

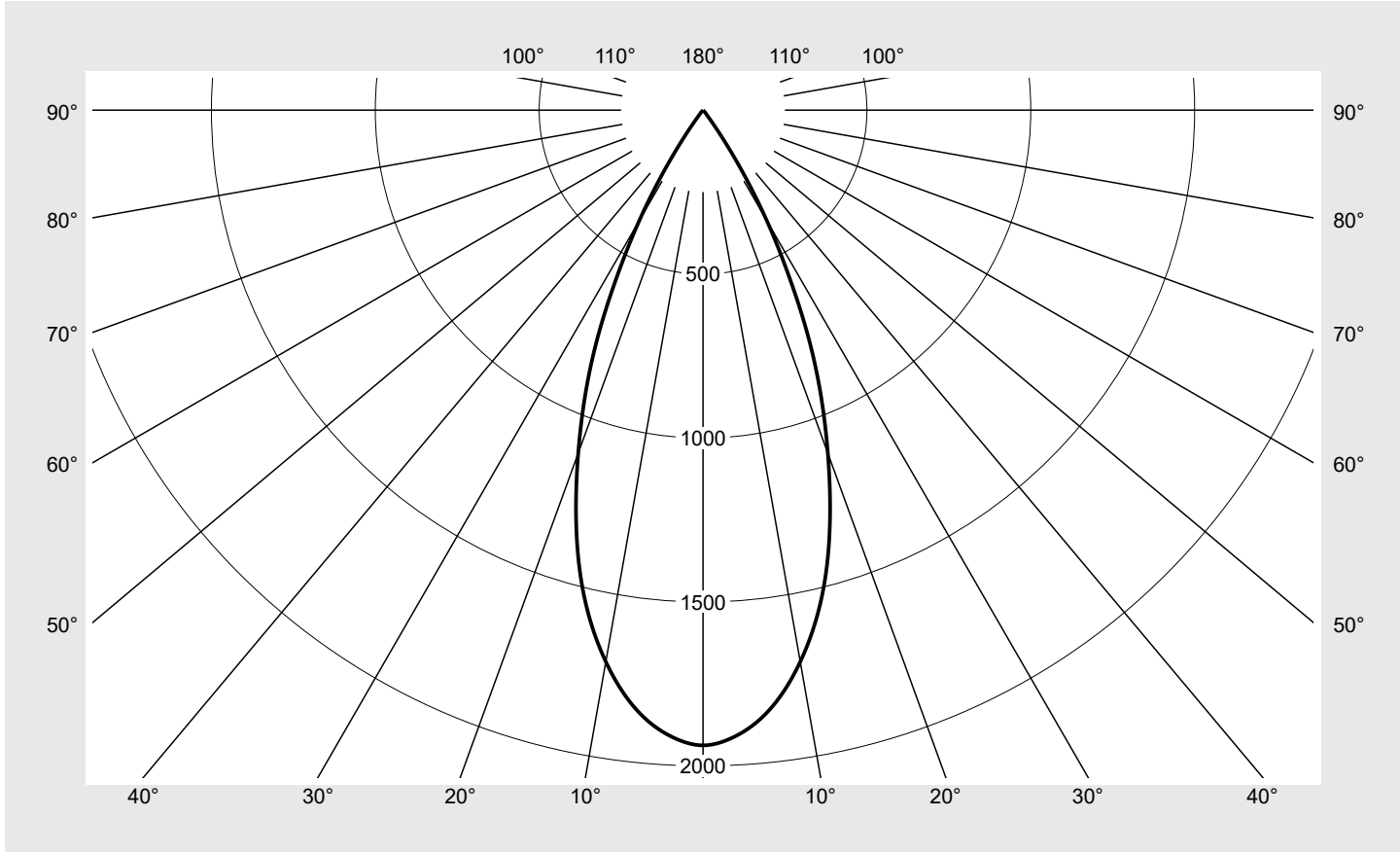


Photometric test report

Family Spot 21 Performance	Order number: 51SD34MB11D3B EAN: 4069025539014	LP number 59946_9										
	<table border="0"> <tr> <td>Version</td> <td>housing, black, reflector, cover glass, transparent, wide 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 = 3040 lm Power consumption = 19.1 W Luminous efficacy = 159.2 lm/W </td> </tr> </table>	Version	housing, black, reflector, cover glass, transparent, wide distribution	Lamps	LED 4000 K CRI ≥ 90	Controlgear	ECG Multilumen	Setting	factory setting: DIP-Step=4	Rated values	Net luminous flux = 3040 lm Power consumption = 19.1 W Luminous efficacy = 159.2 lm/W	serial documentation 11.05.2026 
Version	housing, black, reflector, cover glass, transparent, wide distribution											
Lamps	LED 4000 K CRI ≥ 90											
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Setting	factory setting: DIP-Step=4											
Rated values	Net luminous flux = 3040 lm Power consumption = 19.1 W Luminous efficacy = 159.2 lm/W											

Luminous intensity in cd/klm C180-0 **Imax: 1937 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°	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	16.7	17.6	17.9	16.3	17.3	16.7	17.6	17.9
	3H	16.1	17.0	16.5	17.4	17.7	16.1	17.0	16.5	17.4	17.7
	4H	16.0	16.8	16.4	17.2	17.6	16.0	16.8	16.4	17.2	17.6
	6H	16.0	16.7	16.4	17.0	17.4	16.0	16.7	16.4	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	16.5	16.9	17.3	16.0	16.5	16.5	16.9	17.3
4H	2H	16.0	16.8	16.4	17.2	17.6	16.0	16.8	16.4	17.2	17.6
	3H	15.8	16.5	16.3	16.9	17.3	15.8	16.5	16.3	16.9	17.3
	4H	15.7	16.3	16.2	16.7	17.2	15.7	16.3	16.2	16.7	17.2
	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	16.1	16.5	16.9	15.6	16.0	16.1	16.5	16.9
	12H	15.6	15.9	16.1	16.4	16.9	15.6	15.9	16.1	16.4	16.9
8H	4H	15.6	16.0	16.1	16.5	16.9	15.6	16.0	16.1	16.5	16.9
	6H	15.5	15.8	16.0	16.3	16.8	15.5	15.8	16.0	16.3	16.8
	8H	15.4	15.7	15.9	16.2	16.7	15.4	15.7	15.9	16.2	16.7
	12H	15.3	15.6	15.9	16.1	16.6	15.3	15.6	15.9	16.1	16.6
12H	4H	15.6	15.9	16.1	16.4	16.9	15.6	15.9	16.1	16.4	16.9
	6H	15.4	15.7	15.9	16.2	16.7	15.4	15.7	15.9	16.2	16.7
	8H	15.3	15.6	15.9	16.1	16.6	15.3	15.6	15.9	16.1	16.6

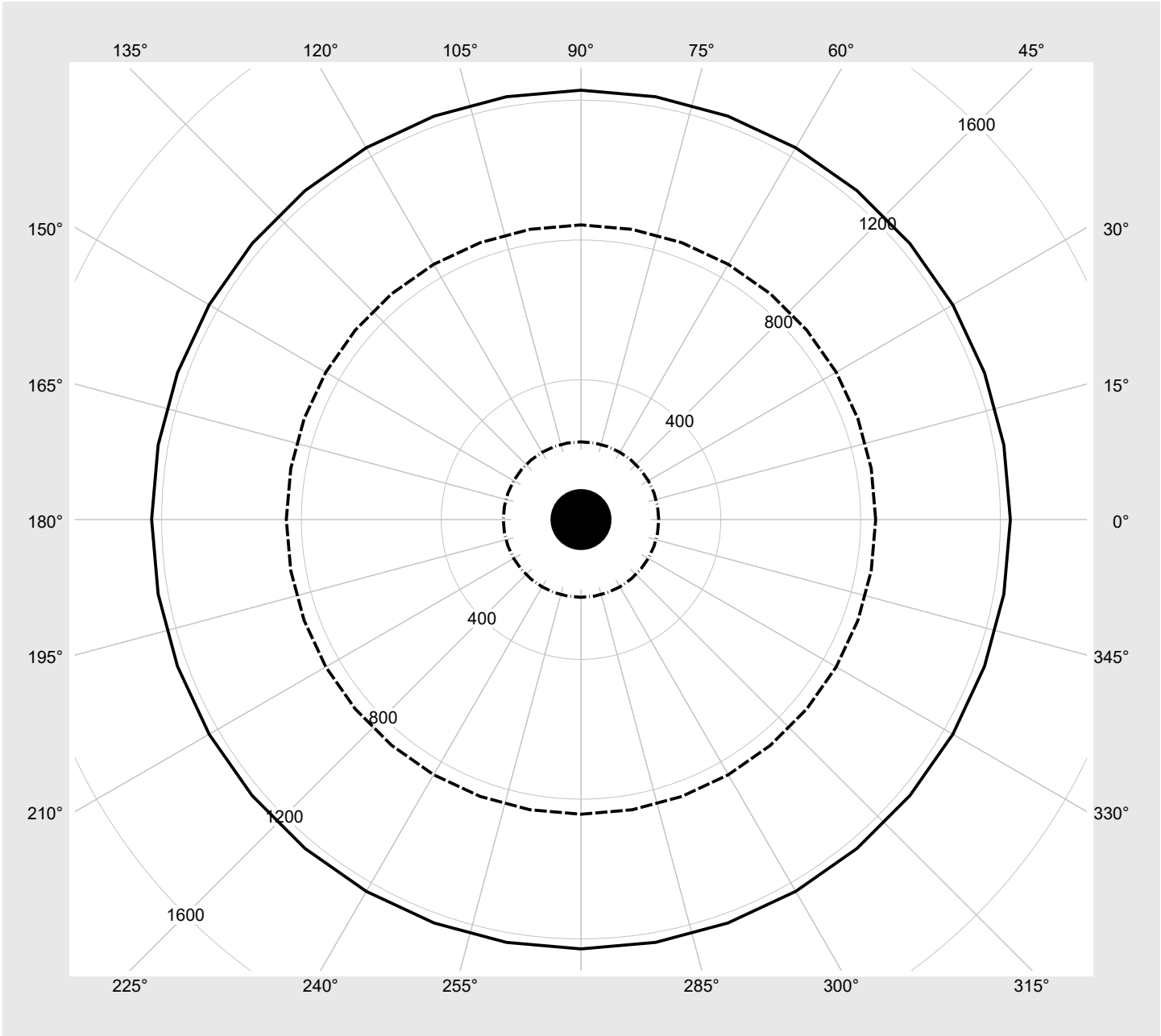
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
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C-planes	0°
γ	Luminance in cd/m²
45,0°	5550.4
50,0°	3412.0
55,0°	2314.3
60,0°	1731.5
65,0°	1228.6
70,0°	843.2
75,0°	222.4
80,0°	0.0
85,0°	0.0

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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		
0	OFF	OFF	OFF	4170	27.0
1	ON	OFF	OFF	3890	25.0
2	OFF	ON	OFF	3610	23.0
3	ON	ON	OFF	3330	21.0
4	OFF	OFF	ON	3040	19.1
5	ON	OFF	ON	2750	17.1
6	OFF	ON	ON	2450	15.2
7	ON	ON	ON	2160	13.4