

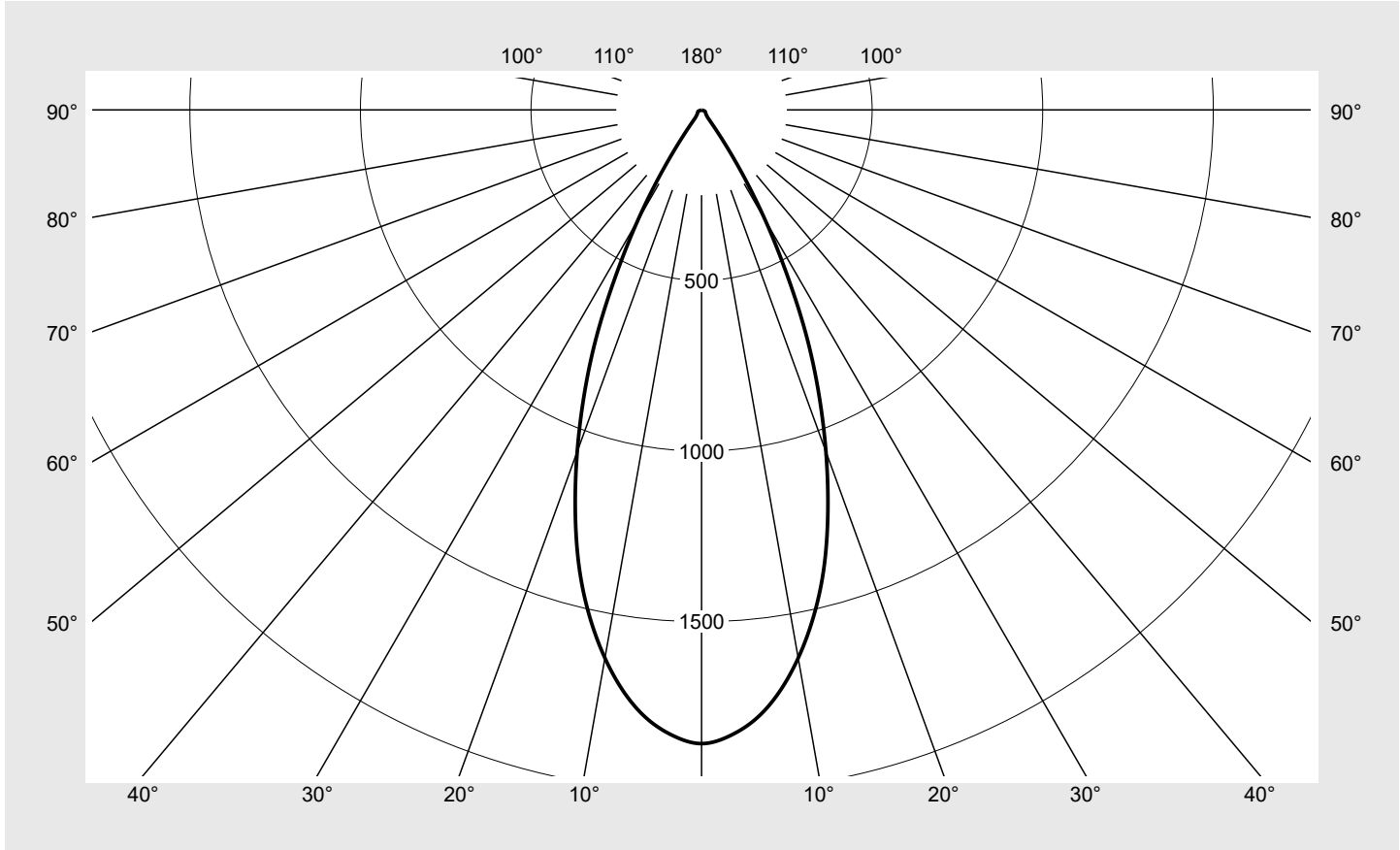


Photometric test report

Family Spot 21 Performance	Order number: 51SD14DB11B3B EAN: 4069025538505	LP number 59944_10
	Version housing, white, reflector, cover glass, transparent, wide distribution	serial documentation 11.05.2026
	Lamps LED 3000 K CRI ≥ 90	
Controlgear ECG-DALI-Multilumen		
Setting factory setting: DIP-Step=7		
Rated values Net luminous flux = 3140 lm Power consumption = 20.4 W Luminous efficacy = 153.9 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	19.3	17.6	18.7	18.0	19.0	19.3
	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	19.0	19.8	19.5	20.2	20.6	19.0	19.8	19.5	20.2	20.6
	8H	19.3	19.8	19.7	20.2	20.6	19.3	19.8	19.7	20.2	20.6
	12H	19.3	19.8	19.7	20.2	20.6	19.3	19.8	19.7	20.2	20.6
4H	2H	17.8	18.6	18.2	19.0	19.4	17.8	18.6	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	19.7	20.3	20.8	19.3	19.9	19.7	20.3	20.8
	6H	19.6	20.2	20.1	20.6	21.1	19.6	20.2	20.1	20.6	21.1
	8H	19.8	20.2	20.3	20.7	21.2	19.8	20.2	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	19.9	20.4	20.9	19.5	19.9	19.9	20.4	20.9
	6H	19.9	20.3	20.4	20.8	21.3	19.9	20.3	20.4	20.8	21.3
	8H	20.1	20.4	20.6	20.9	21.4	20.1	20.4	20.6	20.9	21.4
	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	19.8	20.0	20.3	20.8	19.5	19.8	20.0	20.3	20.8
	6H	20.0	20.2	20.5	20.7	21.3	20.0	20.2	20.5	20.7	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°	15680.5
50,0°	14744.6
55,0°	14861.0
60,0°	15378.3
65,0°	15937.4
70,0°	16207.5
75,0°	14969.1
80,0°	13045.7
85,0°	10260.4

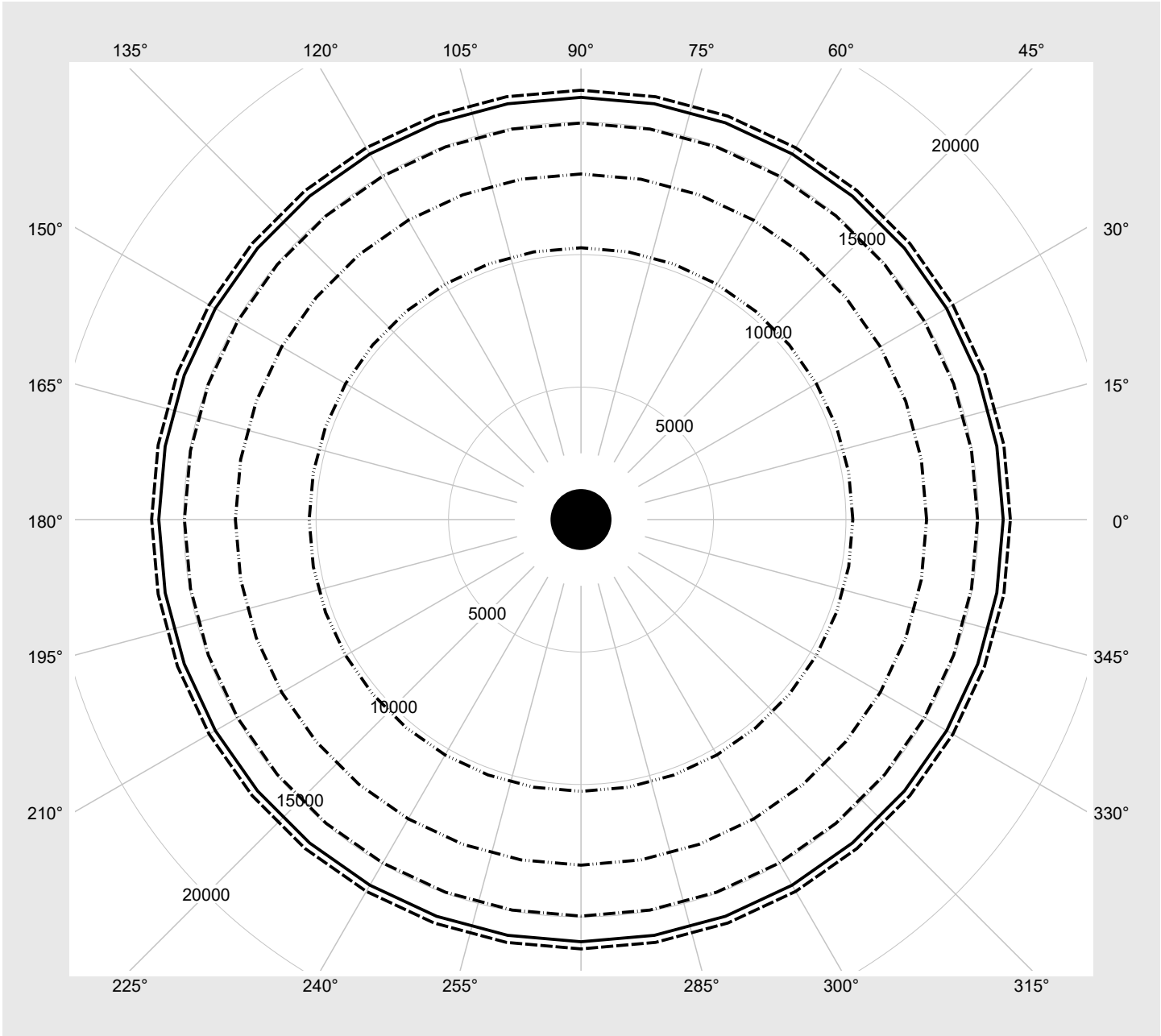
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Luminance values in cd/m²

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	4		
11	ON	OFF	ON	ON	4300	28.6
10	ON	OFF	ON	OFF	4010	26.4
9	ON	OFF	OFF	ON	3730	24.4
8	ON	OFF	OFF	OFF	3430	22.3
7	OFF	ON	ON	ON	3140	20.4
6	OFF	ON	ON	OFF	2830	18.3
5	OFF	ON	OFF	ON	2530	16.2
4	OFF	ON	OFF	OFF	2220	14.3
3	OFF	OFF	ON	ON	1910	12.2
2	OFF	OFF	ON	OFF	1600	10.4
1	OFF	OFF	OFF	ON	1270	8.5
0	OFF	OFF	OFF	OFF	950	6.6