

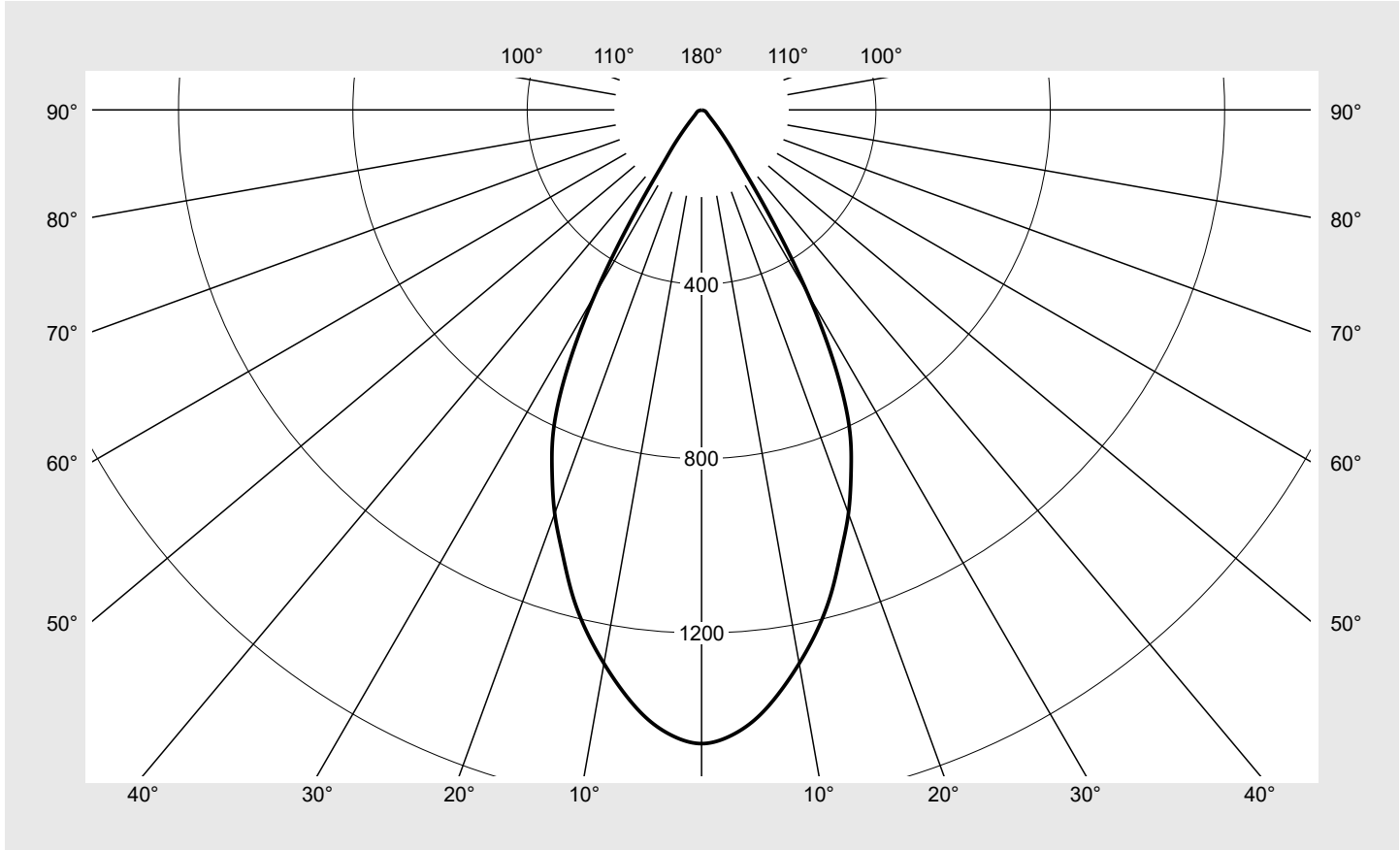


Photometric test report

Family Spot 21 Standard	Order number: 51SE14DB11A2C EAN: 4069025447098	LP number 59931_31
	Version housing, white, reflector, cover glass, transparent, wide distribution	serial documentation 11.05.2026
	Lamps LED 2700 K CRI ≥ 90	
Controlgear ECG-DALI-Multilumen		
Setting factory setting: DIP-Step=7		
Rated values Net luminous flux = 2710 lm Power consumption = 19.8 W Luminous efficacy = 136.9 lm/W		

Luminous intensity in cd/klm C180-0 **Imax: 1454 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=94 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°	1453.7	2.2	2.2
2,5°	1438.9	17.2	19.4
5,0°	1404.1	33.5	52.9
7,5°	1351.1	48.3	101.3
10,0°	1289.5	61.4	162.7
12,5°	1223.4	72.6	235.2
15,0°	1148.5	81.5	316.7
17,5°	1063.6	87.7	404.4
20,0°	985.2	92.4	496.8
22,5°	896.4	94.0	590.8
25,0°	801.5	92.9	683.7
27,5°	663.4	84.0	767.6
30,0°	489.2	67.1	834.7
32,5°	307.3	45.3	880.0
35,0°	173.2	27.2	907.2
37,5°	114.5	19.1	926.3
40,0°	77.4	13.6	940.0
42,5°	52.8	9.8	949.7
45,0°	37.7	7.3	957.0
47,5°	28.4	5.7	962.8
50,0°	22.7	4.8	967.6
52,5°	19.1	4.2	971.7
55,0°	16.7	3.8	975.5
57,5°	15.0	3.5	978.9
60,0°	13.6	3.2	982.2
62,5°	12.4	3.0	985.2
65,0°	11.2	2.8	988.0
67,5°	10.1	2.6	990.6
70,0°	9.0	2.3	992.9
72,5°	7.7	2.0	994.9
75,0°	6.2	1.6	996.5
77,5°	4.7	1.3	997.8
80,0°	3.6	1.0	998.8
82,5°	2.5	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	19.5	20.6	19.8	20.9	21.2	19.5	20.6	19.8	20.9	21.2
	3H	19.8	20.8	20.2	21.1	21.5	19.8	20.8	20.2	21.1	21.5
	4H	20.0	20.9	20.3	21.2	21.6	20.0	20.9	20.3	21.2	21.6
	6H	20.0	20.9	20.5	21.2	21.6	20.0	20.9	20.5	21.2	21.6
	8H	20.2	20.9	20.7	21.3	21.7	20.2	20.9	20.7	21.3	21.7
	12H	20.2	20.8	20.7	21.2	21.6	20.2	20.8	20.7	21.2	21.6
4H	2H	19.5	20.4	19.9	20.7	21.1	19.5	20.4	19.9	20.7	21.1
	3H	19.9	20.7	20.3	21.0	21.5	19.9	20.7	20.3	21.0	21.5
	4H	20.2	20.8	20.6	21.2	21.7	20.2	20.8	20.6	21.2	21.7
	6H	20.3	20.9	20.8	21.3	21.8	20.3	20.9	20.8	21.3	21.8
	8H	20.4	20.9	20.9	21.4	21.8	20.4	20.9	20.9	21.4	21.8
	12H	20.5	20.9	21.0	21.3	21.9	20.5	20.9	21.0	21.3	21.9
8H	4H	20.2	20.7	20.7	21.2	21.6	20.2	20.7	20.7	21.2	21.6
	6H	20.5	20.9	21.0	21.3	21.9	20.5	20.9	21.0	21.3	21.9
	8H	20.5	20.9	21.1	21.4	21.9	20.5	20.9	21.1	21.4	21.9
	12H	20.6	20.9	21.2	21.4	22.0	20.6	20.9	21.2	21.4	22.0
12H	4H	20.2	20.6	20.7	21.1	21.6	20.2	20.6	20.7	21.1	21.6
	6H	20.5	20.8	21.0	21.3	21.8	20.5	20.8	21.0	21.3	21.8
	8H	20.6	20.9	21.1	21.4	21.9	20.6	20.9	21.1	21.4	21.9

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/m ²
45,0°	27339.2
50,0°	18156.5
55,0°	14969.5
60,0°	13984.6
65,0°	13625.0
70,0°	13528.9
75,0°	12316.5
80,0°	10659.3
85,0°	8849.4

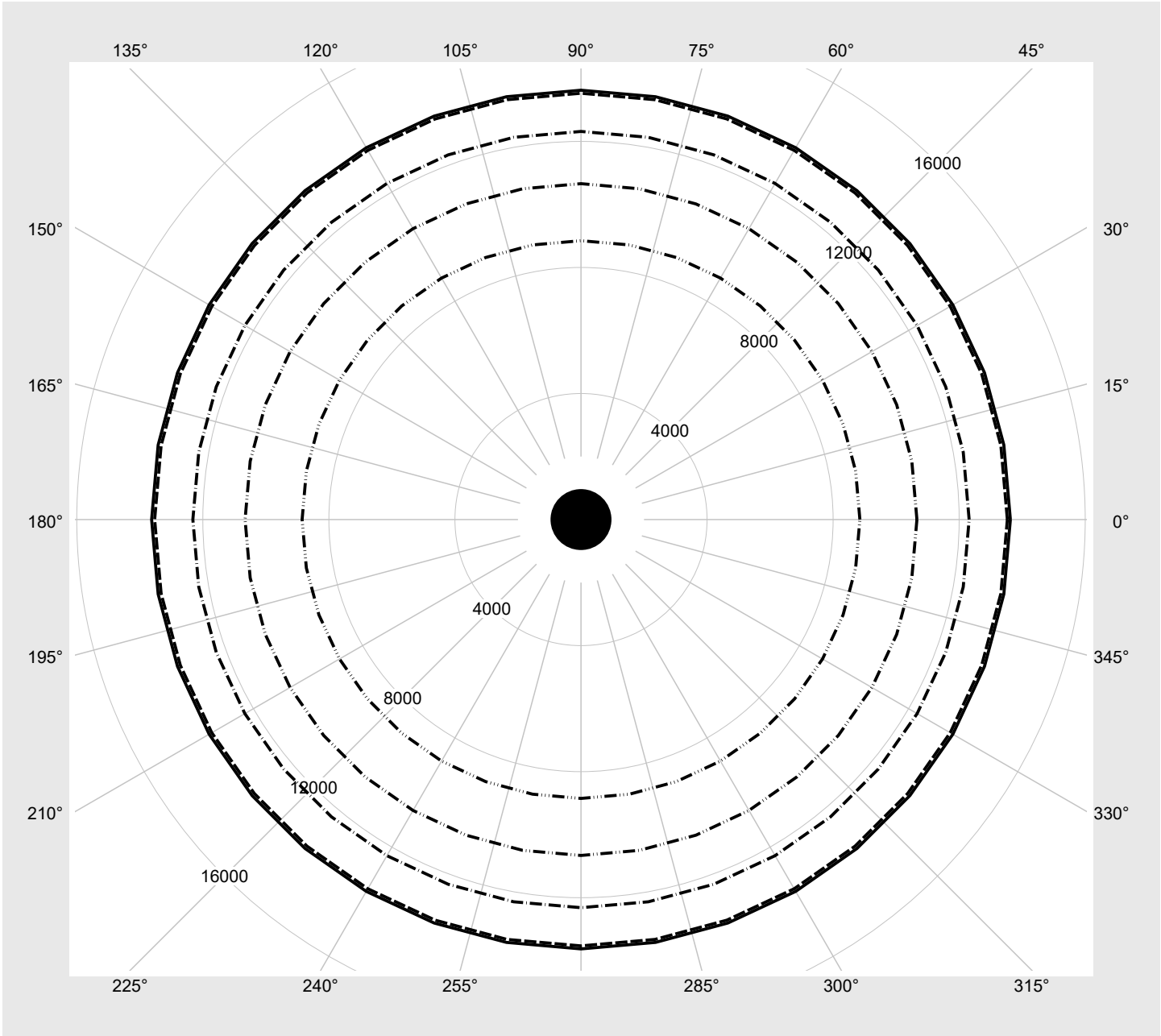
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Luminance values in cd/m²


γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

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Multilumen Table	environmental temperature: 25°C	
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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
11	ON	OFF	ON	ON	3650	28.1
10	ON	OFF	ON	OFF	3420	25.9
9	ON	OFF	OFF	ON	3190	23.8
8	ON	OFF	OFF	OFF	2950	21.7
7	OFF	ON	ON	ON	2710	19.8
6	OFF	ON	ON	OFF	2460	17.7
5	OFF	ON	OFF	ON	2210	15.7
4	OFF	ON	OFF	OFF	1950	13.8
3	OFF	OFF	ON	ON	1680	11.7
2	OFF	OFF	ON	OFF	1410	9.9
1	OFF	OFF	OFF	ON	1130	8.1
0	OFF	OFF	OFF	OFF	850	6.2