961.2
55,0°	26.8	6.0	967.2
57,5°	24.1	5.6	972.7
60,0°	21.5	5.1	977.8
62,5°	18.8	4.6	982.4
65,0°	15.7	3.9	986.3
67,5°	12.6	3.2	989.5
70,0°	10.1	2.6	992.1
72,5°	8.3	2.2	994.3
75,0°	6.8	1.8	996.1
77,5°	5.4	1.5	997.5
80,0°	4.1	1.1	998.7
82,5°	2.8	0.8	999.4
85,0°	1.6	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									
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	20.1	21.2	20.4	21.5	21.8	20.1	21.2	20.4	21.5	21.8
	3H	20.7	21.6	21.1	22.0	22.3	20.7	21.6	21.1	22.0	22.3
	4H	20.9	21.8	21.3	22.1	22.5	20.9	21.8	21.3	22.1	22.5
	6H	21.1	21.9	21.6	22.3	22.7	21.1	21.9	21.6	22.3	22.7
	8H	21.3	21.9	21.7	22.3	22.7	21.3	21.9	21.7	22.3	22.7
	12H	21.3	21.9	21.7	22.3	22.7	21.3	21.9	21.7	22.3	22.7
4H	2H	20.4	21.2	20.8	21.6	21.9	20.4	21.2	20.8	21.6	21.9
	3H	21.1	21.8	21.5	22.2	22.6	21.1	21.8	21.5	22.2	22.6
	4H	21.4	22.0	21.9	22.4	22.9	21.4	22.0	21.9	22.4	22.9
	6H	21.7	22.2	22.1	22.6	23.1	21.7	22.2	22.1	22.6	23.1
	8H	21.8	22.2	22.3	22.7	23.2	21.8	22.2	22.3	22.7	23.2
	12H	21.8	22.2	22.3	22.7	23.2	21.8	22.2	22.3	22.7	23.2
8H	4H	21.5	22.0	22.0	22.4	22.9	21.5	22.0	22.0	22.4	22.9
	6H	21.8	22.2	22.4	22.7	23.2	21.8	22.2	22.4	22.7	23.2
	8H	22.0	22.3	22.5	22.8	23.3	22.0	22.3	22.5	22.8	23.3
	12H	22.1	22.3	22.6	22.8	23.4	22.1	22.3	22.6	22.8	23.4
12H	4H	21.5	21.9	22.0	22.3	22.8	21.5	21.9	22.0	22.3	22.8
	6H	21.9	22.2	22.4	22.6	23.2	21.9	22.2	22.4	22.6	23.2
	8H	22.0	22.3	22.5	22.8	23.3	22.0	22.3	22.5	22.8	23.3

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 62
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C-planes	0°
γ	Luminance in cd/m ²
45,0°	51454.6
50,0°	42034.6
55,0°	33274.3
60,0°	30593.5
65,0°	26386.4
70,0°	21108.9
75,0°	18779.0
80,0°	16875.8
85,0°	13122.4

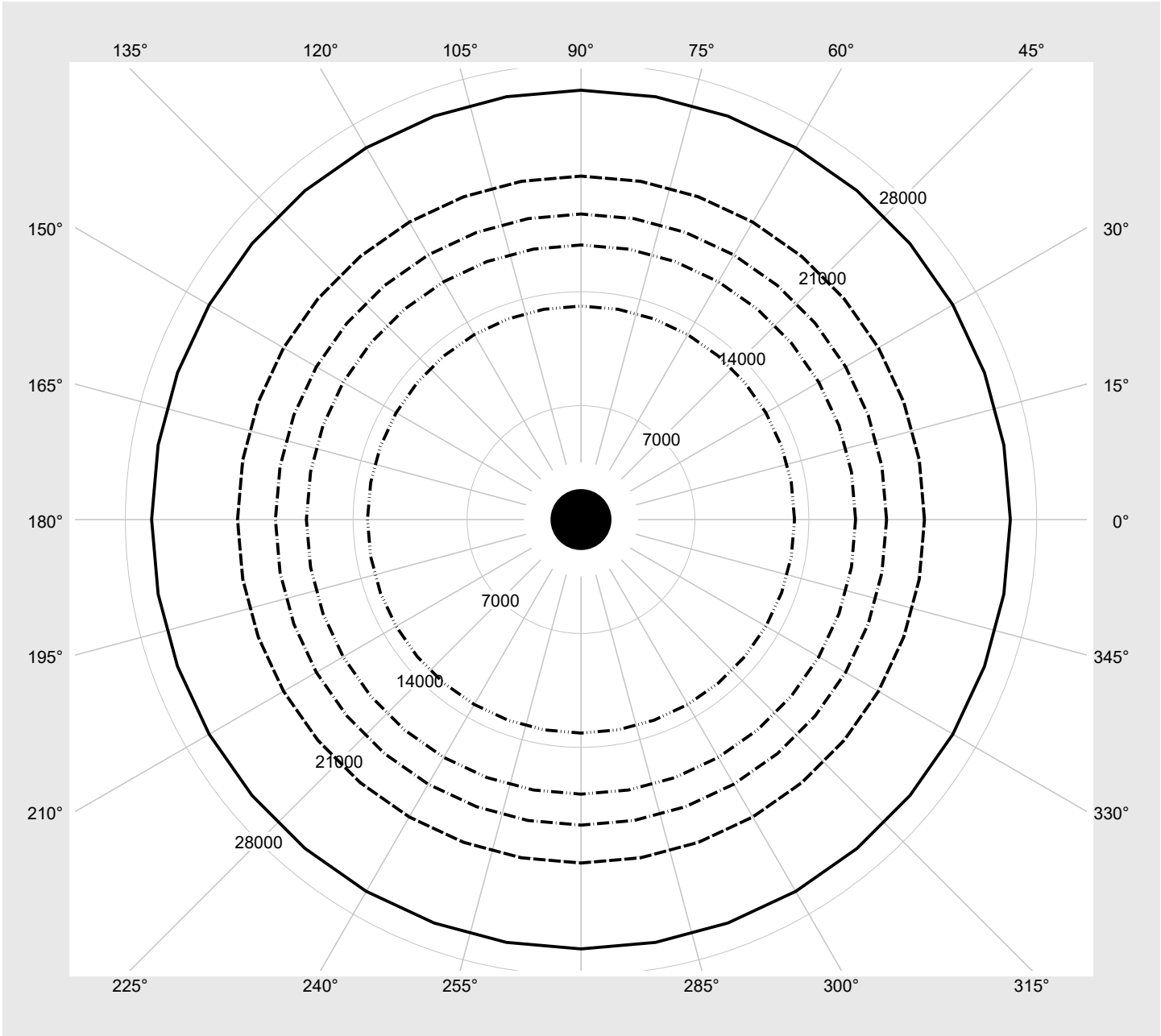
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Luminance values in cd/m²

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	3550	26.5
1	ON	OFF	OFF	3330	24.4
2	OFF	ON	OFF	3110	22.4
3	ON	ON	OFF	2870	20.4
4	OFF	OFF	ON	2640	18.5
5	ON	OFF	ON	2400	16.5
6	OFF	ON	ON	2150	14.8
7	ON	ON	ON	1900	12.8