

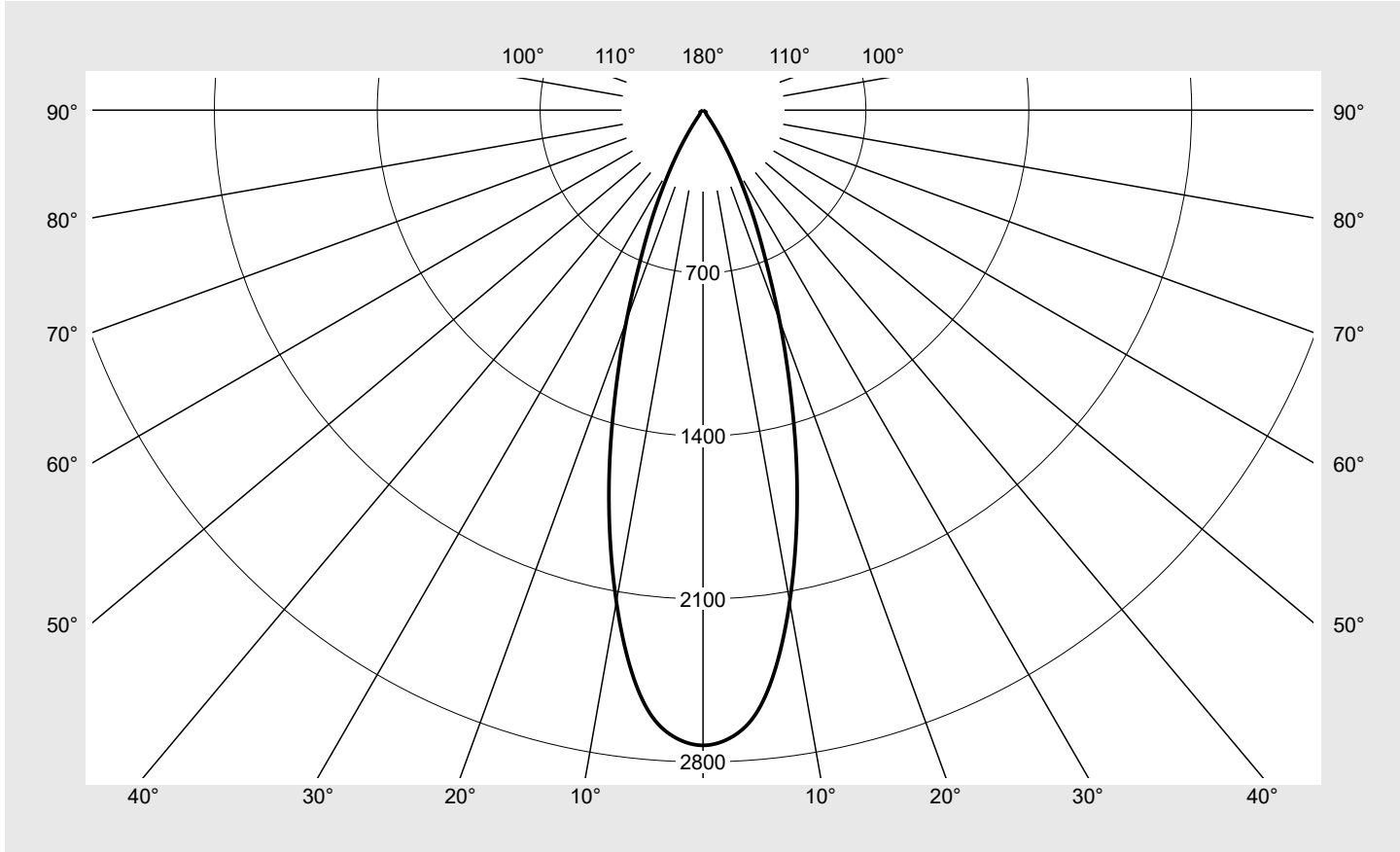


Photometric test report

Family Spot 21 Performance	Order number: 51SD13MB11D3B EAN: 4069025538475	LP number 59943_9										
	<table border="0"> <tr> <td>Version</td> <td>housing, white, 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 Multilumen</td> </tr> <tr> <td>Setting</td> <td>factory setting: DIP-Step=4</td> </tr> <tr> <td>Rated values</td> <td>Net luminous flux = 3220 lm Power consumption = 19.1 W Luminous efficacy = 168.6 lm/W</td> </tr> </table>	Version	housing, white, reflector, cover glass, transparent, medium distribution	Lamps	LED 4000 K CRI ≥ 90	Controlgear	ECG Multilumen	Setting	factory setting: DIP-Step=4	Rated values	Net luminous flux = 3220 lm Power consumption = 19.1 W Luminous efficacy = 168.6 lm/W	serial documentation 11.05.2026 
Version	housing, white, reflector, cover glass, transparent, medium distribution											
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Rated values	Net luminous flux = 3220 lm Power consumption = 19.1 W Luminous efficacy = 168.6 lm/W											

Luminous intensity in cd/klm C180-0 **Imax: 2729 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=95 N2=98 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°	2728.9	4.1	4.1
2,5°	2698.9	32.3	36.4
5,0°	2603.6	62.2	98.6
7,5°	2408.8	86.2	184.7
10,0°	2144.7	102.1	286.8
12,5°	1852.9	109.9	396.8
15,0°	1547.7	109.8	506.6
17,5°	1239.0	102.1	608.7
20,0°	961.6	90.2	698.9
22,5°	713.3	74.8	773.7
25,0°	529.0	61.3	835.0
27,5°	368.4	46.6	881.6
30,0°	242.5	33.2	914.9
32,5°	138.8	20.4	935.3
35,0°	65.4	10.3	945.6
37,5°	27.0	4.5	950.1
40,0°	21.6	3.8	953.9
42,5°	19.4	3.6	957.5
45,0°	17.7	3.4	960.9
47,5°	16.6	3.3	964.3
50,0°	15.6	3.3	967.6
52,5°	14.8	3.2	970.8
55,0°	14.3	3.2	974.0
57,5°	14.0	3.2	977.2
60,0°	13.5	3.2	980.4
62,5°	13.0	3.1	983.5
65,0°	12.1	3.0	986.5
67,5°	11.2	2.8	989.4
70,0°	10.0	2.6	992.0
72,5°	8.7	2.3	994.3
75,0°	7.0	1.9	996.1
77,5°	5.4	1.5	997.6
80,0°	4.0	1.1	998.7
82,5°	2.8	0.8	999.4
85,0°	1.6	0.4	999.9
87,5°	0.5	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	16.0	17.0	16.4	17.4	17.7	16.0	17.0	16.4	17.4	17.7
	3H	17.4	18.3	17.8	18.7	19.0	17.4	18.3	17.8	18.7	19.0
	4H	18.1	18.9	18.5	19.2	19.6	18.1	18.9	18.5	19.2	19.6
	6H	18.5	19.2	18.9	19.6	20.0	18.5	19.2	18.9	19.6	20.0
	8H	18.8	19.3	19.2	19.7	20.1	18.8	19.3	19.2	19.7	20.1
	12H	18.8	19.3	19.2	19.7	20.1	18.8	19.3	19.2	19.7	20.1
4H	2H	16.5	17.3	16.9	17.7	18.0	16.5	17.3	16.9	17.7	18.0
	3H	18.2	18.8	18.6	19.2	19.7	18.2	18.8	18.6	19.2	19.7
	4H	18.9	19.5	19.3	19.9	20.4	18.9	19.5	19.3	19.9	20.4
	6H	19.4	19.9	19.9	20.3	20.8	19.4	19.9	19.9	20.3	20.8
	8H	19.6	20.0	20.1	20.5	21.0	19.6	20.0	20.1	20.5	21.0
	12H	19.7	20.1	20.2	20.5	21.0	19.7	20.1	20.2	20.5	21.0
8H	4H	19.2	19.6	19.7	20.1	20.5	19.2	19.6	19.7	20.1	20.5
	6H	19.8	20.1	20.3	20.6	21.1	19.8	20.1	20.3	20.6	21.1
	8H	20.0	20.3	20.5	20.8	21.3	20.0	20.3	20.5	20.8	21.3
	12H	20.1	20.4	20.7	20.9	21.4	20.1	20.4	20.7	20.9	21.4
12H	4H	19.2	19.5	19.7	20.0	20.5	19.2	19.5	19.7	20.0	20.5
	6H	19.8	20.1	20.3	20.6	21.1	19.8	20.1	20.3	20.6	21.1
	8H	20.1	20.3	20.6	20.8	21.4	20.1	20.3	20.6	20.8	21.4

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°	15234.9
50,0°	14759.8
55,0°	15153.5
60,0°	16404.2
65,0°	17523.6
70,0°	17895.1
75,0°	16554.3
80,0°	14097.9
85,0°	11235.4

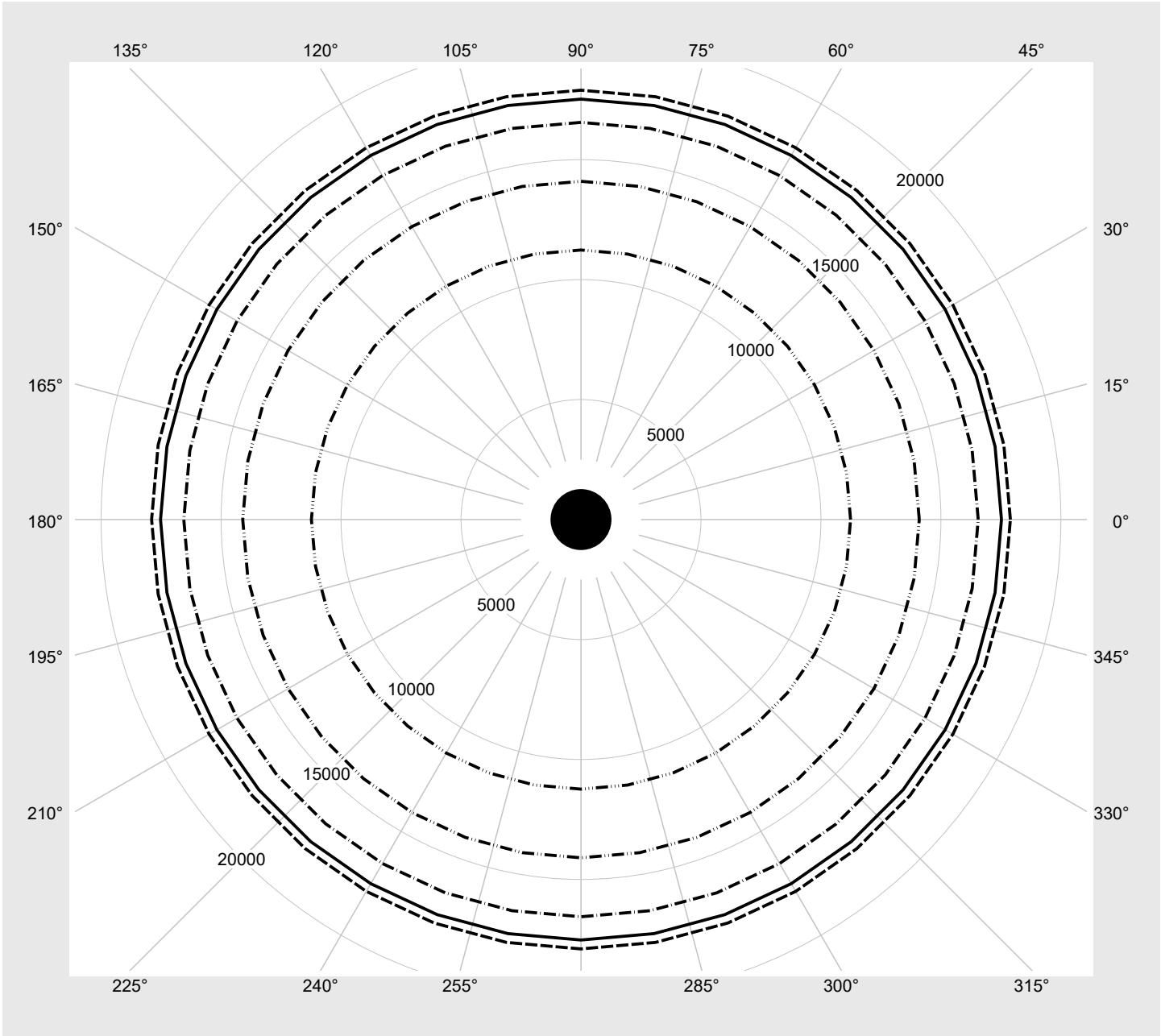
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Luminance values in cd/m²

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	4410	27.0
1	ON	OFF	OFF	4120	25.0
2	OFF	ON	OFF	3820	23.0
3	ON	ON	OFF	3520	21.0
4	OFF	OFF	ON	3220	19.1
5	ON	OFF	ON	2910	17.1
6	OFF	ON	ON	2600	15.2
7	ON	ON	ON	2280	13.4