

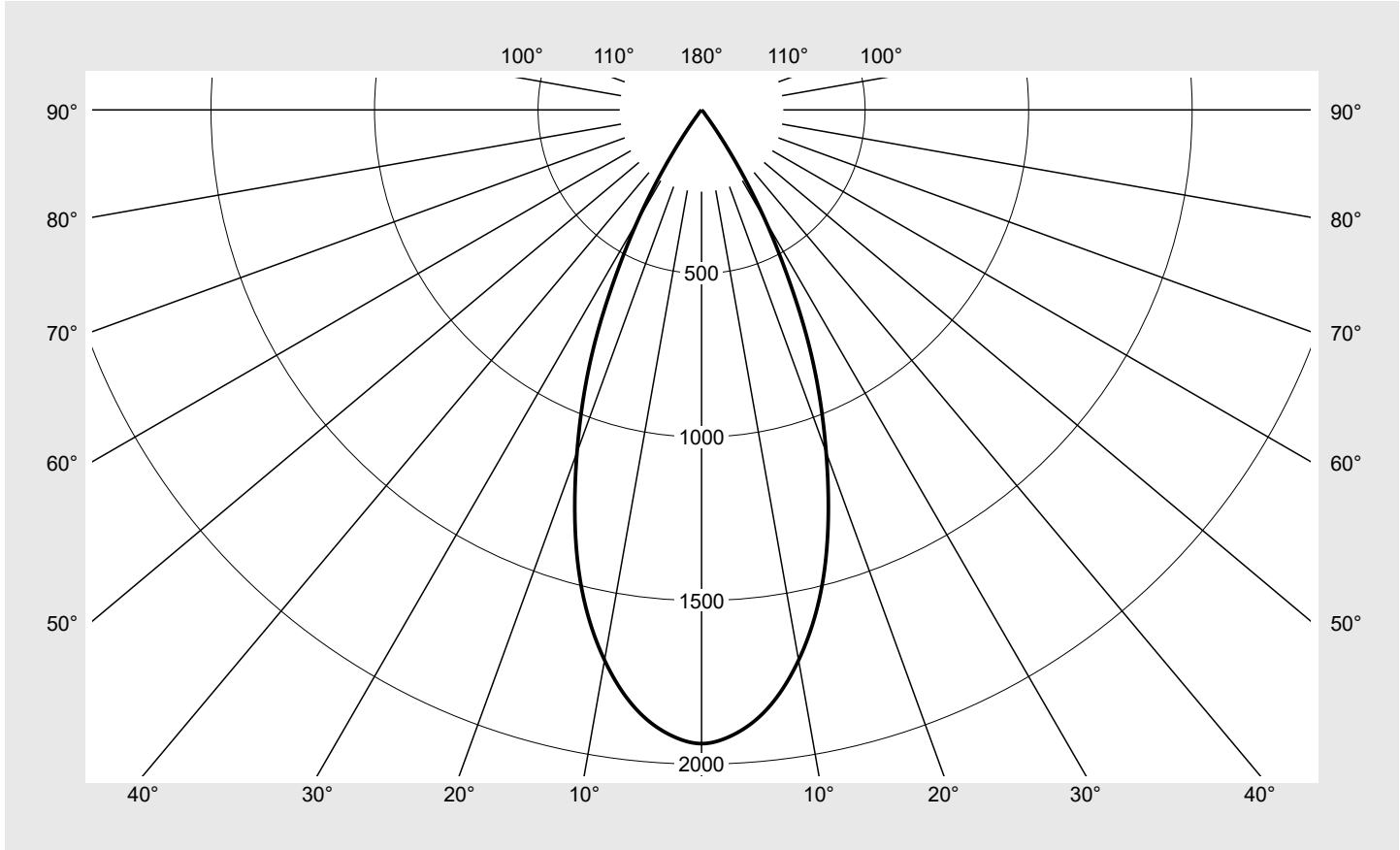


Photometric test report

Family Spot 21 Performance	Order number: 51SD34DB11C3B EAN: 4069025538871	LP number 59946_11
	Version housing, black, reflector, cover glass, transparent, wide distribution Lamps LED 3500 K CRI ≥ 90 Controlgear ECG-DALI-Multilumen Setting factory setting: DIP-Step=7	serial documentation 11.05.2026
	Rated values Net luminous flux = 3010 lm Power consumption = 20.4 W Luminous efficacy = 147.5 lm/W	

Luminous intensity in cd/klm C180-0 **Imax: 1937 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
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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°	1937.4	2.9	2.9
2,5°	1918.5	22.9	25.8
5,0°	1874.2	44.8	70.6
7,5°	1803.7	64.5	135.2
10,0°	1708.3	81.3	216.5
12,5°	1592.6	94.5	311.0
15,0°	1453.4	103.1	414.1
17,5°	1289.1	106.3	520.4
20,0°	1113.4	104.4	624.7
22,5°	938.6	98.5	723.2
25,0°	755.5	87.5	810.7
27,5°	560.7	71.0	881.7
30,0°	388.9	53.3	935.0
32,5°	229.8	33.8	968.9
35,0°	101.6	16.0	984.8
37,5°	29.4	4.9	989.7
40,0°	14.2	2.5	992.2
42,5°	9.4	1.7	994.0
45,0°	6.8	1.3	995.3
47,5°	5.0	1.0	996.3
50,0°	3.8	0.8	997.1
52,5°	2.9	0.6	997.8
55,0°	2.3	0.5	998.3
57,5°	1.9	0.4	998.7
60,0°	1.5	0.4	999.1
62,5°	1.2	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	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	16.3	17.3	16.6	17.6	17.9	16.3	17.3	16.6	17.6	17.9
	3H	16.1	17.0	16.5	17.3	17.7	16.1	17.0	16.5	17.3	17.7
	4H	16.0	16.8	16.4	17.2	17.5	16.0	16.8	16.4	17.2	17.5
	6H	15.9	16.6	16.3	17.0	17.4	15.9	16.6	16.3	17.0	17.4
	8H	16.1	16.6	16.5	17.0	17.4	16.1	16.6	16.5	17.0	17.4
	12H	16.0	16.5	16.4	16.9	17.3	16.0	16.5	16.4	16.9	17.3
4H	2H	16.0	16.8	16.4	17.2	17.5	16.0	16.8	16.4	17.2	17.5
	3H	15.8	16.5	16.2	16.9	17.3	15.8	16.5	16.2	16.9	17.3
	4H	15.7	16.3	16.1	16.7	17.1	15.7	16.3	16.1	16.7	17.1
	6H	15.6	16.1	16.1	16.5	17.0	15.6	16.1	16.1	16.5	17.0
	8H	15.6	16.0	16.0	16.4	16.9	15.6	16.0	16.0	16.4	16.9
	12H	15.6	15.9	16.1	16.3	16.8	15.6	15.9	16.1	16.3	16.8
8H	4H	15.6	16.0	16.0	16.4	16.9	15.6	16.0	16.0	16.4	16.9
	6H	15.4	15.8	15.9	16.2	16.8	15.4	15.8	15.9	16.2	16.8
	8H	15.3	15.6	15.9	16.1	16.7	15.3	15.6	15.9	16.1	16.7
	12H	15.3	15.5	15.8	16.0	16.6	15.3	15.5	15.8	16.0	16.6
12H	4H	15.6	15.9	16.1	16.3	16.8	15.6	15.9	16.1	16.3	16.8
	6H	15.4	15.6	15.9	16.1	16.7	15.4	15.6	15.9	16.1	16.7
	8H	15.3	15.5	15.8	16.0	16.6	15.3	15.5	15.8	16.0	16.6

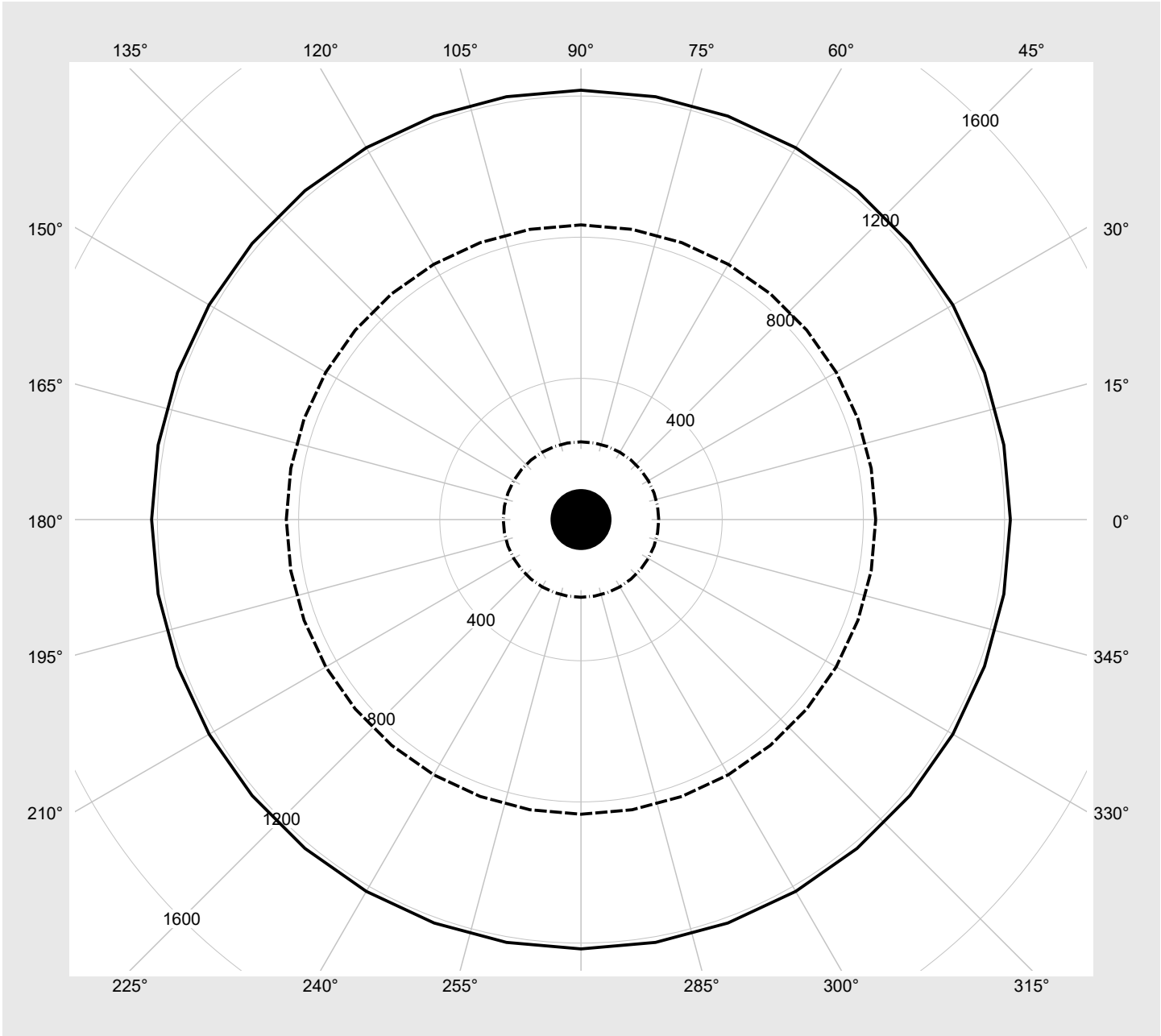
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
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C-planes	0°
γ	Luminance in cd/m²
45,0°	5495.7
50,0°	3378.4
55,0°	2291.5
60,0°	1714.5
65,0°	1216.5
70,0°	834.9
75,0°	220.2
80,0°	0.0
85,0°	0.0

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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	sITeco
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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
11	ON	OFF	ON	ON	4130	28.6
10	ON	OFF	ON	OFF	3860	26.4
9	ON	OFF	OFF	ON	3580	24.4
8	ON	OFF	OFF	OFF	3300	22.3
7	OFF	ON	ON	ON	3010	20.4
6	OFF	ON	ON	OFF	2720	18.3
5	OFF	ON	OFF	ON	2430	16.2
4	OFF	ON	OFF	OFF	2130	14.3
3	OFF	OFF	ON	ON	1840	12.2
2	OFF	OFF	ON	OFF	1530	10.4
1	OFF	OFF	OFF	ON	1230	8.5
0	OFF	OFF	OFF	OFF	910	6.6