
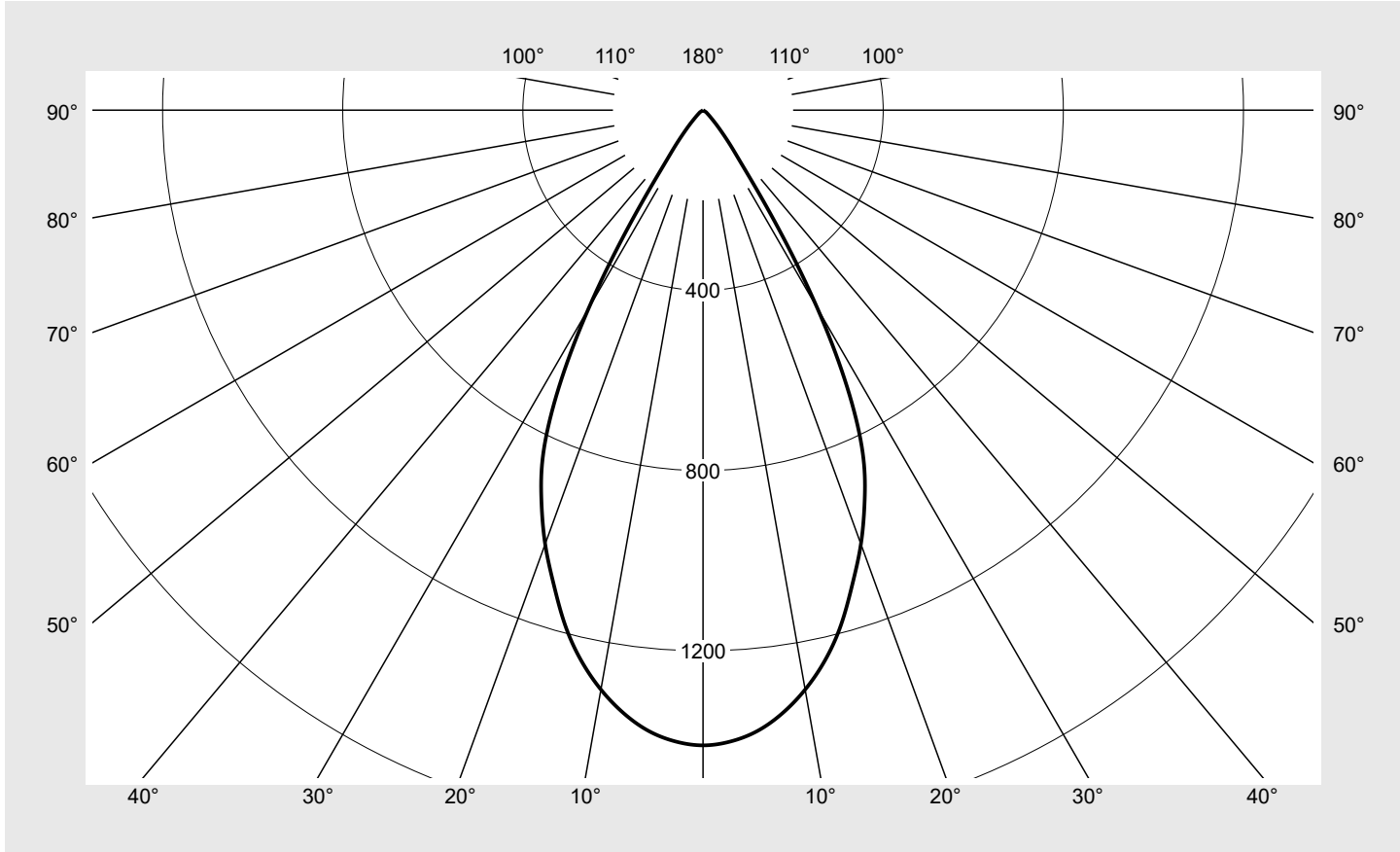


Photometric test report

Family Spot 21 Standard	Order number: 51SE64DB11A2C EAN: 4069025448071	LP number 59937_29
	Version housing, white aluminium, reflector, cover glass, transparent, wide distribution Lamps LED 2700 K CRI ≥ 90 Controlgear ECG-DALI-Multilumen Setting factory setting: DIP-Step=7 Rated values Net luminous flux = 2600 lm Power consumption = 19.8 W Luminous efficacy = 131.3 lm/W	serial documentation 11.05.2026



Luminous intensity in cd/klm C180-0 **Imax: 1410 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=96 N2=99 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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sITeco

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°	1409.8	2.1	2.1
2,5°	1402.5	16.8	18.9
5,0°	1383.3	33.0	51.9
7,5°	1350.1	48.3	100.2
10,0°	1305.8	62.2	162.4
12,5°	1250.9	74.2	236.6
15,0°	1183.2	84.0	320.6
17,5°	1103.1	90.9	411.5
20,0°	1024.9	96.1	507.6
22,5°	937.8	98.4	606.0
25,0°	838.9	97.2	703.2
27,5°	692.9	87.7	790.9
30,0°	508.4	69.7	860.5
32,5°	313.6	46.2	906.7
35,0°	170.0	26.7	933.5
37,5°	107.2	17.9	951.4
40,0°	69.8	12.3	963.7
42,5°	45.7	8.5	972.1
45,0°	29.8	5.8	977.9
47,5°	20.8	4.2	982.1
50,0°	15.0	3.2	985.3
52,5°	11.4	2.5	987.7
55,0°	9.1	2.0	989.8
57,5°	7.4	1.7	991.5
60,0°	6.2	1.5	993.0
62,5°	5.4	1.3	994.3
65,0°	4.6	1.1	995.4
67,5°	4.0	1.0	996.5
70,0°	3.5	0.9	997.4
72,5°	2.9	0.8	998.1
75,0°	2.3	0.6	998.7
77,5°	1.7	0.5	999.2
80,0°	1.3	0.4	999.5
82,5°	0.9	0.2	999.8
85,0°	0.6	0.2	999.9
87,5°	0.2	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	18.8	19.9	19.1	20.2	20.5	18.8	19.9	19.1	20.2	20.5
	3H	18.7	19.7	19.1	20.0	20.4	18.7	19.7	19.1	20.0	20.4
	4H	18.7	19.5	19.1	19.9	20.3	18.7	19.5	19.1	19.9	20.3
	6H	18.6	19.4	19.0	19.8	20.2	18.6	19.4	19.0	19.8	20.2
	8H	18.8	19.3	19.2	19.7	20.1	18.8	19.3	19.2	19.7	20.1
	12H	18.7	19.3	19.2	19.7	20.1	18.7	19.3	19.2	19.7	20.1
4H	2H	18.6	19.5	19.0	19.8	20.2	18.6	19.5	19.0	19.8	20.2
	3H	18.5	19.2	18.9	19.6	20.1	18.5	19.2	18.9	19.6	20.1
	4H	18.5	19.1	18.9	19.5	20.0	18.5	19.1	18.9	19.5	20.0
	6H	18.4	19.0	18.9	19.4	19.9	18.4	19.0	18.9	19.4	19.9
	8H	18.4	18.9	18.9	19.4	19.8	18.4	18.9	18.9	19.4	19.8
	12H	18.5	18.8	19.0	19.3	19.8	18.5	18.8	19.0	19.3	19.8
8H	4H	18.4	18.9	18.9	19.3	19.8	18.4	18.9	18.9	19.3	19.8
	6H	18.4	18.7	18.9	19.2	19.7	18.4	18.7	18.9	19.2	19.7
	8H	18.3	18.7	18.8	19.1	19.7	18.3	18.7	18.8	19.1	19.7
	12H	18.3	18.6	18.8	19.1	19.6	18.3	18.6	18.8	19.1	19.6
12H	4H	18.4	18.8	18.9	19.2	19.7	18.4	18.8	18.9	19.2	19.7
	6H	18.3	18.6	18.9	19.1	19.7	18.3	18.6	18.9	19.1	19.7
	8H	18.3	18.6	18.8	19.1	19.6	18.3	18.6	18.8	19.1	19.6

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/m ²
45,0°	20717.9
50,0°	11510.4
55,0°	7825.6
60,0°	6116.7
65,0°	5369.3
70,0°	5048.2
75,0°	4382.7
80,0°	3691.4
85,0°	3395.0

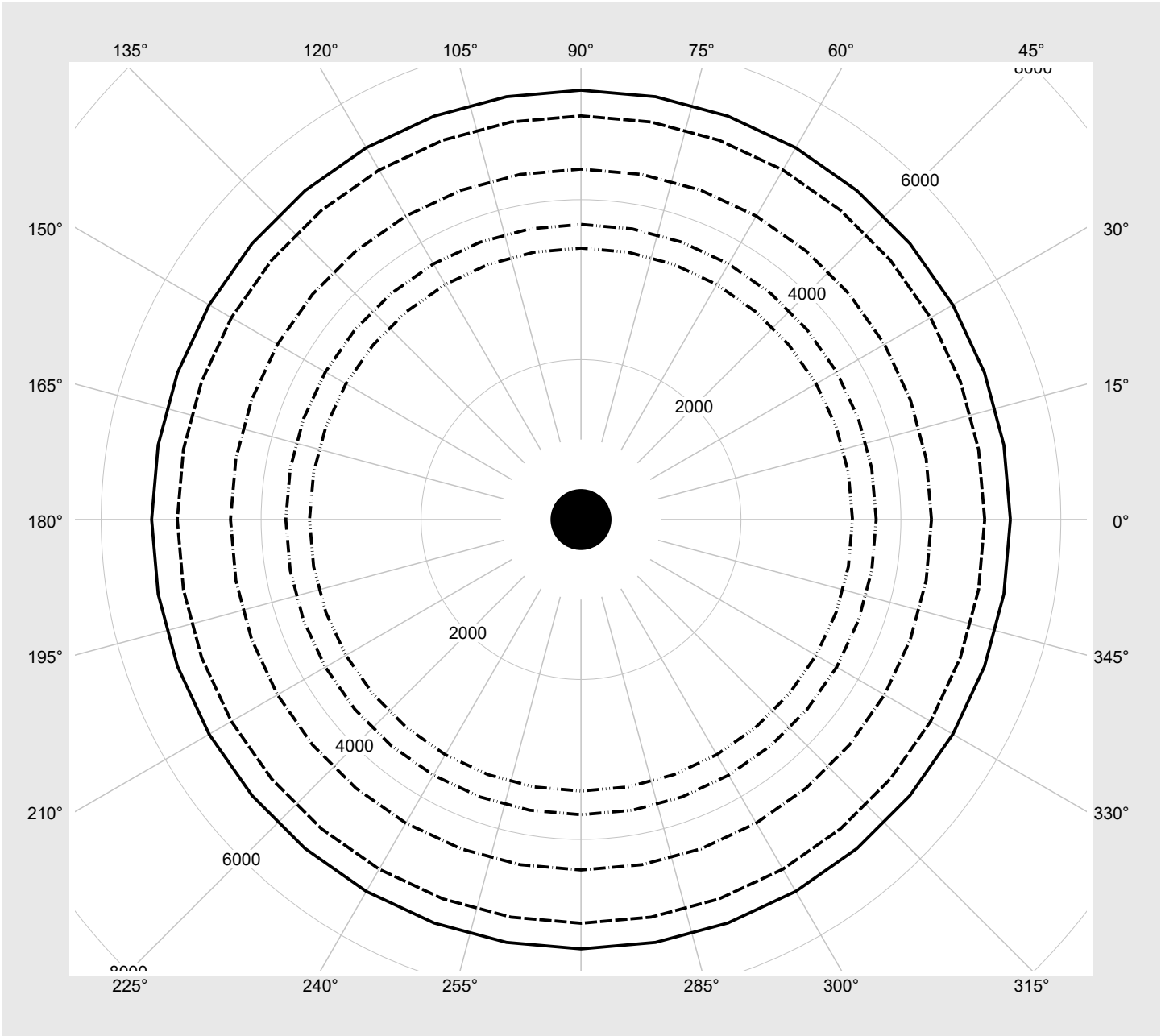
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Luminance values in cd/m²

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	3500	28.1
10	ON	OFF	ON	OFF	3280	25.9
9	ON	OFF	OFF	ON	3060	23.8
8	ON	OFF	OFF	OFF	2830	21.7
7	OFF	ON	ON	ON	2600	19.8
6	OFF	ON	ON	OFF	2360	17.7
5	OFF	ON	OFF	ON	2120	15.7
4	OFF	ON	OFF	OFF	1870	13.8
3	OFF	OFF	ON	ON	1610	11.7
2	OFF	OFF	ON	OFF	1350	9.9
1	OFF	OFF	OFF	ON	1090	8.1
0	OFF	OFF	OFF	OFF	810	6.2