

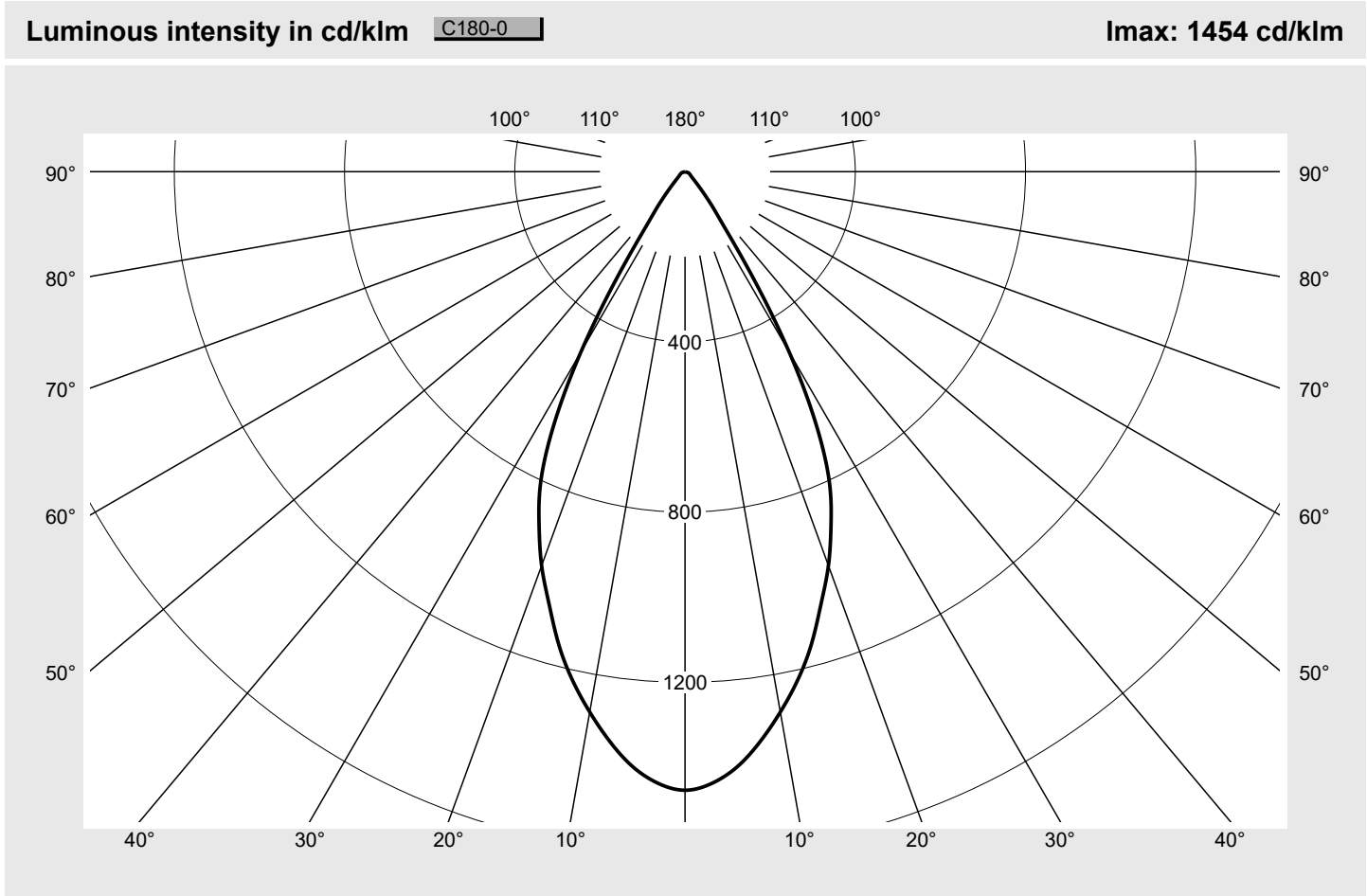


Photometric test report

Family Spot 21 Standard	Order number: 51SE14MB11B2C EAN: 4069025447142	LP number 59931_28										
	<table border="0"> <tr> <td>Version</td> <td>housing, white, reflector, cover glass, transparent, wide distribution</td> </tr> <tr> <td>Lamps</td> <td>LED 3000 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 = 2850 lm Power consumption = 18.5 W Luminous efficacy = 154.1 lm/W </td> </tr> </table>	Version	housing, white, reflector, cover glass, transparent, wide distribution	Lamps	LED 3000 K CRI ≥ 90	Controlgear	ECG Multilumen	Setting	factory setting: DIP-Step=4	Rated values	Net luminous flux = 2850 lm Power consumption = 18.5 W Luminous efficacy = 154.1 lm/W	serial documentation 11.05.2026 
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Classifications	
DIN 5040	A 7 0
CIE	N1=94 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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Table of values for luminous intensities	Maximum luminous intensity
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C-planes γ	0° Luminous intensity in cd/klm	Phi-zone Luminous flux in lm/klm	Total Phi-zone
0,0°	1453.7	2.2	2.2
2,5°	1438.9	17.2	19.4
5,0°	1404.1	33.5	52.9
7,5°	1351.1	48.3	101.3
10,0°	1289.5	61.4	162.7
12,5°	1223.4	72.6	235.2
15,0°	1148.5	81.5	316.7
17,5°	1063.6	87.7	404.4
20,0°	985.2	92.4	496.8
22,5°	896.4	94.0	590.8
25,0°	801.5	92.9	683.7
27,5°	663.4	84.0	767.6
30,0°	489.2	67.1	834.7
32,5°	307.3	45.3	880.0
35,0°	173.2	27.2	907.2
37,5°	114.5	19.1	926.3
40,0°	77.4	13.6	940.0
42,5°	52.8	9.8	949.7
45,0°	37.7	7.3	957.0
47,5°	28.4	5.7	962.8
50,0°	22.7	4.8	967.6
52,5°	19.1	4.2	971.7
55,0°	16.7	3.8	975.5
57,5°	15.0	3.5	978.9
60,0°	13.6	3.2	982.2
62,5°	12.4	3.0	985.2
65,0°	11.2	2.8	988.0
67,5°	10.1	2.6	990.6
70,0°	9.0	2.3	992.9
72,5°	7.7	2.0	994.9
75,0°	6.2	1.6	996.5
77,5°	4.7	1.3	997.8
80,0°	3.6	1.0	998.8
82,5°	2.5	0.7	999.5
85,0°	1.5	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	19.7	20.8	20.0	21.1	21.4	19.7	20.8	20.0	21.1	21.4
	3H	20.0	21.0	20.4	21.3	21.6	20.0	21.0	20.4	21.3	21.6
	4H	20.1	21.0	20.5	21.4	21.8	20.1	21.0	20.5	21.4	21.8
	6H	20.2	21.0	20.6	21.4	21.8	20.2	21.0	20.6	21.4	21.8
	8H	20.4	21.0	20.8	21.4	21.8	20.4	21.0	20.8	21.4	21.8
	12H	20.4	21.0	20.9	21.4	21.8	20.4	21.0	20.9	21.4	21.8
4H	2H	19.6	20.5	20.0	20.9	21.3	19.6	20.5	20.0	20.9	21.3
	3H	20.1	20.8	20.5	21.2	21.6	20.1	20.8	20.5	21.2	21.6
	4H	20.3	21.0	20.8	21.4	21.9	20.3	21.0	20.8	21.4	21.9
	6H	20.5	21.1	21.0	21.5	22.0	20.5	21.1	21.0	21.5	22.0
	8H	20.6	21.1	21.1	21.5	22.0	20.6	21.1	21.1	21.5	22.0
	12H	20.7	21.1	21.2	21.5	22.0	20.7	21.1	21.2	21.5	22.0
8H	4H	20.4	20.9	20.9	21.3	21.8	20.4	20.9	20.9	21.3	21.8
	6H	20.6	21.0	21.2	21.5	22.0	20.6	21.0	21.2	21.5	22.0
	8H	20.7	21.1	21.2	21.6	22.1	20.7	21.1	21.2	21.6	22.1
	12H	20.8	21.1	21.3	21.6	22.1	20.8	21.1	21.3	21.6	22.1
12H	4H	20.4	20.8	20.9	21.3	21.8	20.4	20.8	20.9	21.3	21.8
	6H	20.7	21.0	21.2	21.5	22.0	20.7	21.0	21.2	21.5	22.0
	8H	20.8	21.0	21.3	21.5	22.1	20.8	21.0	21.3	21.5	22.1

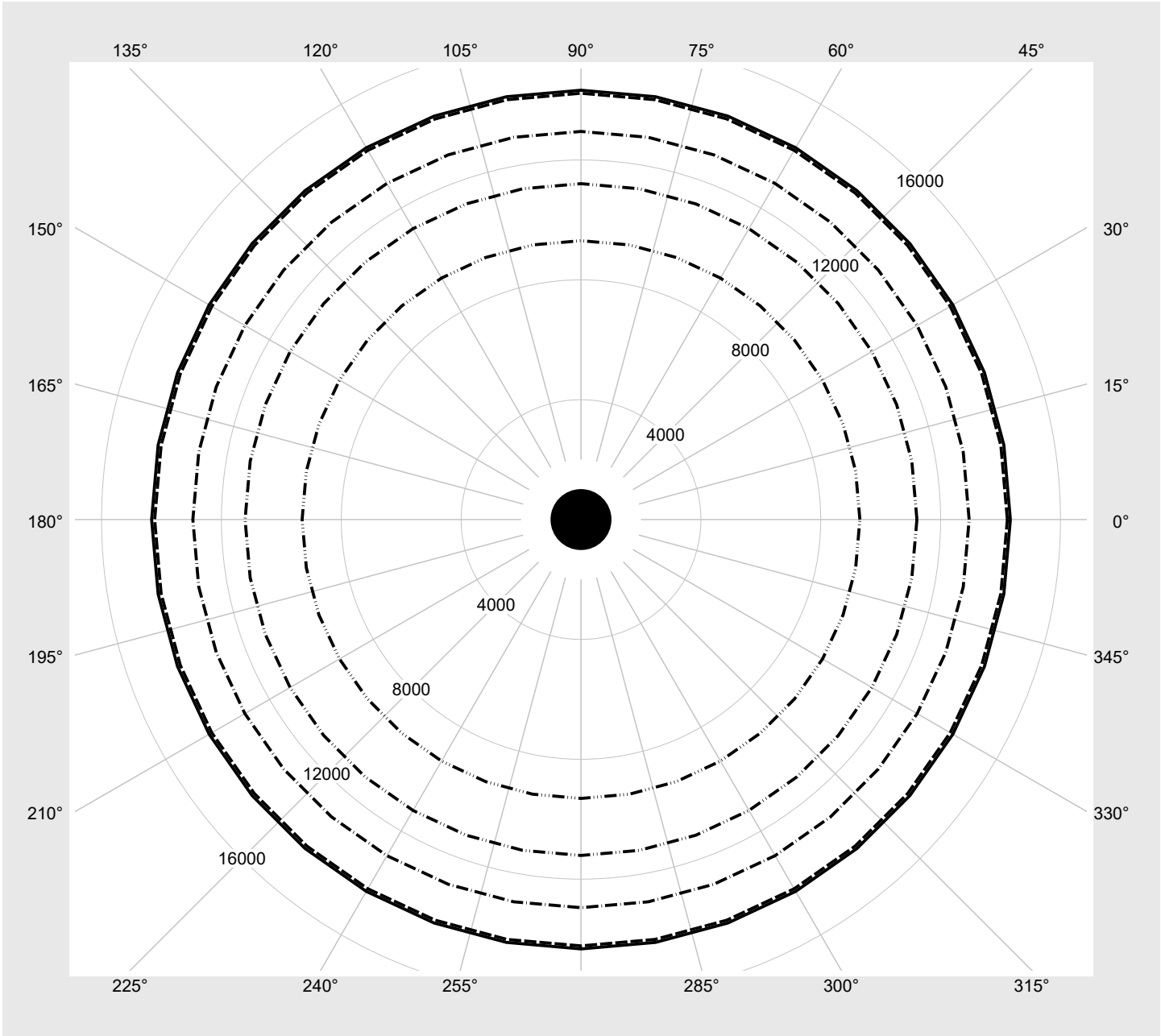
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
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C-planes	0°
γ	Luminance in cd/m²
45,0°	28751.5
50,0°	19094.5
55,0°	15742.9
60,0°	14707.1
65,0°	14328.8
70,0°	14227.8
75,0°	12952.8
80,0°	11209.9
85,0°	9306.6

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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	3840	26.5
1	ON	OFF	OFF	3600	24.5
2	OFF	ON	OFF	3360	22.5
3	ON	ON	OFF	3110	20.5
4	OFF	OFF	ON	2850	18.5
5	ON	OFF	ON	2590	16.6
6	OFF	ON	ON	2320	14.8
7	ON	ON	ON	2050	12.9