

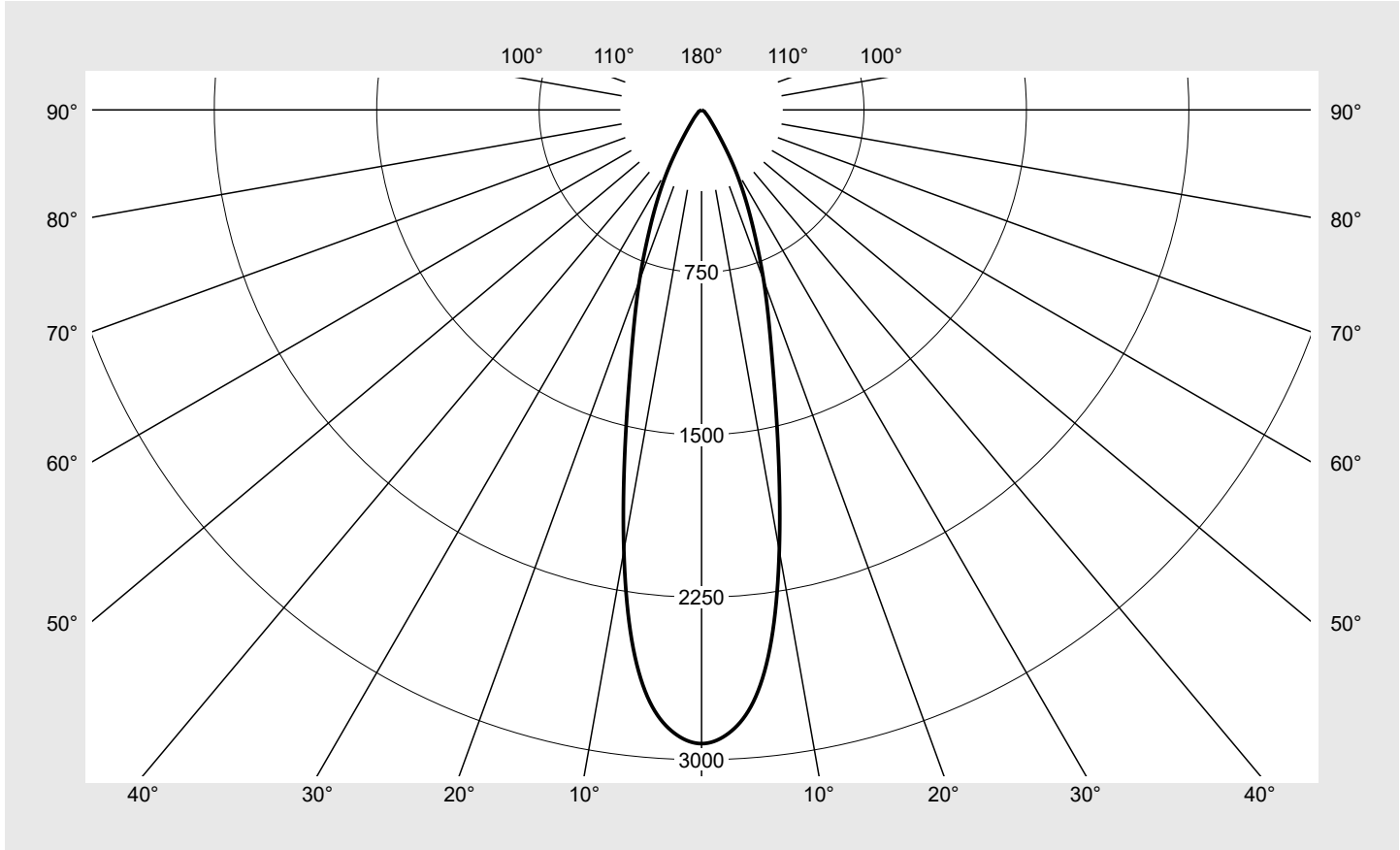


Photometric test report

Family Spot 21 Standard	Order number: 51SE12MA2CB2C EAN: 4069025446855	LP number 59930_10										
	<table border="0"> <tr> <td>Version</td> <td>housing, white, reflector, lens PMMA, medium 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=6</td> </tr> <tr> <td>Rated values</td> <td> Net luminous flux = 2120 lm Power consumption = 14.8 W Luminous efficacy = 143.2 lm/W </td> </tr> </table>	Version	housing, white, reflector, lens PMMA, medium distribution	Lamps	LED 3000 K CRI ≥ 90	Controlgear	ECG Multilumen	Setting	factory setting: DIP-Step=6	Rated values	Net luminous flux = 2120 lm Power consumption = 14.8 W Luminous efficacy = 143.2 lm/W	serial documentation 11.05.2026 
Version	housing, white, reflector, lens PMMA, medium distribution											
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Luminous intensity in cd/klm C180-0 **Imax: 2926 cd/klm**



Classifications	
DIN 5040	A 8 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	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
0,0°	2925.8	4.4	4.4
2,5°	2880.2	34.4	38.8
5,0°	2743.4	65.5	104.4
7,5°	2469.4	88.4	192.7
10,0°	2066.4	98.4	291.1
12,5°	1641.6	97.4	388.5
15,0°	1288.9	91.5	479.9
17,5°	1036.1	85.4	565.3
20,0°	838.8	78.6	644.0
22,5°	662.8	69.5	713.5
25,0°	519.2	60.2	773.7
27,5°	397.3	50.3	824.0
30,0°	287.9	39.5	863.4
32,5°	189.6	27.9	891.4
35,0°	126.2	19.8	911.2
37,5°	88.2	14.7	925.9
40,0°	65.4	11.5	937.4
42,5°	51.6	9.6	947.0
45,0°	39.6	7.7	954.7
47,5°	31.5	6.4	961.0
50,0°	25.2	5.3	966.3
52,5°	21.1	4.6	970.9
55,0°	19.1	4.3	975.2
57,5°	17.3	4.0	979.2
60,0°	15.4	3.6	982.8
62,5°	13.7	3.3	986.2
65,0°	11.8	2.9	989.1
67,5°	9.9	2.5	991.6
70,0°	8.2	2.1	993.7
72,5°	6.8	1.8	995.5
75,0°	5.5	1.5	997.0
77,5°	4.3	1.2	998.1
80,0°	3.2	0.9	999.0
82,5°	2.1	0.6	999.6
85,0°	1.2	0.3	999.9
87,5°	0.3	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	19.2	20.2	19.5	20.5	20.9	19.2	20.2	19.5	20.5	20.9
	3H	19.6	20.6	20.0	20.9	21.3	19.6	20.6	20.0	20.9	21.3
	4H	19.8	20.7	20.2	21.0	21.4	19.8	20.7	20.2	21.0	21.4
	6H	20.0	20.7	20.4	21.1	21.5	20.0	20.7	20.4	21.1	21.5
	8H	20.2	20.7	20.6	21.1	21.5	20.2	20.7	20.6	21.1	21.5
	12H	20.2	20.7	20.6	21.1	21.5	20.2	20.7	20.6	21.1	21.5
4H	2H	19.3	20.1	19.7	20.5	20.9	19.3	20.1	19.7	20.5	20.9
	3H	19.9	20.6	20.3	21.0	21.4	19.9	20.6	20.3	21.0	21.4
	4H	20.2	20.8	20.6	21.2	21.7	20.2	20.8	20.6	21.2	21.7
	6H	20.4	20.9	20.9	21.4	21.8	20.4	20.9	20.9	21.4	21.8
	8H	20.5	20.9	21.0	21.4	21.9	20.5	20.9	21.0	21.4	21.9
	12H	20.6	20.9	21.1	21.4	21.9	20.6	20.9	21.1	21.4	21.9
8H	4H	20.3	20.7	20.7	21.2	21.6	20.3	20.7	20.7	21.2	21.6
	6H	20.5	20.9	21.0	21.4	21.9	20.5	20.9	21.0	21.4	21.9
	8H	20.6	20.9	21.1	21.4	22.0	20.6	20.9	21.1	21.4	22.0
	12H	20.7	20.9	21.2	21.5	22.0	20.7	20.9	21.2	21.5	22.0
12H	4H	20.3	20.6	20.8	21.1	21.6	20.3	20.6	20.8	21.1	21.6
	6H	20.6	20.8	21.1	21.3	21.9	20.6	20.8	21.1	21.3	21.9
	8H	20.7	20.9	21.2	21.4	22.0	20.7	20.9	21.2	21.4	22.0

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 62
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C-planes	0°
γ	Luminance in cd/m ²
45,0°	39288.6
50,0°	27533.7
55,0°	23356.3
60,0°	21575.9
65,0°	19687.7
70,0°	16905.3
75,0°	14984.5
80,0°	12992.8
85,0°	9708.5

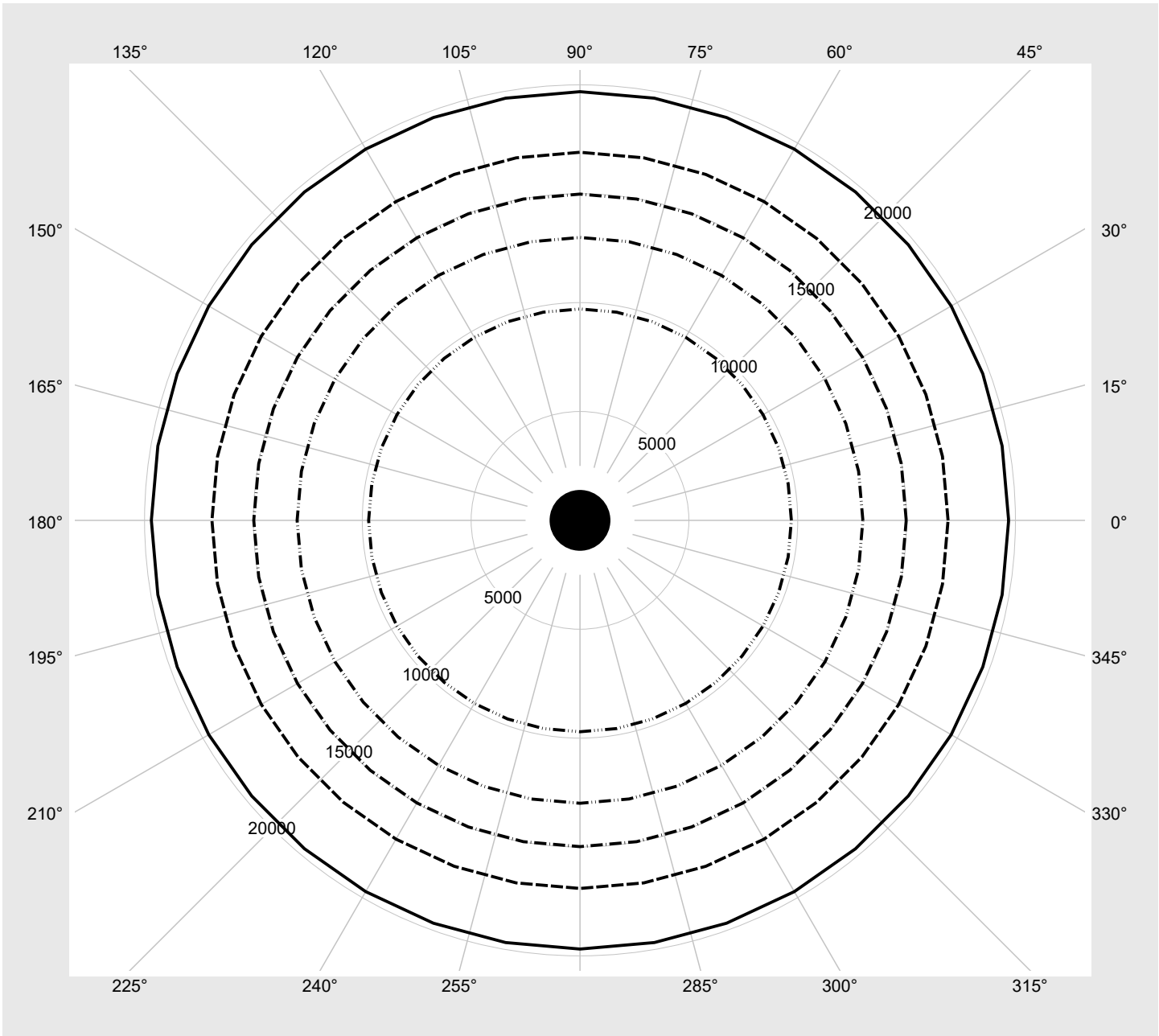
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Luminance values in cd/m²

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	3500	26.5
1	ON	OFF	OFF	3280	24.4
2	OFF	ON	OFF	3060	22.4
3	ON	ON	OFF	2830	20.4
4	OFF	OFF	ON	2600	18.5
5	ON	OFF	ON	2360	16.5
6	OFF	ON	ON	2120	14.8
7	ON	ON	ON	1870	12.8