

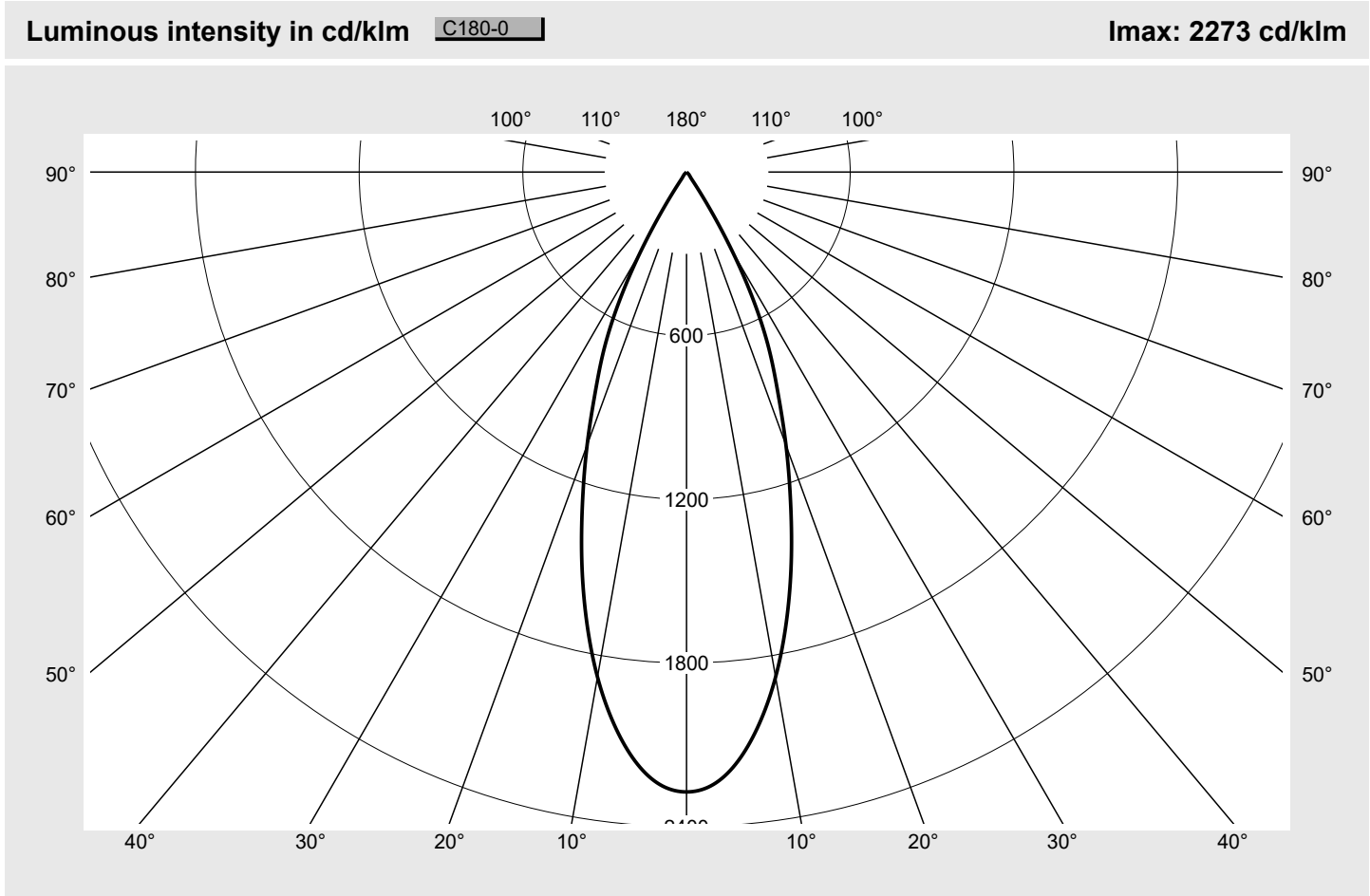


Photometric test report

Family Spot 21 Standard	Order number: 51SE63DB11A2C EAN: 4069025447944	LP number 59936_29										
	<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 2700 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 = 2670 lm Power consumption = 19.8 W Luminous efficacy = 134.8 lm/W </td> </tr> </table>	Version	housing, white aluminium, reflector, cover glass, transparent, medium distribution	Lamps	LED 2700 K CRI ≥ 90	Controlgear	ECG-DALI-Multilumen	Setting	factory setting: DIP-Step=7	Rated values	Net luminous flux = 2670 lm Power consumption = 19.8 W Luminous efficacy = 134.8 lm/W	serial documentation 11.05.2026 
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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°	2272.8	3.4	3.4
2,5°	2247.7	26.9	30.3
5,0°	2167.7	51.8	82.1
7,5°	2040.8	73.0	155.1
10,0°	1880.0	89.5	244.6
12,5°	1690.1	100.3	344.9
15,0°	1482.7	105.2	450.1
17,5°	1267.9	104.5	554.6
20,0°	1065.6	99.9	654.5
22,5°	874.9	91.8	746.3
25,0°	714.3	82.8	829.0
27,5°	533.8	67.6	896.6
30,0°	335.3	46.0	942.6
32,5°	151.5	22.3	964.9
35,0°	44.0	6.9	971.8
37,5°	23.3	3.9	975.7
40,0°	17.4	3.1	978.7
42,5°	13.8	2.6	981.3
45,0°	11.3	2.2	983.5
47,5°	9.4	1.9	985.4
50,0°	8.2	1.7	987.1
52,5°	7.3	1.6	988.7
55,0°	6.6	1.5	990.2
57,5°	6.0	1.4	991.6
60,0°	5.5	1.3	992.9
62,5°	5.0	1.2	994.1
65,0°	4.6	1.1	995.3
67,5°	4.1	1.0	996.3
70,0°	3.6	0.9	997.2
72,5°	3.0	0.8	998.0
75,0°	2.3	0.6	998.6
77,5°	1.8	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									
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	13.5	14.6	13.9	14.9	15.2	13.5	14.6	13.9	14.9	15.2
	3H	13.8	14.7	14.2	15.0	15.4	13.8	14.7	14.2	15.0	15.4
	4H	13.9	14.7	14.3	15.1	15.5	13.9	14.7	14.3	15.1	15.5
	6H	14.0	14.7	14.4	15.1	15.5	14.0	14.7	14.4	15.1	15.5
	8H	14.2	14.7	14.6	15.1	15.5	14.2	14.7	14.6	15.1	15.5
	12H	14.2	14.6	14.6	15.0	15.5	14.2	14.6	14.6	15.0	15.5
4H	2H	13.5	14.3	13.9	14.6	15.0	13.5	14.3	13.9	14.6	15.0
	3H	13.9	14.5	14.3	14.9	15.3	13.9	14.5	14.3	14.9	15.3
	4H	14.0	14.6	14.5	15.0	15.5	14.0	14.6	14.5	15.0	15.5
	6H	14.2	14.7	14.6	15.1	15.6	14.2	14.7	14.6	15.1	15.6
	8H	14.3	14.7	14.7	15.1	15.6	14.3	14.7	14.7	15.1	15.6
	12H	14.3	14.6	14.8	15.1	15.6	14.3	14.6	14.8	15.1	15.6
8H	4H	14.1	14.5	14.5	14.9	15.4	14.1	14.5	14.5	14.9	15.4
	6H	14.3	14.6	14.8	15.1	15.6	14.3	14.6	14.8	15.1	15.6
	8H	14.3	14.6	14.8	15.1	15.7	14.3	14.6	14.8	15.1	15.7
	12H	14.4	14.6	14.9	15.1	15.7	14.4	14.6	14.9	15.1	15.7
12H	4H	14.1	14.4	14.6	14.9	15.4	14.1	14.4	14.6	14.9	15.4
	6H	14.3	14.5	14.8	15.0	15.6	14.3	14.5	14.8	15.0	15.6
	8H	14.3	14.6	14.9	15.1	15.6	14.3	14.6	14.9	15.1	15.6

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°	8104.6
50,0°	6469.4
55,0°	5835.3
60,0°	5578.6
65,0°	5519.8
70,0°	5337.9
75,0°	4506.6
80,0°	4087.8
85,0°	3492.2

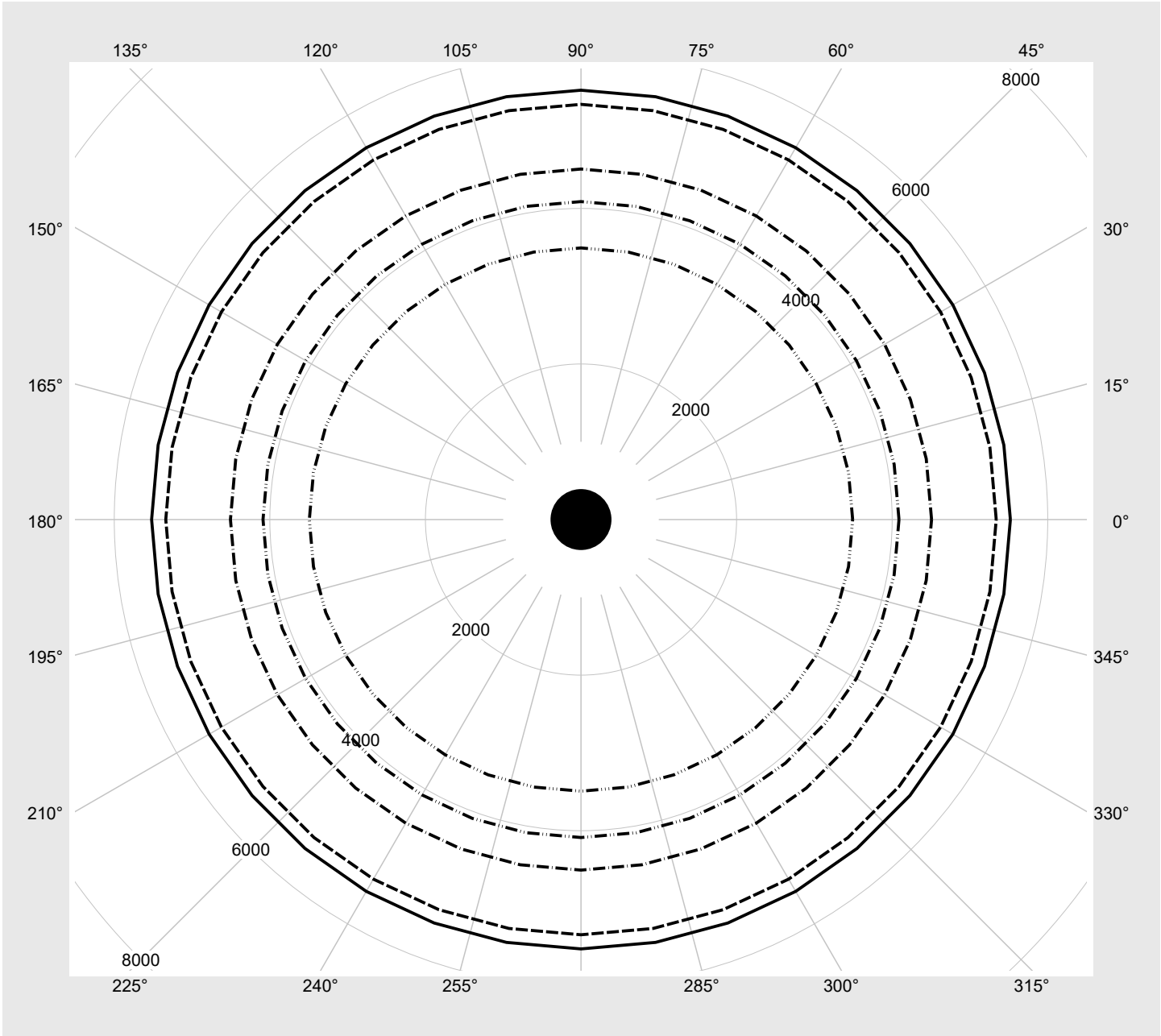
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Luminance values in cd/m²

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	3590	28.1
10	ON	OFF	ON	OFF	3370	25.9
9	ON	OFF	OFF	ON	3140	23.8
8	ON	OFF	OFF	OFF	2900	21.7
7	OFF	ON	ON	ON	2670	19.8
6	OFF	ON	ON	OFF	2420	17.7
5	OFF	ON	OFF	ON	2170	15.7
4	OFF	ON	OFF	OFF	1920	13.8
3	OFF	OFF	ON	ON	1660	11.7
2	OFF	OFF	ON	OFF	1390	9.9
1	OFF	OFF	OFF	ON	1110	8.1
0	OFF	OFF	OFF	OFF	830	6.2