
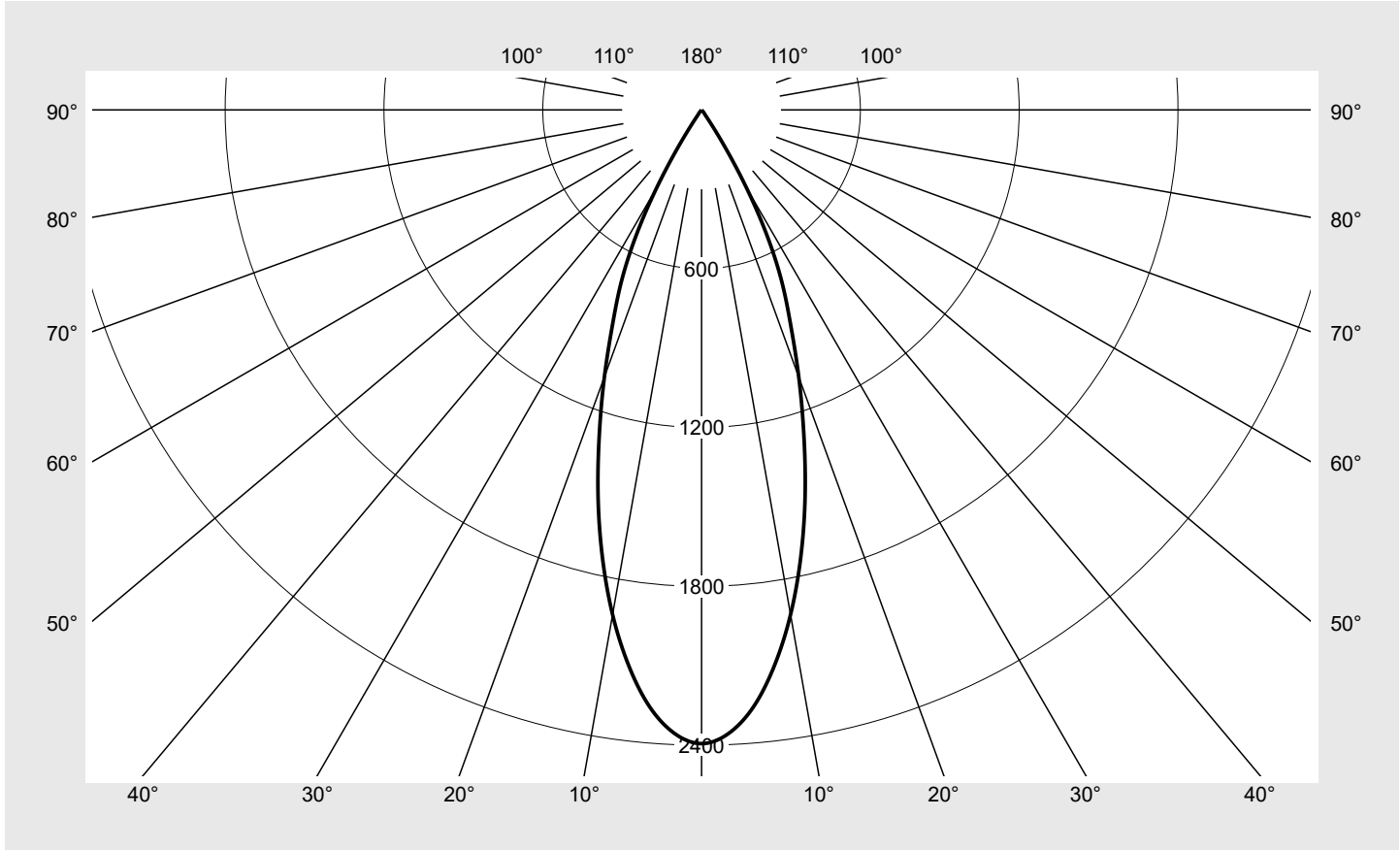


Photometric test report

Family Spot 21 Standard	Order number: 51SE33DB11C2C EAN: 4069025447470	LP number 59933_32
	Version housing, black, reflector, cover glass, transparent, medium distribution Lamps LED 3500 K CRI ≥ 90 Controlgear ECG-DALI-Multilumen Setting factory setting: DIP-Step=7 Rated values Net luminous flux = 2870 lm Power consumption = 19.8 W Luminous efficacy = 144.9 lm/W	serial documentation 11.05.2026



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	sITeco
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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	14.2	14.5	12.9	13.9	13.3	14.2	14.5
	3H	12.8	13.6	13.2	14.0	14.3	12.8	13.6	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	13.1	13.6	14.0	12.7	13.2	13.1	13.6	14.0
	12H	12.6	13.1	13.1	13.5	13.9	12.6	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	13.9	12.5	13.1	12.9	13.5	13.9
	4H	12.4	12.9	12.8	13.3	13.8	12.4	12.9	12.8	13.3	13.8
	6H	12.2	12.7	12.7	13.2	13.6	12.2	12.7	12.7	13.2	13.6
	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	11.9	12.2	12.5	12.7	13.2	11.9	12.2	12.5	12.7	13.2
12H	4H	12.2	12.5	12.7	13.0	13.5	12.2	12.5	12.7	13.0	13.5
	6H	12.0	12.3	12.6	12.8	13.3	12.0	12.3	12.6	12.8	13.3
	8H	11.9	12.2	12.5	12.7	13.2	11.9	12.2	12.5	12.7	13.2

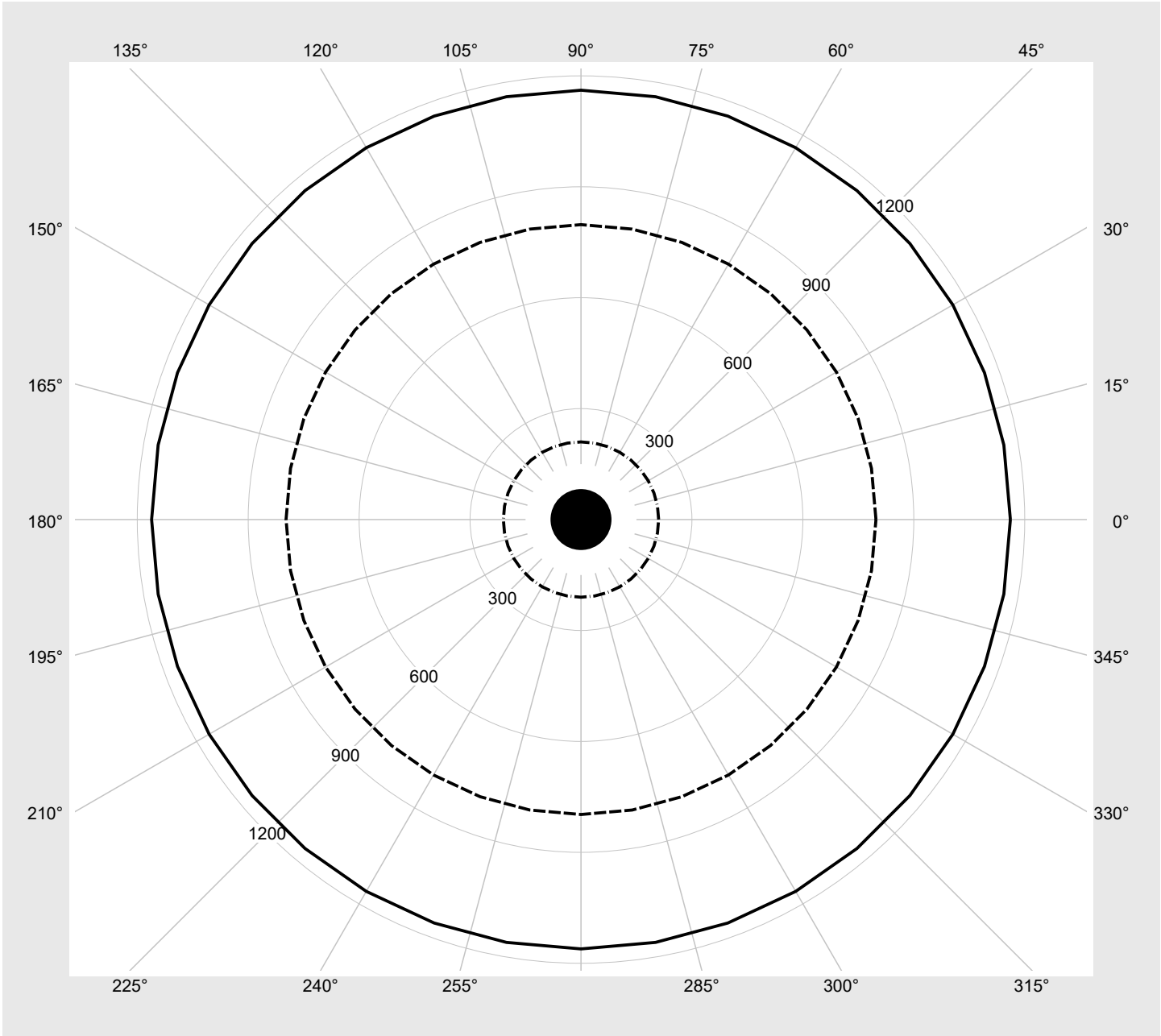
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
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C-planes	0°
γ	Luminance in cd/m^2
45,0°	5012.6
50,0°	3053.8
55,0°	2091.1
60,0°	1527.1
65,0°	1161.2
70,0°	797.7
75,0°	210.0
80,0°	0.0
85,0°	0.0

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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	
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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
11	ON	OFF	ON	ON	3870	28.1
10	ON	OFF	ON	OFF	3630	25.9
9	ON	OFF	OFF	ON	3380	23.8
8	ON	OFF	OFF	OFF	3130	21.7
7	OFF	ON	ON	ON	2870	19.8
6	OFF	ON	ON	OFF	2610	17.7
5	OFF	ON	OFF	ON	2340	15.7
4	OFF	ON	OFF	OFF	2060	13.8
3	OFF	OFF	ON	ON	1780	11.7
2	OFF	OFF	ON	OFF	1500	9.9
1	OFF	OFF	OFF	ON	1200	8.1
0	OFF	OFF	OFF	OFF	900	6.2