

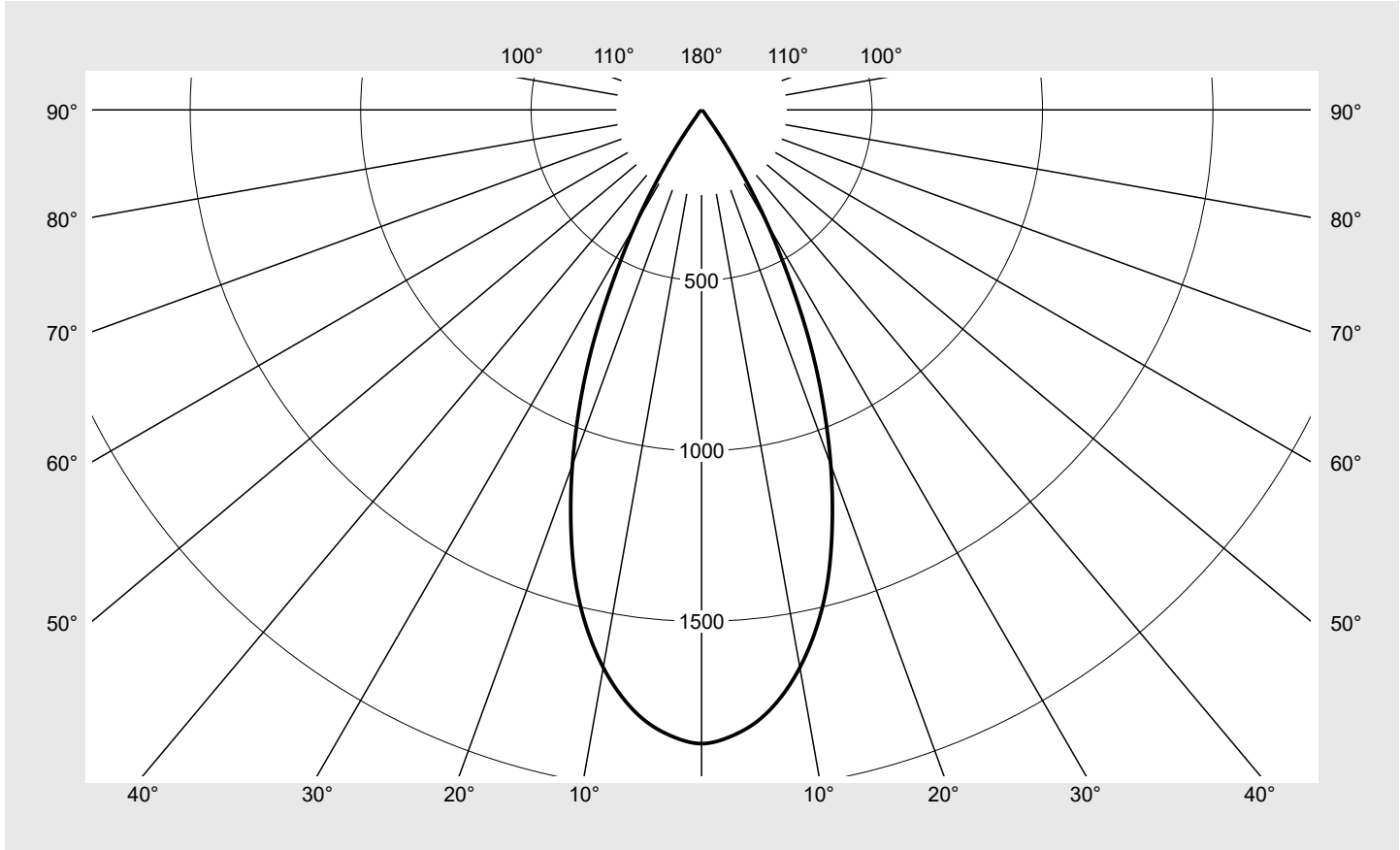


Photometric test report

Family Spot 21 Performance	Order number: 51SD64DB11C3B EAN: 4069025539236	LP number 59948_11										
	<table border="0"> <tr> <td>Version</td> <td>housing, white aluminium, reflector, cover glass, transparent, wide 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 = 3030 lm Power consumption = 20.4 W Luminous efficacy = 148.5 lm/W </td> </tr> </table>	Version	housing, white aluminium, reflector, cover glass, transparent, wide distribution	Lamps	LED 3500 K CRI ≥ 90	Controlgear	ECG-DALI-Multilumen	Setting	factory setting: DIP-Step=7	Rated values	Net luminous flux = 3030 lm Power consumption = 20.4 W Luminous efficacy = 148.5 lm/W	serial documentation 11.05.2026 
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Lamps	LED 3500 K CRI ≥ 90											
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Luminous intensity in cd/klm C180-0 **Imax: 1859 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°	1858.6	2.8	2.8
2,5°	1841.5	22.0	24.8
5,0°	1804.7	43.1	67.9
7,5°	1743.8	62.4	130.3
10,0°	1660.5	79.0	209.4
12,5°	1556.2	92.3	301.7
15,0°	1429.5	101.4	403.1
17,5°	1274.7	105.1	508.2
20,0°	1107.9	103.9	612.1
22,5°	931.2	97.7	709.8
25,0°	748.7	86.7	796.5
27,5°	554.4	70.2	866.7
30,0°	386.1	52.9	919.6
32,5°	229.0	33.7	953.3
35,0°	104.0	16.3	969.7
37,5°	34.4	5.7	975.4
40,0°	18.5	3.3	978.7
42,5°	13.9	2.6	981.3
45,0°	11.2	2.2	983.4
47,5°	9.3	1.9	985.3
50,0°	8.1	1.7	987.0
52,5°	7.3	1.6	988.6
55,0°	6.6	1.5	990.1
57,5°	6.0	1.4	991.5
60,0°	5.5	1.3	992.8
62,5°	5.1	1.2	994.1
65,0°	4.6	1.1	995.2
67,5°	4.1	1.0	996.2
70,0°	3.6	0.9	997.2
72,5°	3.1	0.8	998.0
75,0°	2.4	0.6	998.6
77,5°	1.9	0.5	999.1
80,0°	1.4	0.4	999.5
82,5°	1.0	0.3	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	16.6	17.6	16.9	17.9	18.2	16.6	17.6	16.9	17.9	18.2
	3H	16.6	17.5	17.0	17.9	18.2	16.6	17.5	17.0	17.9	18.2
	4H	16.6	17.5	17.0	17.8	18.2	16.6	17.5	17.0	17.8	18.2
	6H	16.6	17.4	17.1	17.8	18.1	16.6	17.4	17.1	17.8	18.1
	8H	16.8	17.3	17.2	17.7	18.1	16.8	17.3	17.2	17.7	18.1
	12H	16.8	17.3	17.2	17.7	18.1	16.8	17.3	17.2	17.7	18.1
4H	2H	16.4	17.2	16.8	17.6	18.0	16.4	17.2	16.8	17.6	18.0
	3H	16.5	17.2	16.9	17.6	18.0	16.5	17.2	16.9	17.6	18.0
	4H	16.6	17.2	17.0	17.6	18.0	16.6	17.2	17.0	17.6	18.0
	6H	16.6	17.1	17.1	17.6	18.0	16.6	17.1	17.1	17.6	18.0
	8H	16.6	17.1	17.1	17.5	18.0	16.6	17.1	17.1	17.5	18.0
	12H	16.7	17.0	17.2	17.5	18.0	16.7	17.0	17.2	17.5	18.0
8H	4H	16.5	17.0	17.0	17.4	17.9	16.5	17.0	17.0	17.4	17.9
	6H	16.6	16.9	17.1	17.4	17.9	16.6	16.9	17.1	17.4	17.9
	8H	16.6	16.9	17.1	17.4	17.9	16.6	16.9	17.1	17.4	17.9
	12H	16.6	16.9	17.2	17.4	17.9	16.6	16.9	17.2	17.4	17.9
12H	4H	16.5	16.9	17.0	17.3	17.8	16.5	16.9	17.0	17.3	17.8
	6H	16.6	16.9	17.1	17.3	17.9	16.6	16.9	17.1	17.3	17.9
	8H	16.6	16.8	17.1	17.3	17.9	16.6	16.8	17.1	17.3	17.9

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°	9111.3
50,0°	7248.8
55,0°	6619.0
60,0°	6327.3
65,0°	6261.3
70,0°	6054.2
75,0°	5333.6
80,0°	4639.0
85,0°	3963.0

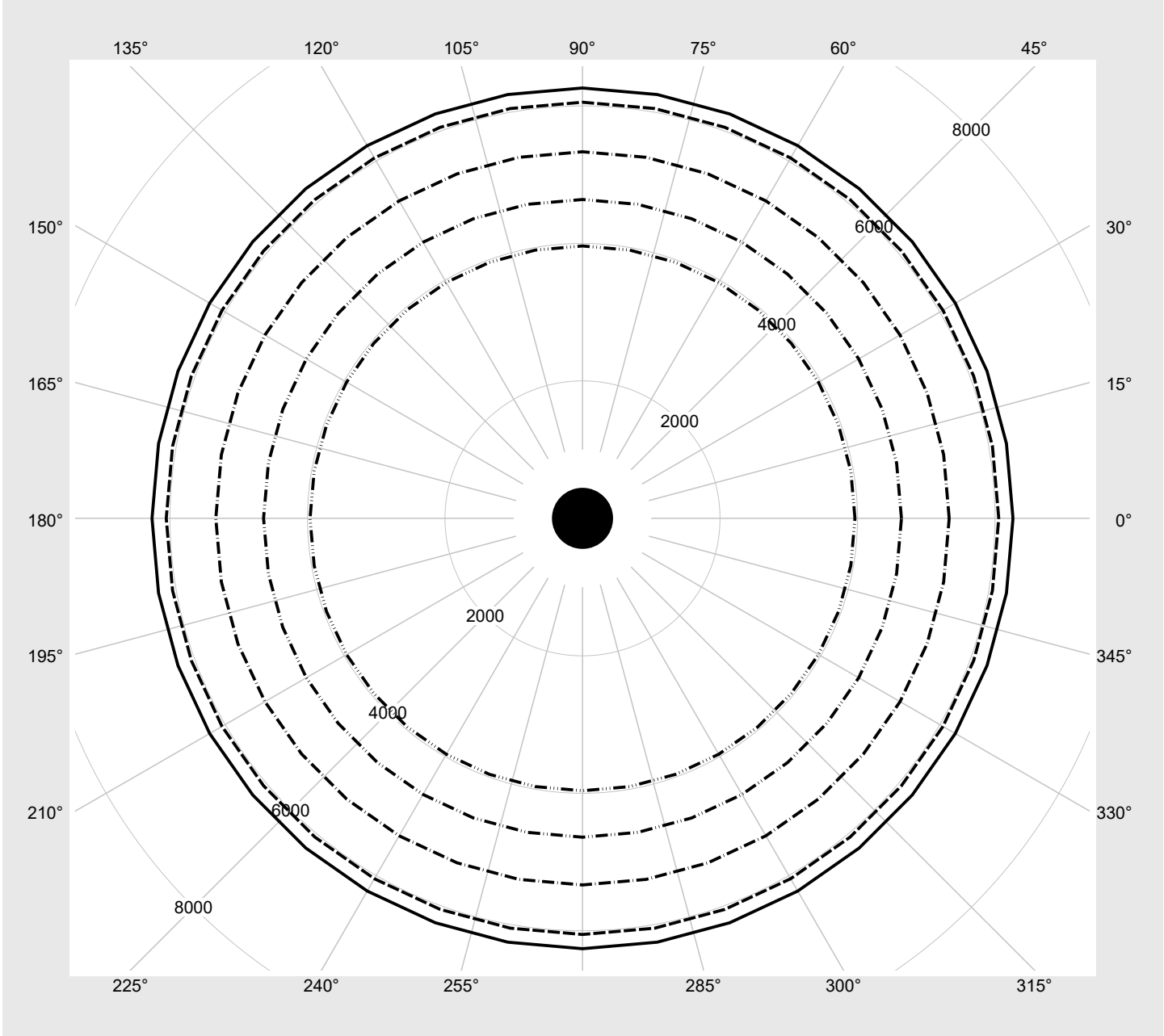
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Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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Multilumen Table	environmental temperature: 25°C	
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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
11	ON	OFF	ON	ON	4150	28.6
10	ON	OFF	ON	OFF	3870	26.4
9	ON	OFF	OFF	ON	3590	24.4
8	ON	OFF	OFF	OFF	3310	22.3
7	OFF	ON	ON	ON	3030	20.4
6	OFF	ON	ON	OFF	2740	18.3
5	OFF	ON	OFF	ON	2440	16.2
4	OFF	ON	OFF	OFF	2140	14.3
3	OFF	OFF	ON	ON	1840	12.2
2	OFF	OFF	ON	OFF	1540	10.4
1	OFF	OFF	OFF	ON	1230	8.5
0	OFF	OFF	OFF	OFF	920	6.6