

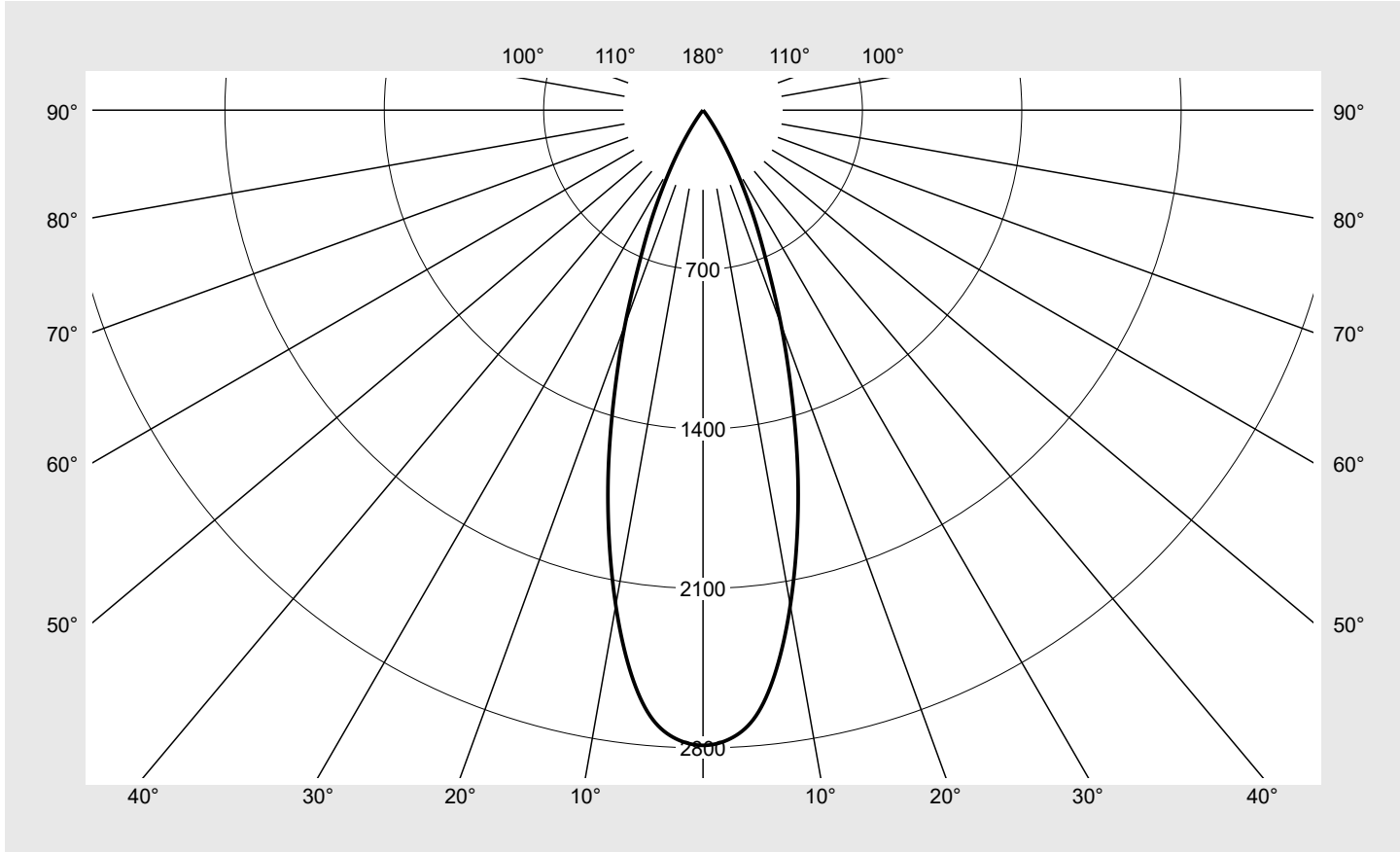


Photometric test report

Family Spot 21 Performance	Order number: 51SD63DB11D3B EAN: 4069025539076	LP number 59947_12										
	<table border="0"> <tr> <td>Version</td> <td>housing, white aluminium, reflector, cover glass, transparent, medium distribution</td> </tr> <tr> <td>Lamps</td> <td>LED 4000 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 = 3050 lm Power consumption = 20.4 W Luminous efficacy = 149.5 lm/W</td> </tr> </table>	Version	housing, white aluminium, reflector, cover glass, transparent, medium distribution	Lamps	LED 4000 K CRI ≥ 90	Controlgear	ECG-DALI-Multilumen	Setting	factory setting: DIP-Step=7	Rated values	Net luminous flux = 3050 lm Power consumption = 20.4 W Luminous efficacy = 149.5 lm/W	serial documentation 11.05.2026 
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Luminous intensity in cd/klm C180-0 **Imax: 2789 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=98 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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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°	2788.8	4.2	4.2
2,5°	2761.7	33.0	37.2
5,0°	2669.2	63.8	101.0
7,5°	2473.6	88.5	189.5
10,0°	2207.5	105.1	294.6
12,5°	1910.1	113.3	407.9
15,0°	1602.2	113.7	521.6
17,5°	1286.8	106.1	627.6
20,0°	1001.4	93.9	721.5
22,5°	740.7	77.7	799.2
25,0°	547.9	63.5	862.7
27,5°	378.7	47.9	910.6
30,0°	246.7	33.8	944.5
32,5°	137.4	20.2	964.7
35,0°	59.8	9.4	974.1
37,5°	19.1	3.2	977.3
40,0°	13.3	2.3	979.6
42,5°	10.8	2.0	981.6
45,0°	9.2	1.8	983.4
47,5°	8.0	1.6	985.0
50,0°	7.2	1.5	986.6
52,5°	6.6	1.4	988.0
55,0°	6.3	1.4	989.4
57,5°	6.0	1.4	990.8
60,0°	5.7	1.4	992.2
62,5°	5.3	1.3	993.5
65,0°	4.9	1.2	994.7
67,5°	4.4	1.1	995.8
70,0°	3.9	1.0	996.8
72,5°	3.4	0.9	997.7
75,0°	2.7	0.7	998.4
77,5°	2.1	0.6	999.0
80,0°	1.6	0.4	999.4
82,5°	1.1	0.3	999.7
85,0°	0.7	0.2	999.9
87,5°	0.3	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	13.6	14.6	13.9	14.9	15.2	13.6	14.6	13.9	14.9	15.2
	3H	14.0	14.8	14.3	15.2	15.5	14.0	14.8	14.3	15.2	15.5
	4H	14.2	14.9	14.6	15.3	15.7	14.2	14.9	14.6	15.3	15.7
	6H	14.3	15.0	14.7	15.4	15.8	14.3	15.0	14.7	15.4	15.8
	8H	14.5	15.0	14.9	15.4	15.8	14.5	15.0	14.9	15.4	15.8
	12H	14.5	15.0	14.9	15.4	15.8	14.5	15.0	14.9	15.4	15.8
4H	2H	13.6	14.3	14.0	14.7	15.1	13.6	14.3	14.0	14.7	15.1
	3H	14.1	14.8	14.5	15.1	15.6	14.1	14.8	14.5	15.1	15.6
	4H	14.4	15.0	14.9	15.4	15.8	14.4	15.0	14.9	15.4	15.8
	6H	14.6	15.1	15.1	15.6	16.0	14.6	15.1	15.1	15.6	16.0
	8H	14.8	15.1	15.2	15.6	16.1	14.8	15.1	15.2	15.6	16.1
	12H	14.8	15.1	15.3	15.6	16.1	14.8	15.1	15.3	15.6	16.1
8H	4H	14.5	14.9	15.0	15.3	15.8	14.5	14.9	15.0	15.3	15.8
	6H	14.8	15.1	15.3	15.6	16.1	14.8	15.1	15.3	15.6	16.1
	8H	14.9	15.2	15.4	15.7	16.2	14.9	15.2	15.4	15.7	16.2
	12H	15.0	15.2	15.5	15.7	16.3	15.0	15.2	15.5	15.7	16.3
12H	4H	14.5	14.8	15.0	15.3	15.8	14.5	14.8	15.0	15.3	15.8
	6H	14.8	15.1	15.3	15.6	16.1	14.8	15.1	15.3	15.6	16.1
	8H	14.9	15.1	15.5	15.7	16.2	14.9	15.1	15.5	15.7	16.2

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°	7543.6
50,0°	6494.3
55,0°	6368.7
60,0°	6609.4
65,0°	6722.2
70,0°	6610.9
75,0°	6049.4
80,0°	5341.4
85,0°	4658.5

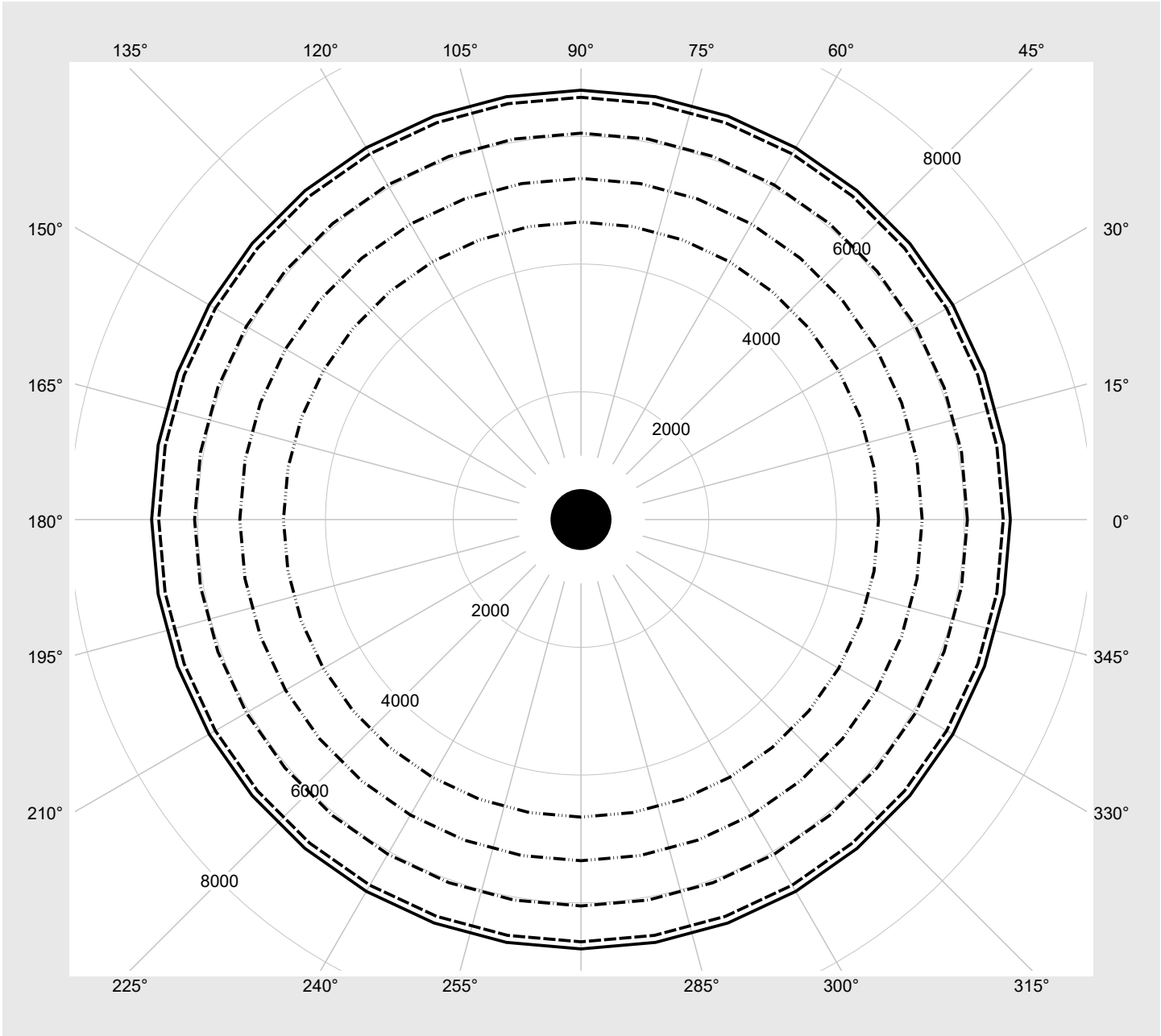
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Luminance values in cd/m²

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	4190	28.6
10	ON	OFF	ON	OFF	3910	26.4
9	ON	OFF	OFF	ON	3630	24.4
8	ON	OFF	OFF	OFF	3340	22.3
7	OFF	ON	ON	ON	3050	20.4
6	OFF	ON	ON	OFF	2760	18.3
5	OFF	ON	OFF	ON	2470	16.2
4	OFF	ON	OFF	OFF	2170	14.3
3	OFF	OFF	ON	ON	1860	12.2
2	OFF	OFF	ON	OFF	1550	10.4
1	OFF	OFF	OFF	ON	1240	8.5
0	OFF	OFF	OFF	OFF	920	6.6