

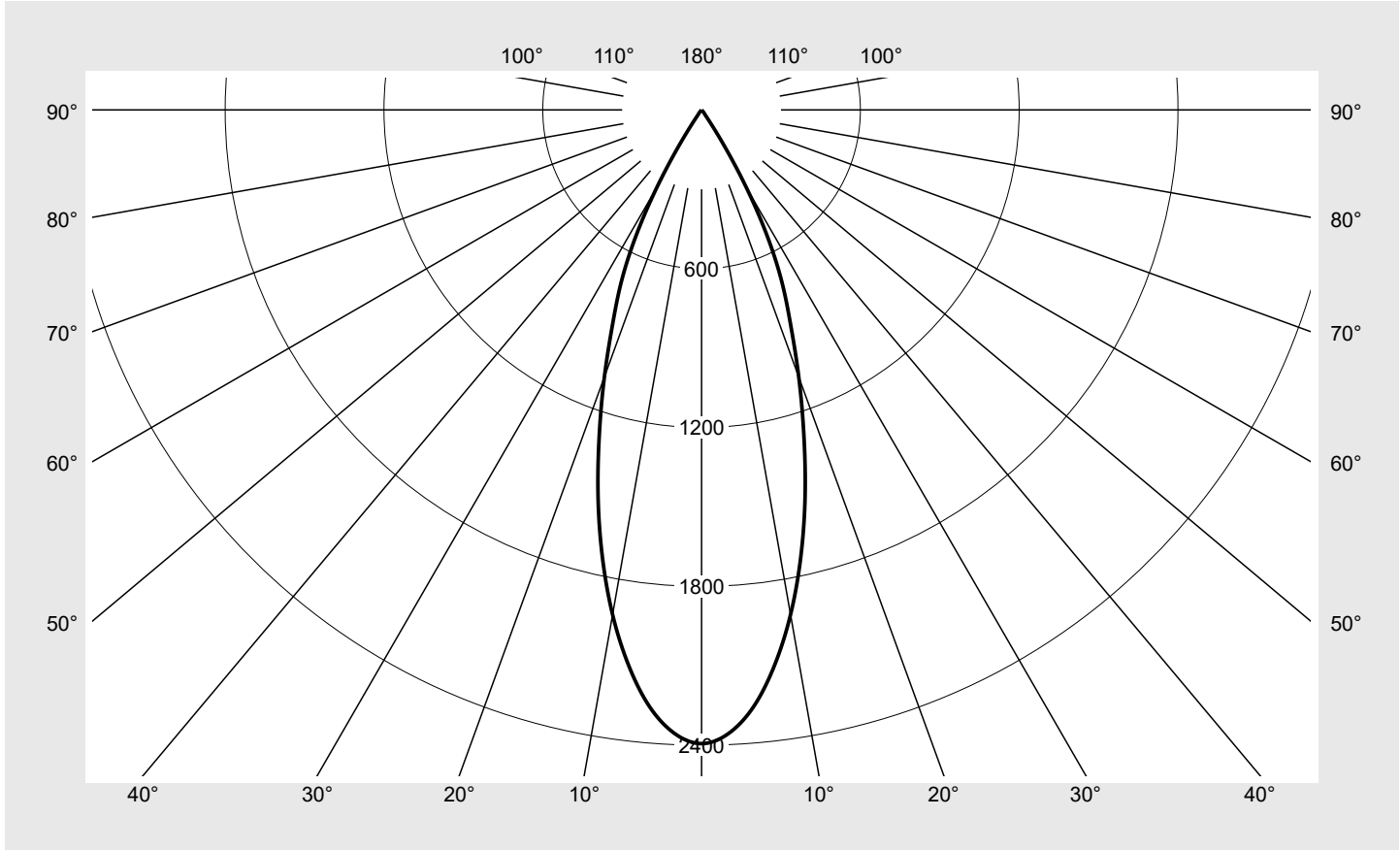


Photometric test report

Family Spot 21 Standard	Order number: 51SE33DB11D2C EAN: 4069025447487	LP number 59933_33										
	<table border="0"> <tr> <td>Version</td> <td>housing, black, 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 = 2890 lm Power consumption = 19.8 W Luminous efficacy = 146 lm/W</td> </tr> </table>	Version	housing, black, 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 = 2890 lm Power consumption = 19.8 W Luminous efficacy = 146 lm/W	serial documentation 11.05.2026 
Version	housing, black, reflector, cover glass, transparent, medium distribution											
Lamps	LED 4000 K CRI ≥ 90											
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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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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	12.9	13.9	13.3	14.3	14.6	12.9	13.9	13.3	14.3	14.6
	3H	12.8	13.7	13.2	14.0	14.3	12.8	13.7	13.2	14.0	14.3
	4H	12.7	13.5	13.1	13.8	14.2	12.7	13.5	13.1	13.8	14.2
	6H	12.6	13.3	13.0	13.7	14.1	12.6	13.3	13.0	13.7	14.1
	8H	12.7	13.2	13.2	13.6	14.0	12.7	13.2	13.2	13.6	14.0
	12H	12.7	13.1	13.1	13.5	13.9	12.7	13.1	13.1	13.5	13.9
4H	2H	12.7	13.5	13.1	13.8	14.2	12.7	13.5	13.1	13.8	14.2
	3H	12.5	13.1	12.9	13.5	14.0	12.5	13.1	12.9	13.5	14.0
	4H	12.4	13.0	12.8	13.4	13.8	12.4	13.0	12.8	13.4	13.8
	6H	12.2	12.7	12.7	13.2	13.7	12.2	12.7	12.7	13.2	13.7
	8H	12.2	12.6	12.7	13.1	13.6	12.2	12.6	12.7	13.1	13.6
	12H	12.2	12.5	12.7	13.0	13.5	12.2	12.5	12.7	13.0	13.5
8H	4H	12.2	12.6	12.7	13.1	13.6	12.2	12.6	12.7	13.1	13.6
	6H	12.1	12.4	12.6	12.9	13.4	12.1	12.4	12.6	12.9	13.4
	8H	12.0	12.3	12.5	12.8	13.3	12.0	12.3	12.5	12.8	13.3
	12H	12.0	12.2	12.5	12.7	13.3	12.0	12.2	12.5	12.7	13.3
12H	4H	12.2	12.5	12.7	13.0	13.5	12.2	12.5	12.7	13.0	13.5
	6H	12.1	12.3	12.6	12.8	13.3	12.1	12.3	12.6	12.8	13.3
	8H	12.0	12.2	12.5	12.7	13.3	12.0	12.2	12.5	12.7	13.3

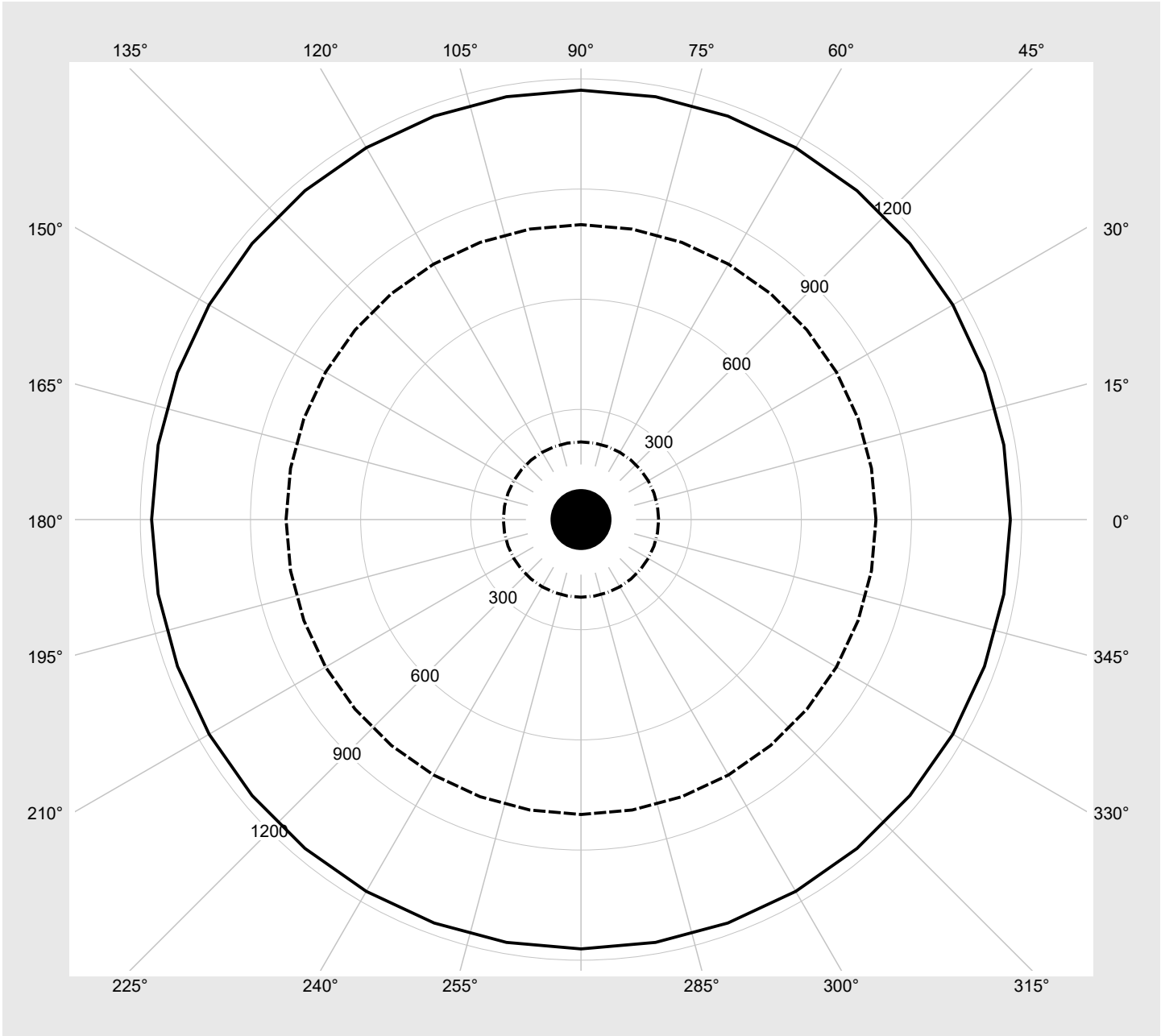
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
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C-planes	0°
γ	Luminance in cd/m ²
45,0°	5047.5
50,0°	3075.1
55,0°	2105.7
60,0°	1537.8
65,0°	1169.3
70,0°	803.2
75,0°	211.4
80,0°	0.0
85,0°	0.0

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **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	3890	28.1
10	ON	OFF	ON	OFF	3650	25.9
9	ON	OFF	OFF	ON	3400	23.8
8	ON	OFF	OFF	OFF	3150	21.7
7	OFF	ON	ON	ON	2890	19.8
6	OFF	ON	ON	OFF	2620	17.7
5	OFF	ON	OFF	ON	2350	15.7
4	OFF	ON	OFF	OFF	2070	13.8
3	OFF	OFF	ON	ON	1790	11.7
2	OFF	OFF	ON	OFF	1500	9.9
1	OFF	OFF	OFF	ON	1210	8.1
0	OFF	OFF	OFF	OFF	900	6.2