

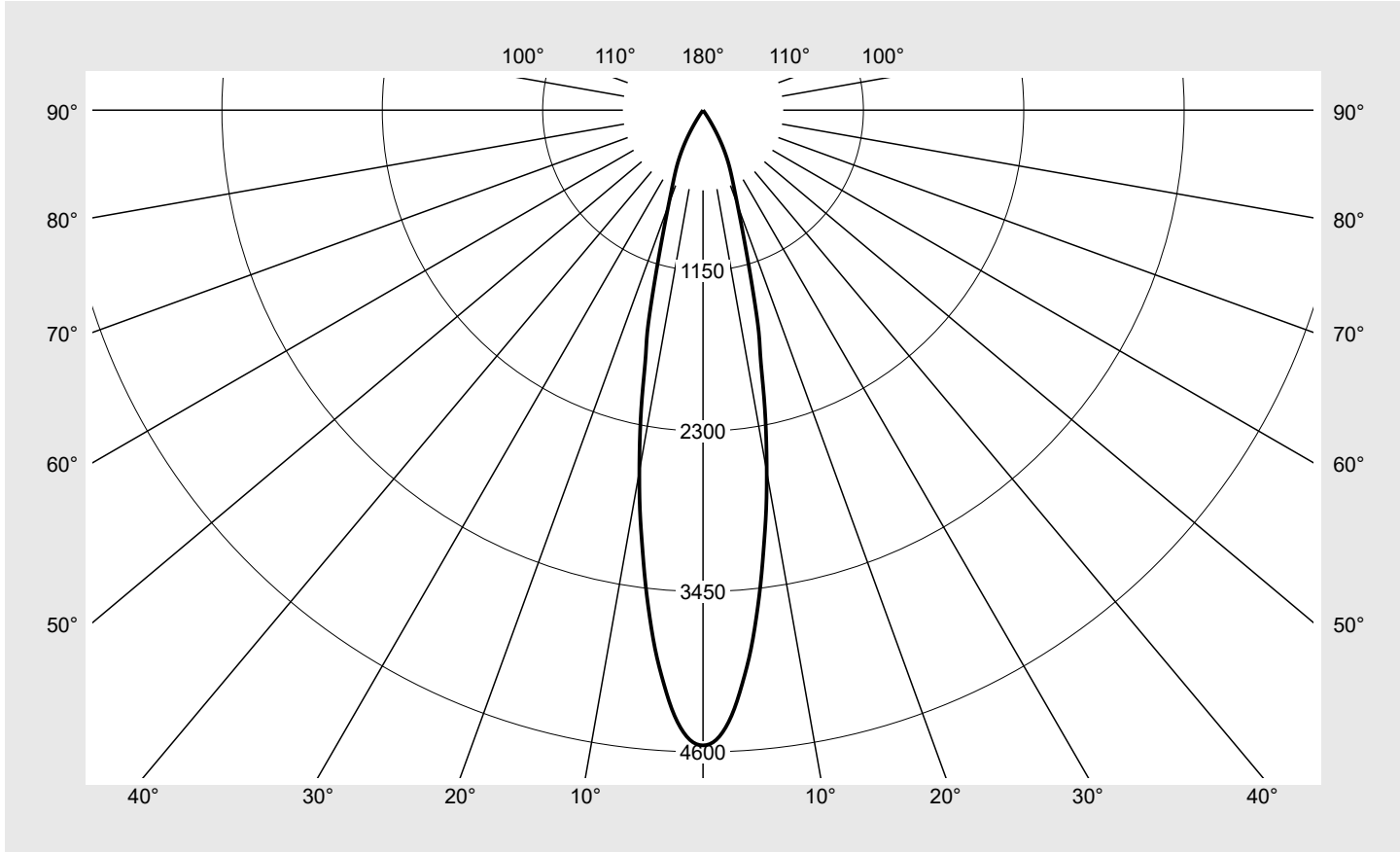


Photometric test report

Family Spot 21 Standard	Order number: 51SE62MB11C2C EAN: 4069025447883	LP number 59935_28										
	<table border="0"> <tr> <td>Version</td> <td>housing, white aluminium, reflector, cover glass, transparent, narrow 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 = 2900 lm Power consumption = 18.5 W Luminous efficacy = 156.8 lm/W </td> </tr> </table>	Version	housing, white aluminium, reflector, cover glass, transparent, narrow distribution	Lamps	LED 3500 K CRI ≥ 90	Controlgear	ECG Multilumen	Setting	factory setting: DIP-Step=4	Rated values	Net luminous flux = 2900 lm Power consumption = 18.5 W Luminous efficacy = 156.8 lm/W	serial documentation 11.05.2026 
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Luminous intensity in cd/klm C180-0 **Imax: 4553 cd/klm**



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	sITeco
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C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0°	4553.1	1.1	1.1
1°	4526.9	8.7	9.8
2°	4439.5	17.0	26.7
3°	4295.7	24.7	51.4
4°	4103.9	31.4	82.8
5°	3897.2	37.2	120.0
6°	3655.5	41.9	161.9
7°	3402.4	45.5	207.4
8°	3140.8	47.9	255.3
9°	2894.7	49.7	305.0
10°	2630.2	50.1	355.1
11°	2369.8	49.6	404.7
12°	2103.0	47.9	452.6
13°	1837.1	45.3	497.9
14°	1659.8	44.0	542.0
15°	1439.9	130.6	672.5
20°	722.5	135.4	808.0
25°	446.5	103.4	911.4
30°	219.4	60.1	971.5
35°	25.7	8.1	979.6
40°	11.4	4.0	983.6
45°	7.9	3.0	986.7
50°	6.2	2.6	989.3
55°	5.3	2.4	991.7
60°	4.7	2.3	993.9
65°	4.1	2.1	996.0
70°	3.3	1.7	997.7
75°	2.3	1.2	998.9
80°	1.4	0.8	999.7
85°	0.6	0.3	1000.0
90°	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	11.3	12.2	11.6	12.5	12.9	11.3	12.2	11.6	12.5	12.9
	3H	11.9	12.7	12.2	13.0	13.4	11.9	12.7	12.2	13.0	13.4
	4H	12.1	12.9	12.5	13.2	13.6	12.1	12.9	12.5	13.2	13.6
	6H	12.3	13.0	12.7	13.4	13.8	12.3	13.0	12.7	13.4	13.8
	8H	12.5	13.0	12.9	13.4	13.8	12.5	13.0	12.9	13.4	13.8
	12H	12.5	13.0	12.9	13.4	13.8	12.5	13.0	12.9	13.4	13.8
4H	2H	11.3	12.1	11.7	12.5	12.8	11.3	12.1	11.7	12.5	12.8
	3H	12.1	12.7	12.5	13.1	13.5	12.1	12.7	12.5	13.1	13.5
	4H	12.5	13.0	12.9	13.4	13.9	12.5	13.0	12.9	13.4	13.9
	6H	12.7	13.2	13.2	13.7	14.2	12.7	13.2	13.2	13.7	14.2
	8H	12.9	13.3	13.4	13.8	14.3	12.9	13.3	13.4	13.8	14.3
	12H	12.9	13.3	13.4	13.8	14.3	12.9	13.3	13.4	13.8	14.3
8H	4H	12.6	13.0	13.0	13.4	13.9	12.6	13.0	13.0	13.4	13.9
	6H	13.0	13.3	13.5	13.8	14.3	13.0	13.3	13.5	13.8	14.3
	8H	13.1	13.4	13.6	13.9	14.5	13.1	13.4	13.6	13.9	14.5
	12H	13.2	13.5	13.7	14.0	14.5	13.2	13.5	13.7	14.0	14.5
12H	4H	12.5	12.9	13.0	13.4	13.9	12.5	12.9	13.0	13.4	13.9
	6H	12.9	13.3	13.5	13.8	14.3	12.9	13.3	13.5	13.8	14.3
	8H	13.1	13.4	13.6	13.9	14.5	13.1	13.4	13.6	13.9	14.5

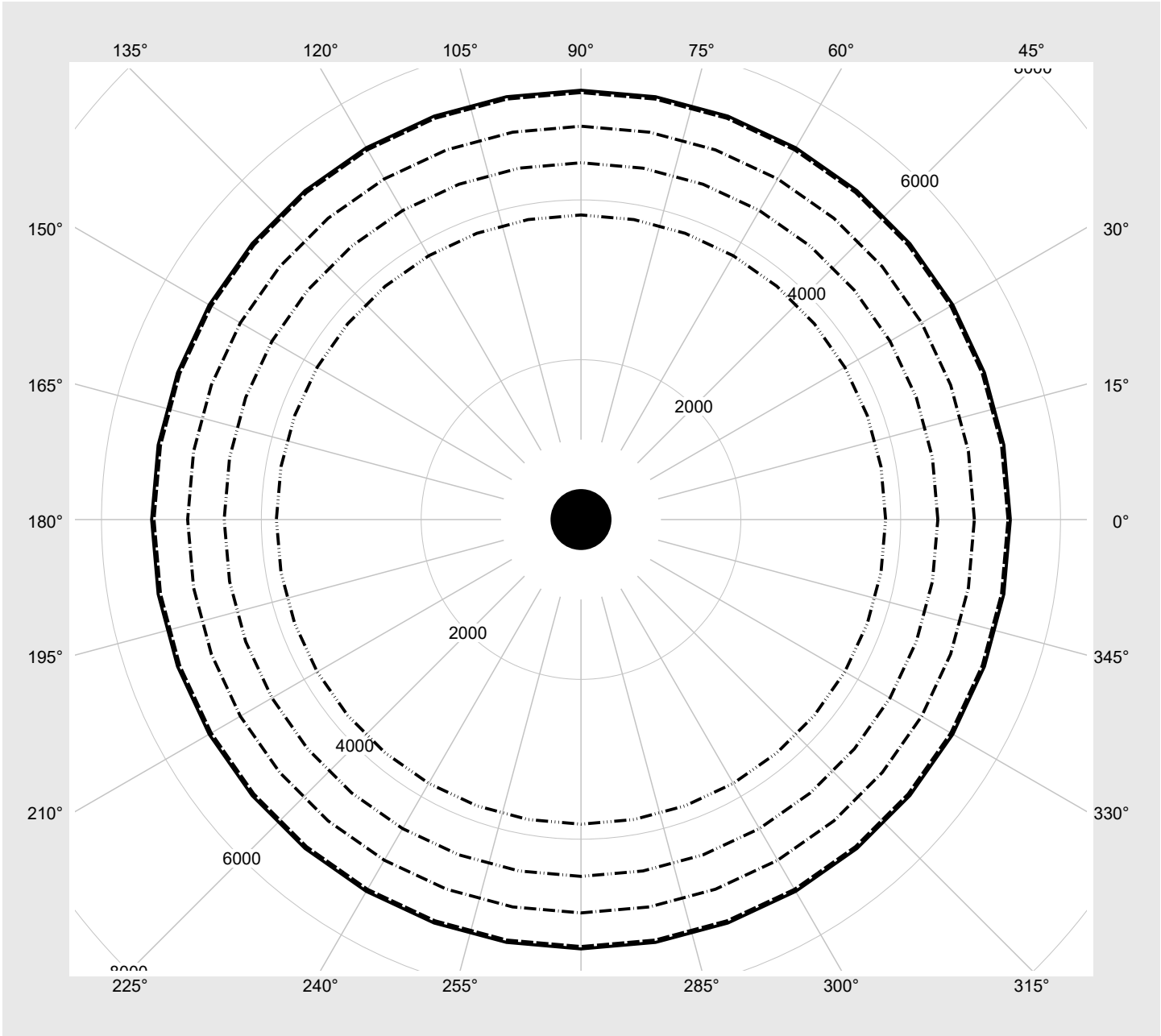
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
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C-planes	0°
γ	Luminance in cd/m ²
45°	6109.5
50°	5255.7
55°	5118.2
60°	5205.8
65°	5372.9
70°	5343.3
75°	4922.3
80°	4465.2
85°	3811.9

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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	3910	26.5
1	ON	OFF	OFF	3670	24.5
2	OFF	ON	OFF	3420	22.5
3	ON	ON	OFF	3160	20.5
4	OFF	OFF	ON	2900	18.5
5	ON	OFF	ON	2630	16.6
6	OFF	ON	ON	2360	14.8
7	ON	ON	ON	2090	12.9