

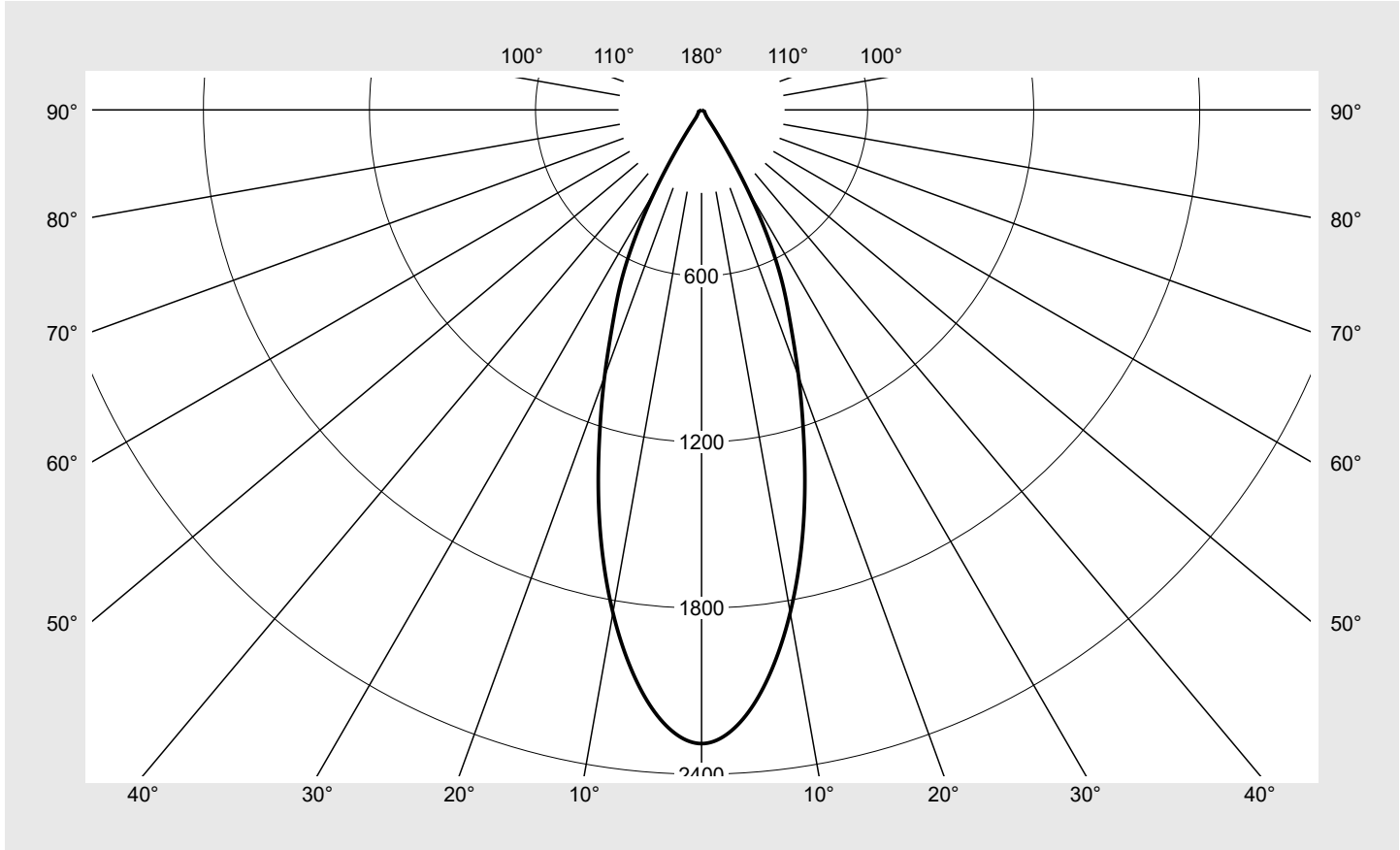


Photometric test report

Family Spot 21 Standard	Order number: 51SE13DB11C2C EAN: 4069025446985	LP number 59929_33										
	<table border="0"> <tr> <td>Version</td> <td>housing, white, reflector, cover glass, transparent, medium distribution</td> </tr> <tr> <td>Lamps</td> <td>LED 3500 K CRI ≥ 90</td> </tr> <tr> <td>Controlgear</td> <td>ECG-DALI-Multilumen</td> </tr> <tr> <td>Setting</td> <td>factory setting: DIP-Step=7</td> </tr> <tr> <td>Rated values</td> <td> Net luminous flux = 3000 lm Power consumption = 19.8 W Luminous efficacy = 151.5 lm/W </td> </tr> </table>	Version	housing, white, 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 = 3000 lm Power consumption = 19.8 W Luminous efficacy = 151.5 lm/W	serial documentation 11.05.2026 
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Luminous intensity in cd/klm C180-0 **Imax: 2290 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=96 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°	2289.5	3.4	3.4
2,5°	2252.9	26.9	30.4
5,0°	2156.9	51.5	81.9
7,5°	2016.0	72.1	154.0
10,0°	1844.4	87.8	241.8
12,5°	1650.3	97.9	339.8
15,0°	1440.1	102.2	441.9
17,5°	1224.6	100.9	542.9
20,0°	1024.7	96.1	639.0
22,5°	841.7	88.3	727.2
25,0°	691.4	80.1	807.3
27,5°	518.9	65.7	873.0
30,0°	329.4	45.2	918.2
32,5°	151.6	22.3	940.5
35,0°	46.4	7.3	947.8
37,5°	28.4	4.7	952.6
40,0°	23.2	4.1	956.6
42,5°	20.2	3.7	960.4
45,0°	18.0	3.5	963.9
47,5°	16.3	3.3	967.1
50,0°	15.1	3.2	970.3
52,5°	14.3	3.1	973.4
55,0°	13.6	3.1	976.5
57,5°	13.0	3.0	979.5
60,0°	12.3	2.9	982.5
62,5°	11.6	2.8	985.3
65,0°	10.9	2.7	988.0
67,5°	9.9	2.5	990.5
70,0°	8.9	2.3	992.8
72,5°	7.7	2.0	994.8
75,0°	6.2	1.6	996.5
77,5°	4.8	1.3	997.8
80,0°	3.6	1.0	998.7
82,5°	2.5	0.7	999.4
85,0°	1.5	0.4	999.8
87,5°	0.6	0.2	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	15.7	16.7	16.0	17.0	17.3	15.7	16.7	16.0	17.0	17.3
	3H	16.9	17.8	17.2	18.1	18.5	16.9	17.8	17.2	18.1	18.5
	4H	17.4	18.2	17.8	18.6	19.0	17.4	18.2	17.8	18.6	19.0
	6H	17.7	18.5	18.2	18.9	19.3	17.7	18.5	18.2	18.9	19.3
	8H	18.0	18.6	18.4	19.0	19.4	18.0	18.6	18.4	19.0	19.4
	12H	18.1	18.6	18.5	19.0	19.4	18.1	18.6	18.5	19.0	19.4
4H	2H	16.0	16.9	16.4	17.2	17.6	16.0	16.9	16.4	17.2	17.6
	3H	17.5	18.2	17.9	18.5	19.0	17.5	18.2	17.9	18.5	19.0
	4H	18.1	18.7	18.6	19.1	19.6	18.1	18.7	18.6	19.1	19.6
	6H	18.6	19.1	19.0	19.5	20.0	18.6	19.1	19.0	19.5	20.0
	8H	18.8	19.2	19.2	19.6	20.1	18.8	19.2	19.2	19.6	20.1
	12H	18.9	19.2	19.4	19.7	20.2	18.9	19.2	19.4	19.7	20.2
8H	4H	18.4	18.8	18.8	19.2	19.7	18.4	18.8	18.8	19.2	19.7
	6H	18.9	19.3	19.4	19.8	20.3	18.9	19.3	19.4	19.8	20.3
	8H	19.1	19.4	19.6	19.9	20.5	19.1	19.4	19.6	19.9	20.5
	12H	19.3	19.5	19.8	20.0	20.6	19.3	19.5	19.8	20.0	20.6
12H	4H	18.4	18.7	18.9	19.2	19.7	18.4	18.7	18.9	19.2	19.7
	6H	19.0	19.2	19.5	19.7	20.3	19.0	19.2	19.5	19.7	20.3
	8H	19.2	19.4	19.7	19.9	20.5	19.2	19.4	19.7	19.9	20.5

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/m ²
45,0°	14426.2
50,0°	13387.3
55,0°	13512.1
60,0°	14018.9
65,0°	14698.5
70,0°	14828.8
75,0°	13652.0
80,0°	11813.0
85,0°	9809.4

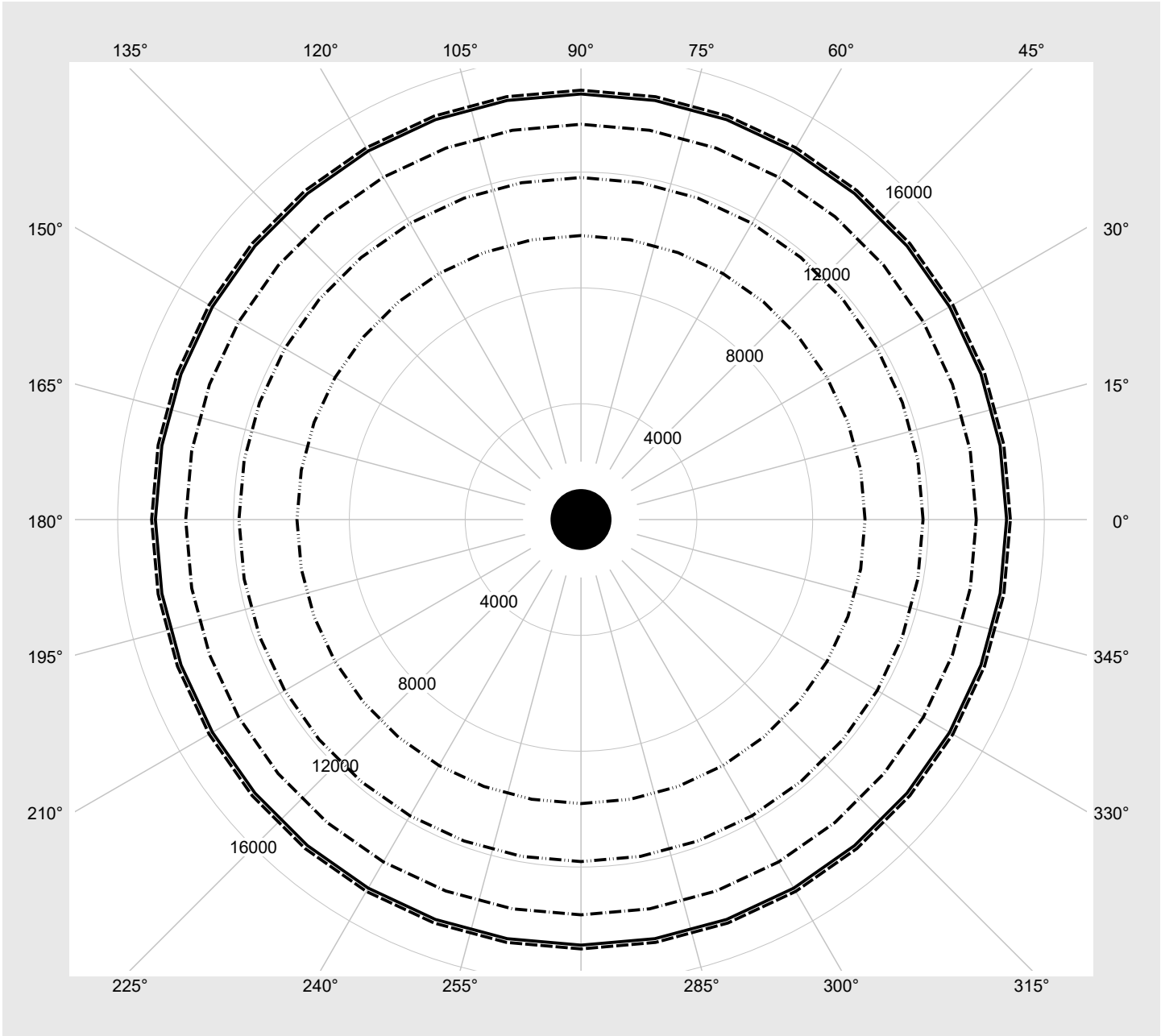
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



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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	4050	28.1
10	ON	OFF	ON	OFF	3800	25.9
9	ON	OFF	OFF	ON	3540	23.8
8	ON	OFF	OFF	OFF	3270	21.7
7	OFF	ON	ON	ON	3000	19.8
6	OFF	ON	ON	OFF	2730	17.7
5	OFF	ON	OFF	ON	2450	15.7
4	OFF	ON	OFF	OFF	2160	13.8
3	OFF	OFF	ON	ON	1870	11.7
2	OFF	OFF	ON	OFF	1570	9.9
1	OFF	OFF	OFF	ON	1250	8.1
0	OFF	OFF	OFF	OFF	940	6.2