

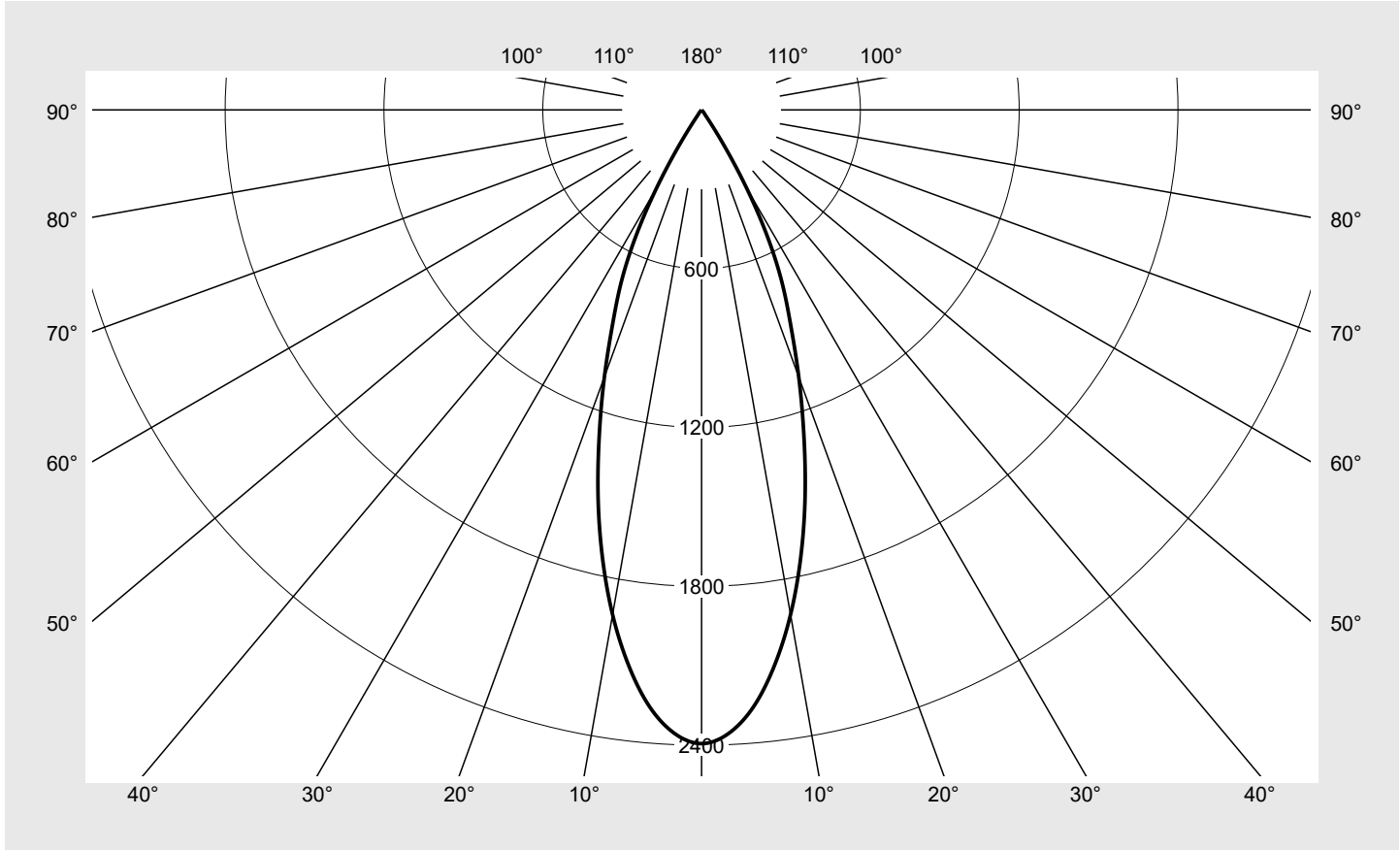


Photometric test report

Family Spot 21 Standard	Order number: 51SE33DB11B2C EAN: 4069025447463	LP number 59933_31										
	<table border="0"> <tr> <td>Version</td> <td>housing, black, reflector, cover glass, transparent, medium distribution</td> </tr> <tr> <td>Lamps</td> <td>LED 3000 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 = 2790 lm Power consumption = 19.8 W Luminous efficacy = 140.9 lm/W</td> </tr> </table>	Version	housing, black, reflector, cover glass, transparent, medium distribution	Lamps	LED 3000 K CRI ≥ 90	Controlgear	ECG-DALI-Multilumen	Setting	factory setting: DIP-Step=7	Rated values	Net luminous flux = 2790 lm Power consumption = 19.8 W Luminous efficacy = 140.9 lm/W	serial documentation 11.05.2026 
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Luminous intensity in cd/klm C180-0 **Imax: 2394 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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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°	2394.0	3.6	3.6
2,5°	2357.4	28.2	31.8
5,0°	2262.2	54.0	85.8
7,5°	2115.3	75.7	161.5
10,0°	1936.2	92.2	253.7
12,5°	1731.2	102.7	356.4
15,0°	1511.2	107.2	463.6
17,5°	1284.7	105.9	569.5
20,0°	1073.6	100.7	670.2
22,5°	880.1	92.3	762.5
25,0°	718.6	83.3	845.8
27,5°	537.0	68.0	913.7
30,0°	335.8	46.0	959.8
32,5°	147.9	21.8	981.5
35,0°	37.2	5.9	987.4
37,5°	18.1	3.0	990.4
40,0°	12.3	2.2	992.6
42,5°	9.0	1.7	994.3
45,0°	6.5	1.3	995.5
47,5°	4.7	1.0	996.5
50,0°	3.6	0.8	997.2
52,5°	2.8	0.6	997.8
55,0°	2.2	0.5	998.3
57,5°	1.8	0.4	998.8
60,0°	1.4	0.3	999.1
62,5°	1.1	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									
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	12.8	13.8	13.2	14.1	14.5	12.8	13.8	13.2	14.1	14.5
	3H	12.7	13.5	13.1	13.9	14.2	12.7	13.5	13.1	13.9	14.2
	4H	12.6	13.4	13.0	13.7	14.1	12.6	13.4	13.0	13.7	14.1
	6H	12.5	13.2	12.9	13.6	14.0	12.5	13.2	12.9	13.6	14.0
	8H	12.6	13.1	13.0	13.5	13.9	12.6	13.1	13.0	13.5	13.9
	12H	12.5	13.0	13.0	13.4	13.8	12.5	13.0	13.0	13.4	13.8
4H	2H	12.6	13.4	13.0	13.7	14.1	12.6	13.4	13.0	13.7	14.1
	3H	12.4	13.0	12.8	13.4	13.8	12.4	13.0	12.8	13.4	13.8
	4H	12.3	12.8	12.7	13.2	13.7	12.3	12.8	12.7	13.2	13.7
	6H	12.1	12.6	12.6	13.1	13.5	12.1	12.6	12.6	13.1	13.5
	8H	12.1	12.5	12.6	13.0	13.5	12.1	12.5	12.6	13.0	13.5
	12H	12.1	12.4	12.6	12.9	13.4	12.1	12.4	12.6	12.9	13.4
8H	4H	12.1	12.5	12.6	13.0	13.5	12.1	12.5	12.6	13.0	13.5
	6H	12.0	12.3	12.5	12.8	13.3	12.0	12.3	12.5	12.8	13.3
	8H	11.9	12.2	12.4	12.7	13.2	11.9	12.2	12.4	12.7	13.2
	12H	11.8	12.1	12.4	12.6	13.1	11.8	12.1	12.4	12.6	13.1
12H	4H	12.1	12.4	12.6	12.9	13.4	12.1	12.4	12.6	12.9	13.4
	6H	11.9	12.2	12.5	12.7	13.2	11.9	12.2	12.5	12.7	13.2
	8H	11.8	12.1	12.4	12.6	13.1	11.8	12.1	12.4	12.6	13.1

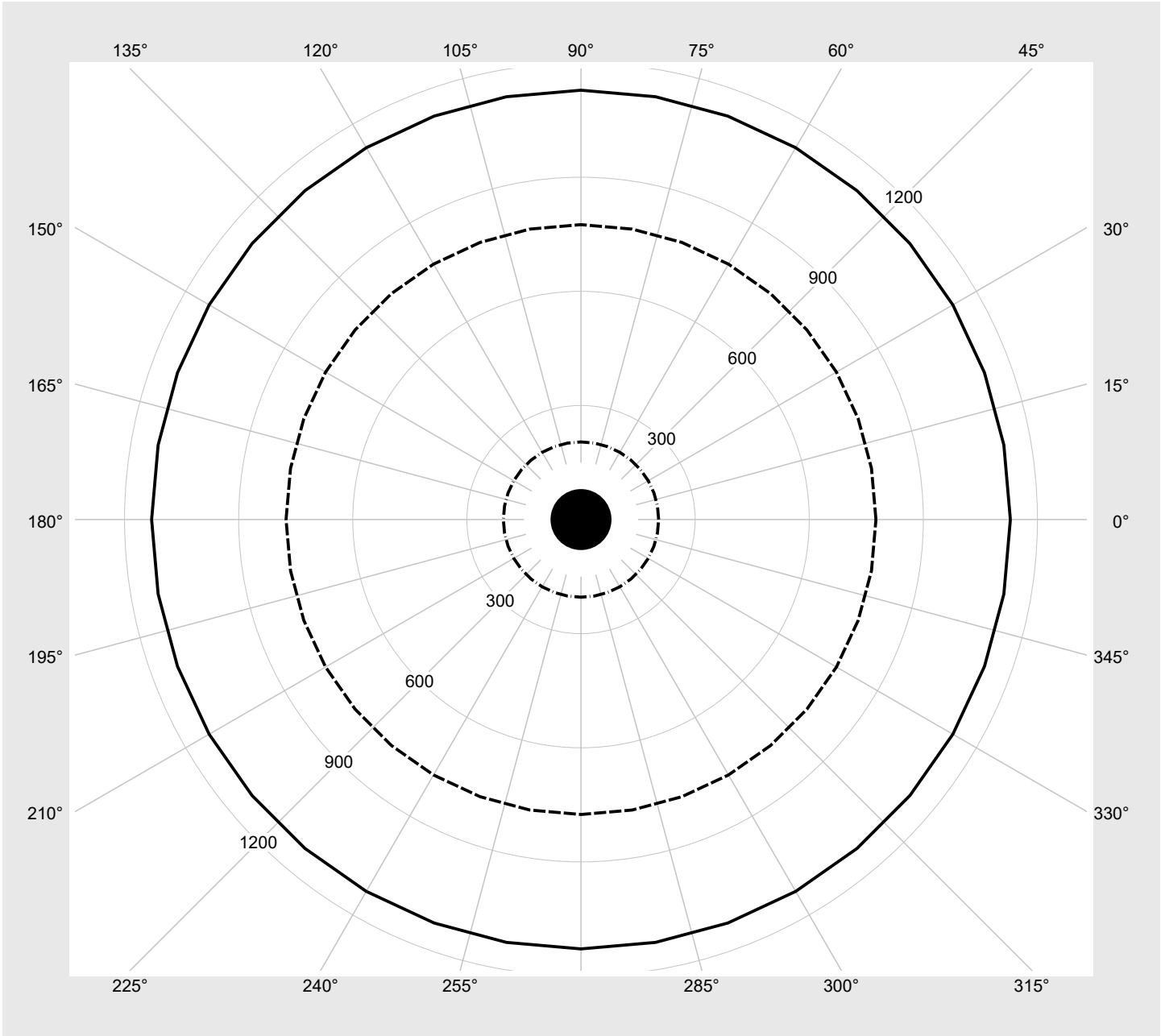
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
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C-planes	0°
γ	Luminance in cd/m ²
45,0°	4872.8
50,0°	2968.7
55,0°	2032.8
60,0°	1484.5
65,0°	1128.8
70,0°	775.4
75,0°	204.1
80,0°	0.0
85,0°	0.0

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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	3760	28.1
10	ON	OFF	ON	OFF	3530	25.9
9	ON	OFF	OFF	ON	3290	23.8
8	ON	OFF	OFF	OFF	3040	21.7
7	OFF	ON	ON	ON	2790	19.8
6	OFF	ON	ON	OFF	2530	17.7
5	OFF	ON	OFF	ON	2270	15.7
4	OFF	ON	OFF	OFF	2010	13.8
3	OFF	OFF	ON	ON	1730	11.7
2	OFF	OFF	ON	OFF	1450	9.9
1	OFF	OFF	OFF	ON	1170	8.1
0	OFF	OFF	OFF	OFF	870	6.2