

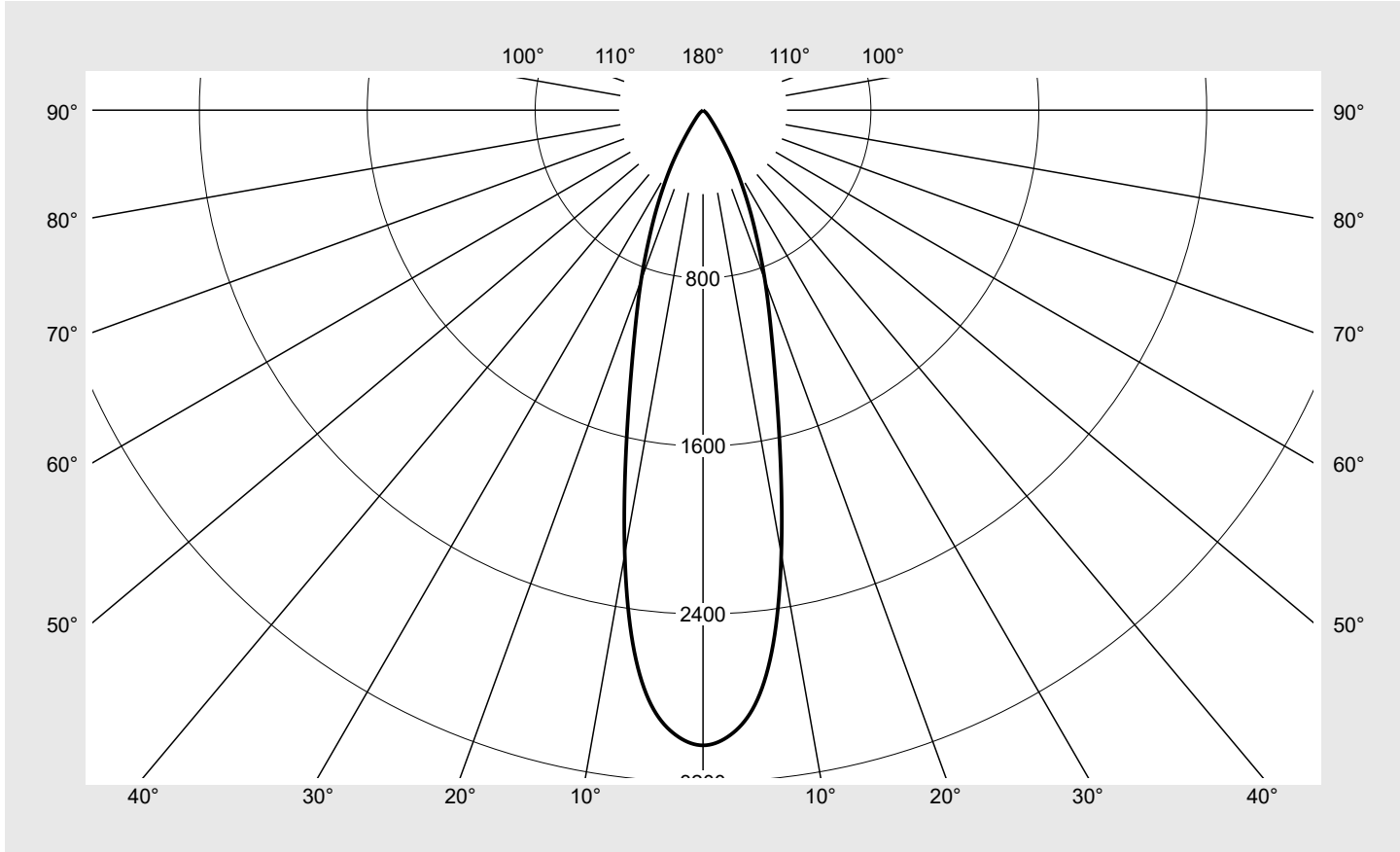


Photometric test report

Family Spot 21 Standard	Order number: 51SE62MA2EA2C EAN: 4069025447821	LP number 59941_9
	Version housing, white aluminium, reflector, lens PMMA, medium distribution	serial documentation 11.05.2026
	Lamps LED 2700 K CRI ≥ 90 Controlgear ECG Multilumen Setting factory setting: DIP-Step=6 Rated values Net luminous flux = 2030 lm Power consumption = 14.8 W Luminous efficacy = 137.2 lm/W	
		

Luminous intensity in cd/klm C180-0 **Imax: 3026 cd/klm**



Classifications	
DIN 5040	A 8 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°	3025.7	4.5	4.5
2,5°	2979.2	35.6	40.1
5,0°	2842.5	67.9	108.1
7,5°	2563.3	91.7	199.8
10,0°	2148.0	102.2	302.0
12,5°	1703.6	101.1	403.1
15,0°	1334.8	94.7	497.8
17,5°	1067.8	88.0	585.8
20,0°	862.9	80.9	666.7
22,5°	681.8	71.5	738.3
25,0°	533.0	61.7	800.0
27,5°	402.1	50.9	850.9
30,0°	293.4	40.2	891.1
32,5°	193.5	28.5	919.6
35,0°	123.6	19.4	939.1
37,5°	81.8	13.6	952.7
40,0°	57.0	10.1	962.8
42,5°	42.5	7.9	970.6
45,0°	31.1	6.0	976.7
47,5°	23.0	4.6	981.3
50,0°	16.9	3.5	984.9
52,5°	12.1	2.6	987.5
55,0°	10.0	2.3	989.7
57,5°	8.6	2.0	991.7
60,0°	7.2	1.7	993.4
62,5°	5.9	1.4	994.9
65,0°	4.7	1.2	996.1
67,5°	3.6	0.9	997.0
70,0°	2.8	0.7	997.7
72,5°	2.4	0.6	998.3
75,0°	2.0	0.5	998.9
77,5°	1.5	0.4	999.3
80,0°	1.2	0.3	999.6
82,5°	0.8	0.2	999.8
85,0°	0.5	0.1	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	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	17.7	18.7	18.1	19.0	19.4	17.7	18.7	18.1	19.0	19.4
	3H	17.6	18.5	18.0	18.9	19.2	17.6	18.5	18.0	18.9	19.2
	4H	17.7	18.4	18.1	18.8	19.2	17.7	18.4	18.1	18.8	19.2
	6H	17.7	18.3	18.1	18.7	19.1	17.7	18.3	18.1	18.7	19.1
	8H	17.7	18.3	18.2	18.7	19.1	17.7	18.3	18.2	18.7	19.1
	12H	17.7	18.2	18.1	18.6	19.0	17.7	18.2	18.1	18.6	19.0
4H	2H	17.6	18.4	18.0	18.7	19.1	17.6	18.4	18.0	18.7	19.1
	3H	17.5	18.2	18.0	18.6	19.0	17.5	18.2	18.0	18.6	19.0
	4H	17.5	18.1	18.0	18.5	19.0	17.5	18.1	18.0	18.5	19.0
	6H	17.5	18.0	18.0	18.4	18.9	17.5	18.0	18.0	18.4	18.9
	8H	17.5	17.9	18.0	18.4	18.9	17.5	17.9	18.0	18.4	18.9
	12H	17.5	17.8	18.0	18.3	18.8	17.5	17.8	18.0	18.3	18.8
8H	4H	17.4	17.8	17.9	18.3	18.8	17.4	17.8	17.9	18.3	18.8
	6H	17.4	17.8	17.9	18.2	18.7	17.4	17.8	17.9	18.2	18.7
	8H	17.4	17.7	17.9	18.2	18.7	17.4	17.7	17.9	18.2	18.7
	12H	17.4	17.6	18.0	18.1	18.7	17.4	17.6	18.0	18.1	18.7
12H	4H	17.4	17.7	17.9	18.2	18.7	17.4	17.7	17.9	18.2	18.7
	6H	17.4	17.7	17.9	18.2	18.7	17.4	17.7	17.9	18.2	18.7
	8H	17.4	17.6	17.9	18.1	18.7	17.4	17.6	17.9	18.1	18.7

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°	29604.6
50,0°	17649.1
55,0°	11773.2
60,0°	9724.1
65,0°	7509.6
70,0°	5528.2
75,0°	5219.2
80,0°	4665.9
85,0°	3872.8

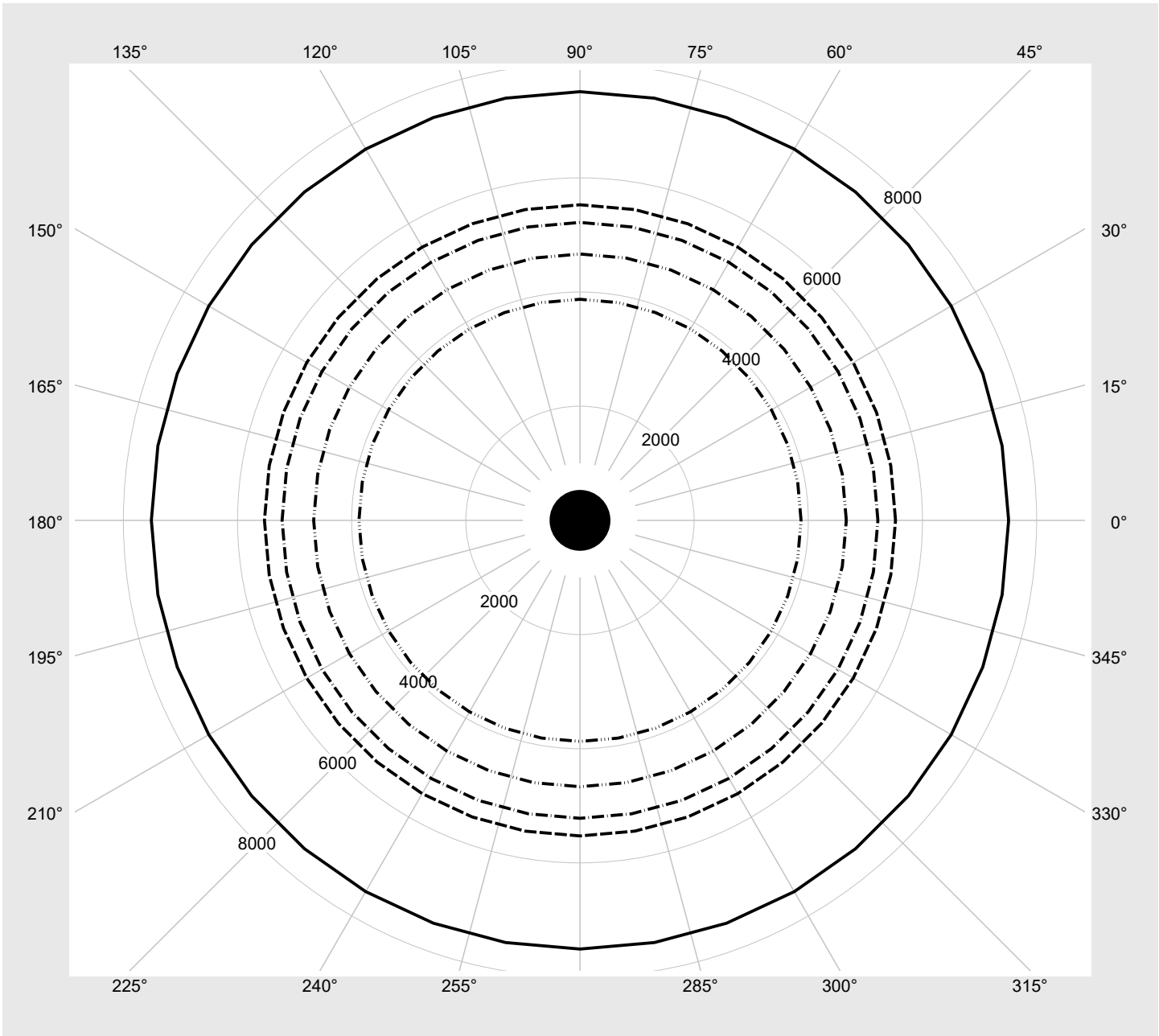
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Luminance values in cd/m²

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	3350	26.5
1	ON	OFF	OFF	3140	24.4
2	OFF	ON	OFF	2930	22.4
3	ON	ON	OFF	2710	20.4
4	OFF	OFF	ON	2490	18.5
5	ON	OFF	ON	2260	16.5
6	OFF	ON	ON	2030	14.8
7	ON	ON	ON	1790	12.8