

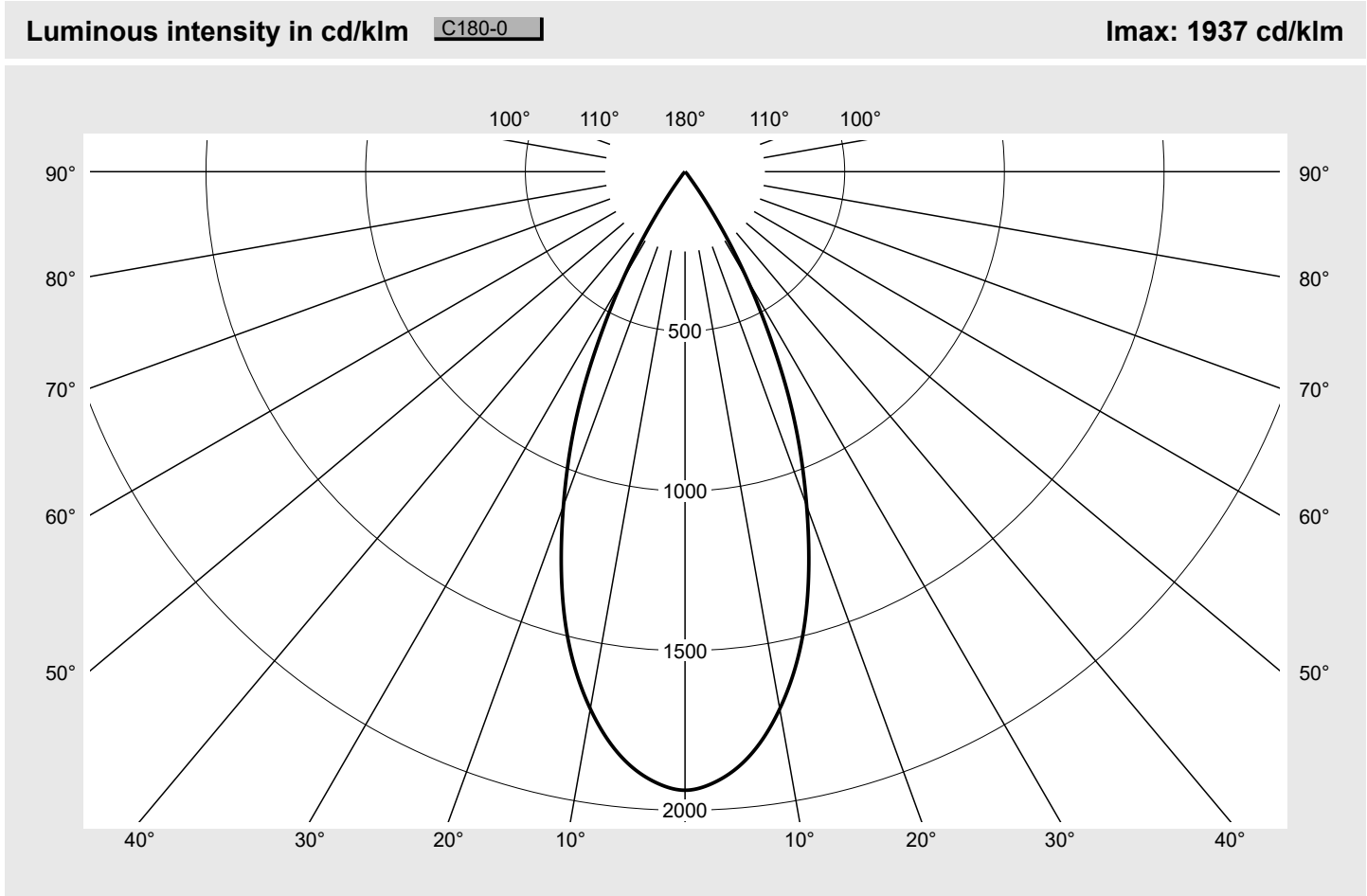


Photometric test report

Family Spot 21 Performance	Order number: 51SD34MB11C3B EAN: 4069025538994	LP number 59946_8										
	<table border="0"> <tr> <td>Version</td> <td>housing, black, 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 Multilumen</td> </tr> <tr> <td>Setting</td> <td>factory setting: DIP-Step=4</td> </tr> <tr> <td>Rated values</td> <td> Net luminous flux = 3010 lm Power consumption = 19.1 W Luminous efficacy = 157.6 lm/W </td> </tr> </table>	Version	housing, black, reflector, cover glass, transparent, wide distribution	Lamps	LED 3500 K CRI ≥ 90	Controlgear	ECG Multilumen	Setting	factory setting: DIP-Step=4	Rated values	Net luminous flux = 3010 lm Power consumption = 19.1 W Luminous efficacy = 157.6 lm/W	serial documentation 11.05.2026 
Version	housing, black, reflector, cover glass, transparent, wide distribution											
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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°	1937.4	2.9	2.9
2,5°	1918.5	22.9	25.8
5,0°	1874.2	44.8	70.6
7,5°	1803.7	64.5	135.2
10,0°	1708.3	81.3	216.5
12,5°	1592.6	94.5	311.0
15,0°	1453.4	103.1	414.1
17,5°	1289.1	106.3	520.4
20,0°	1113.4	104.4	624.7
22,5°	938.6	98.5	723.2
25,0°	755.5	87.5	810.7
27,5°	560.7	71.0	881.7
30,0°	388.9	53.3	935.0
32,5°	229.8	33.8	968.9
35,0°	101.6	16.0	984.8
37,5°	29.4	4.9	989.7
40,0°	14.2	2.5	992.2
42,5°	9.4	1.7	994.0
45,0°	6.8	1.3	995.3
47,5°	5.0	1.0	996.3
50,0°	3.8	0.8	997.1
52,5°	2.9	0.6	997.8
55,0°	2.3	0.5	998.3
57,5°	1.9	0.4	998.7
60,0°	1.5	0.4	999.1
62,5°	1.2	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	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	16.3	17.3	16.6	17.6	17.9	16.3	17.3	16.6	17.6	17.9
	3H	16.1	17.0	16.5	17.3	17.7	16.1	17.0	16.5	17.3	17.7
	4H	16.0	16.8	16.4	17.2	17.5	16.0	16.8	16.4	17.2	17.5
	6H	15.9	16.6	16.3	17.0	17.4	15.9	16.6	16.3	17.0	17.4
	8H	16.1	16.6	16.5	17.0	17.4	16.1	16.6	16.5	17.0	17.4
	12H	16.0	16.5	16.4	16.9	17.3	16.0	16.5	16.4	16.9	17.3
4H	2H	16.0	16.8	16.4	17.2	17.5	16.0	16.8	16.4	17.2	17.5
	3H	15.8	16.5	16.2	16.9	17.3	15.8	16.5	16.2	16.9	17.3
	4H	15.7	16.3	16.1	16.7	17.1	15.7	16.3	16.1	16.7	17.1
	6H	15.6	16.1	16.1	16.5	17.0	15.6	16.1	16.1	16.5	17.0
	8H	15.6	16.0	16.0	16.4	16.9	15.6	16.0	16.0	16.4	16.9
	12H	15.6	15.9	16.1	16.3	16.8	15.6	15.9	16.1	16.3	16.8
8H	4H	15.6	16.0	16.0	16.4	16.9	15.6	16.0	16.0	16.4	16.9
	6H	15.4	15.8	15.9	16.2	16.8	15.4	15.8	15.9	16.2	16.8
	8H	15.3	15.6	15.9	16.1	16.7	15.3	15.6	15.9	16.1	16.7
	12H	15.3	15.5	15.8	16.0	16.6	15.3	15.5	15.8	16.0	16.6
12H	4H	15.6	15.9	16.1	16.3	16.8	15.6	15.9	16.1	16.3	16.8
	6H	15.4	15.6	15.9	16.1	16.7	15.4	15.6	15.9	16.1	16.7
	8H	15.3	15.5	15.8	16.0	16.6	15.3	15.5	15.8	16.0	16.6

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/m²
45,0°	5495.7
50,0°	3378.4
55,0°	2291.5
60,0°	1714.5
65,0°	1216.5
70,0°	834.9
75,0°	220.2
80,0°	0.0
85,0°	0.0

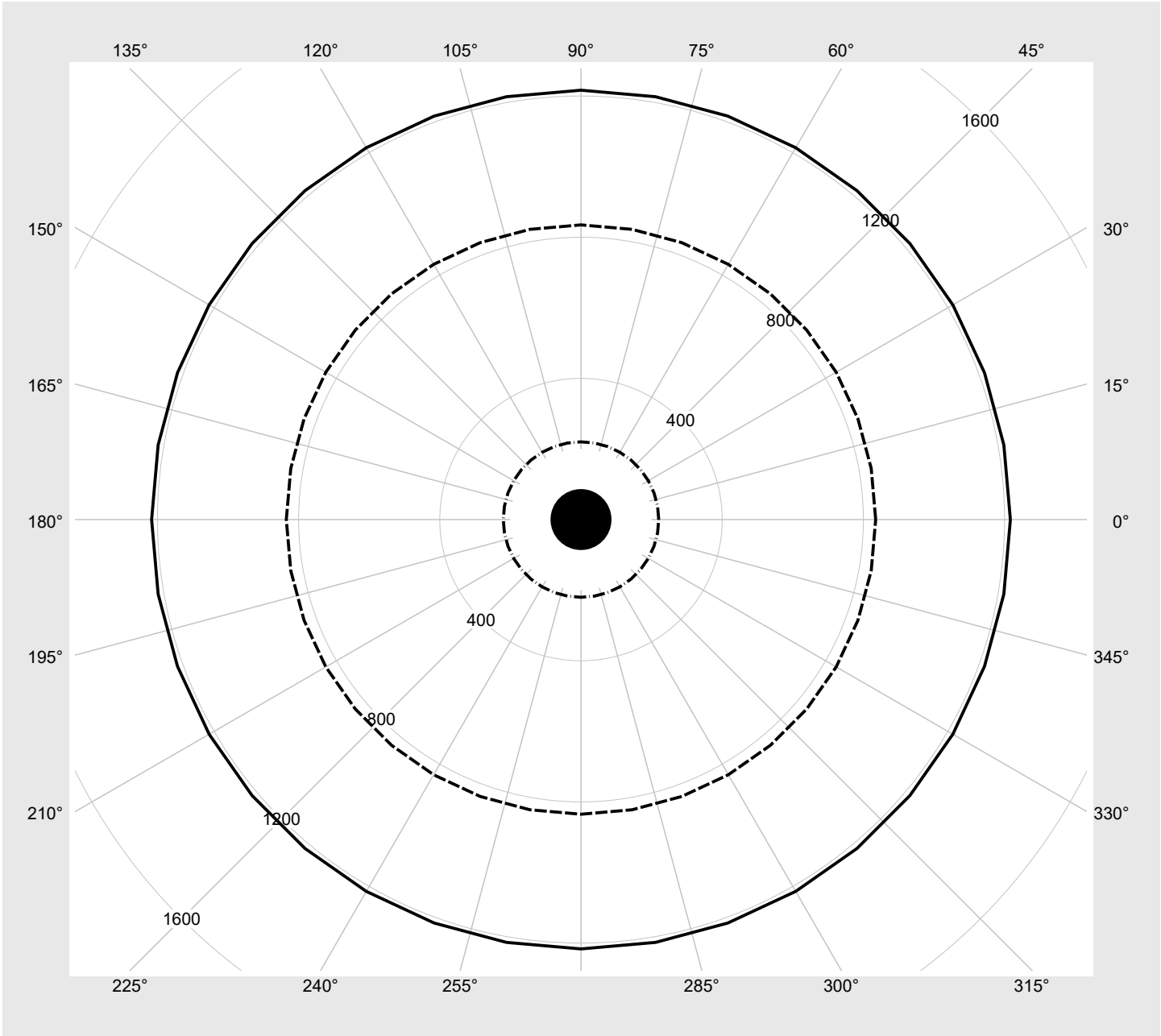
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Luminance values in cd/m²

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		
0	OFF	OFF	OFF	4130	27.0
1	ON	OFF	OFF	3860	25.0
2	OFF	ON	OFF	3580	23.0
3	ON	ON	OFF	3300	21.0
4	OFF	OFF	ON	3010	19.1
5	ON	OFF	ON	2720	17.1
6	OFF	ON	ON	2430	15.2
7	ON	ON	ON	2130	13.4