

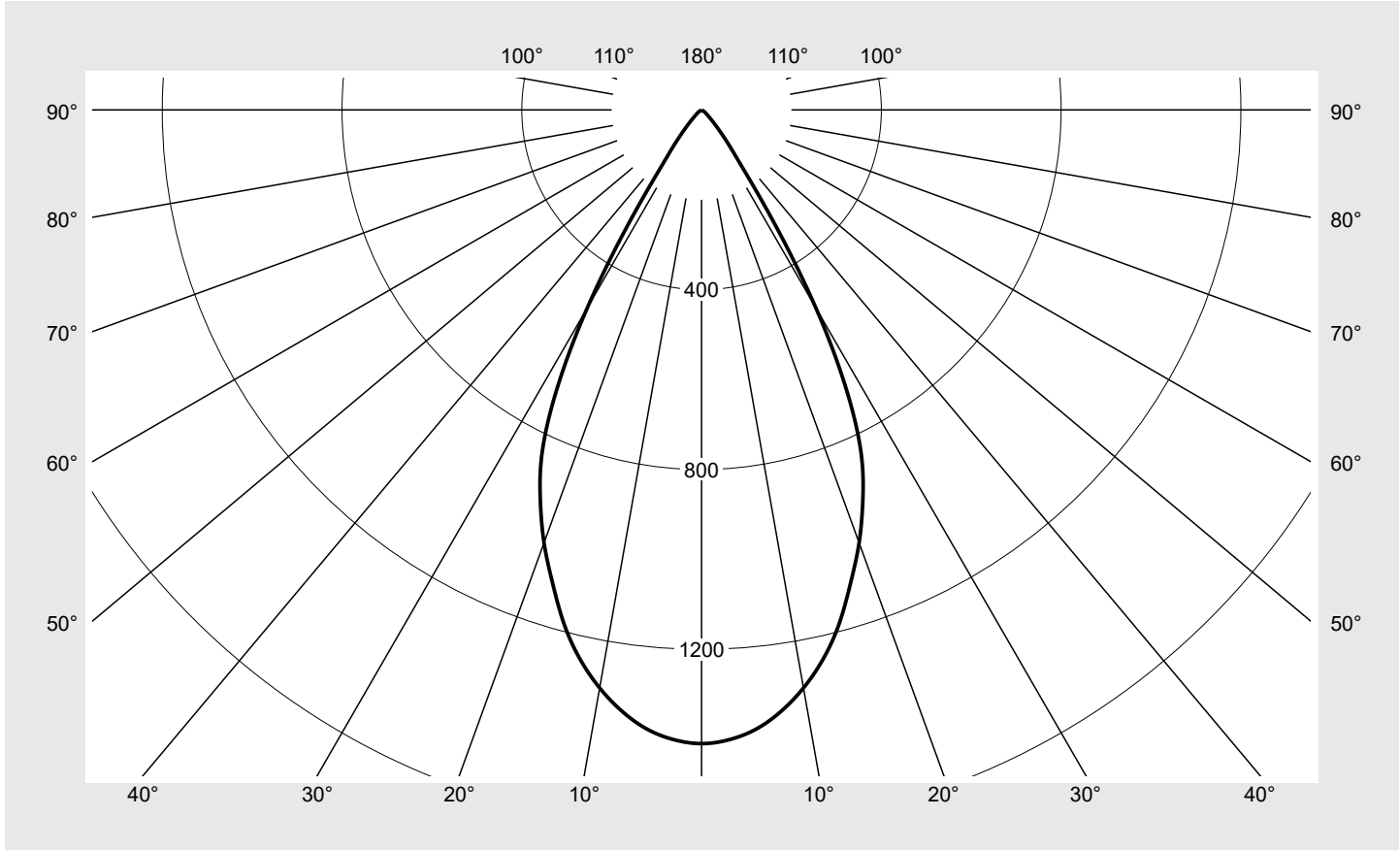


Photometric test report

Family Spot 21 Standard	Order number: 51SE64MB11B2C EAN: 4069025448125	LP number 59937_26										
	<table border="0"> <tr> <td>Version</td> <td>housing, white aluminium, 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 = 2730 lm Power consumption = 18.5 W Luminous efficacy = 147.6 lm/W</td> </tr> </table>	Version	housing, white aluminium, 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 = 2730 lm Power consumption = 18.5 W Luminous efficacy = 147.6 lm/W	serial documentation 11.05.2026 
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Luminous intensity in cd/klm C180-0 **Imax: 1410 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=96 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
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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°	1409.8	2.1	2.1
2,5°	1402.5	16.8	18.9
5,0°	1383.3	33.0	51.9
7,5°	1350.1	48.3	100.2
10,0°	1305.8	62.2	162.4
12,5°	1250.9	74.2	236.6
15,0°	1183.2	84.0	320.6
17,5°	1103.1	90.9	411.5
20,0°	1024.9	96.1	507.6
22,5°	937.8	98.4	606.0
25,0°	838.9	97.2	703.2
27,5°	692.9	87.7	790.9
30,0°	508.4	69.7	860.5
32,5°	313.6	46.2	906.7
35,0°	170.0	26.7	933.5
37,5°	107.2	17.9	951.4
40,0°	69.8	12.3	963.7
42,5°	45.7	8.5	972.1
45,0°	29.8	5.8	977.9
47,5°	20.8	4.2	982.1
50,0°	15.0	3.2	985.3
52,5°	11.4	2.5	987.7
55,0°	9.1	2.0	989.8
57,5°	7.4	1.7	991.5
60,0°	6.2	1.5	993.0
62,5°	5.4	1.3	994.3
65,0°	4.6	1.1	995.4
67,5°	4.0	1.0	996.5
70,0°	3.5	0.9	997.4
72,5°	2.9	0.8	998.1
75,0°	2.3	0.6	998.7
77,5°	1.7	0.5	999.2
80,0°	1.3	0.4	999.5
82,5°	0.9	0.2	999.8
85,0°	0.6	0.2	999.9
87,5°	0.2	0.1	1000.0
90,0°	0.0	0.0	1000.0

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UGR-Table		Standard room									
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	18.9	20.0	19.3	20.4	20.7	18.9	20.0	19.3	20.4	20.7
	3H	18.9	19.8	19.3	20.2	20.5	18.9	19.8	19.3	20.2	20.5
	4H	18.8	19.7	19.2	20.1	20.4	18.8	19.7	19.2	20.1	20.4
	6H	18.8	19.6	19.2	19.9	20.3	18.8	19.6	19.2	19.9	20.3
	8H	18.9	19.5	19.3	19.9	20.3	18.9	19.5	19.3	19.9	20.3
	12H	18.9	19.4	19.3	19.8	20.2	18.9	19.4	19.3	19.8	20.2
4H	2H	18.7	19.6	19.1	20.0	20.4	18.7	19.6	19.1	20.0	20.4
	3H	18.7	19.4	19.1	19.8	20.2	18.7	19.4	19.1	19.8	20.2
	4H	18.6	19.3	19.1	19.7	20.2	18.6	19.3	19.1	19.7	20.2
	6H	18.6	19.2	19.1	19.6	20.1	18.6	19.2	19.1	19.6	20.1
	8H	18.6	19.1	19.1	19.5	20.0	18.6	19.1	19.1	19.5	20.0
	12H	18.6	19.0	19.1	19.4	20.0	18.6	19.0	19.1	19.4	20.0
8H	4H	18.6	19.0	19.0	19.5	20.0	18.6	19.0	19.0	19.5	20.0
	6H	18.5	18.9	19.0	19.4	19.9	18.5	18.9	19.0	19.4	19.9
	8H	18.5	18.8	19.0	19.3	19.8	18.5	18.8	19.0	19.3	19.8
	12H	18.5	18.7	19.0	19.2	19.8	18.5	18.7	19.0	19.2	19.8
12H	4H	18.6	18.9	19.1	19.4	19.9	18.6	18.9	19.1	19.4	19.9
	6H	18.5	18.8	19.0	19.3	19.8	18.5	18.8	19.0	19.3	19.8
	8H	18.5	18.7	19.0	19.2	19.8	18.5	18.7	19.0	19.2	19.8

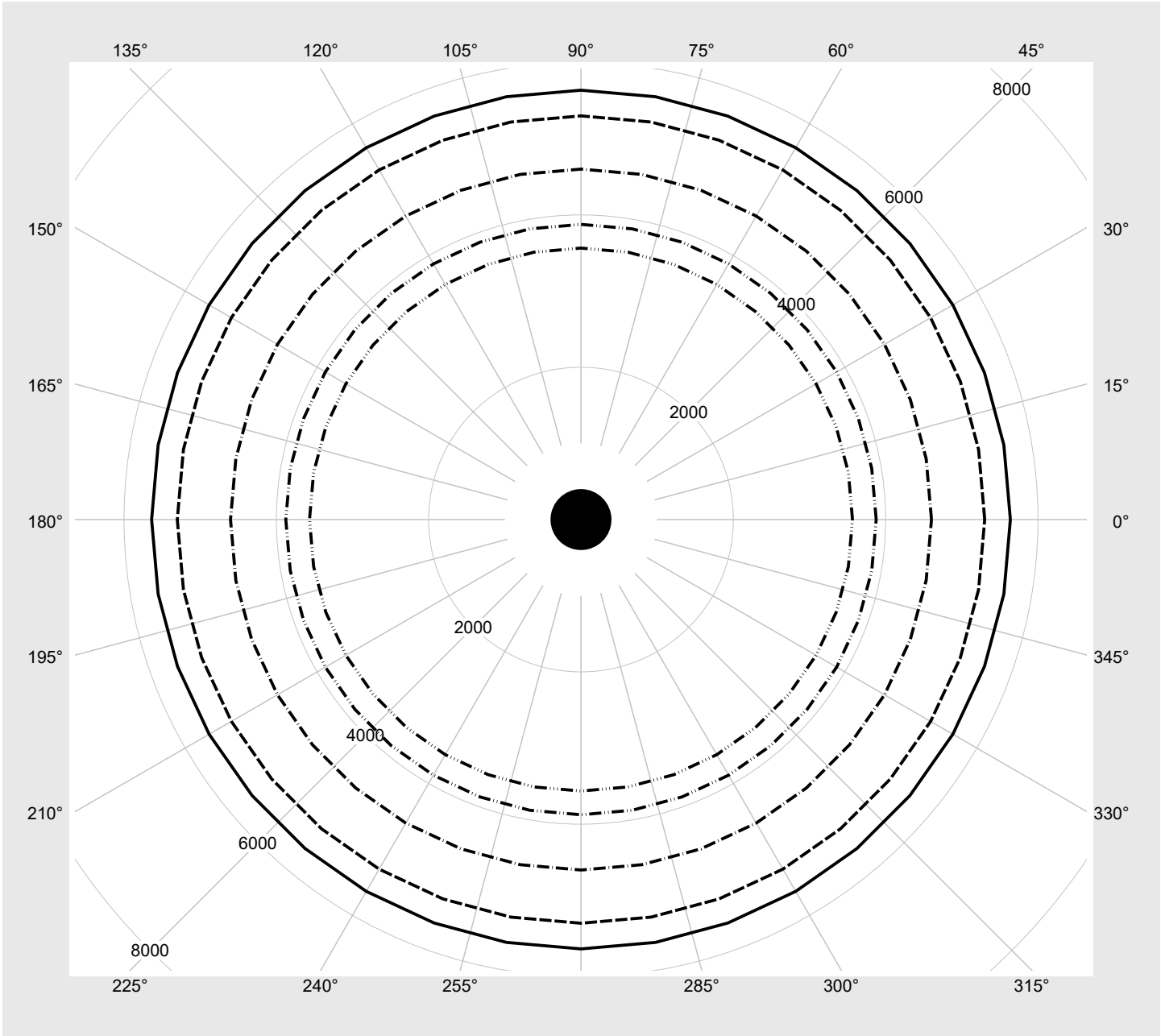
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
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C-planes	0°
γ	Luminance in cd/m ²
45,0°	21753.8
50,0°	12085.9
55,0°	8216.9
60,0°	6422.5
65,0°	5637.7
70,0°	5300.7
75,0°	4601.8
80,0°	3876.0
85,0°	3564.7

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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	3680	26.5
1	ON	OFF	OFF	3450	24.5
2	OFF	ON	OFF	3220	22.5
3	ON	ON	OFF	2980	20.5
4	OFF	OFF	ON	2730	18.5
5	ON	OFF	ON	2480	16.6
6	OFF	ON	ON	2230	14.8
7	ON	ON	ON	1960	12.9