

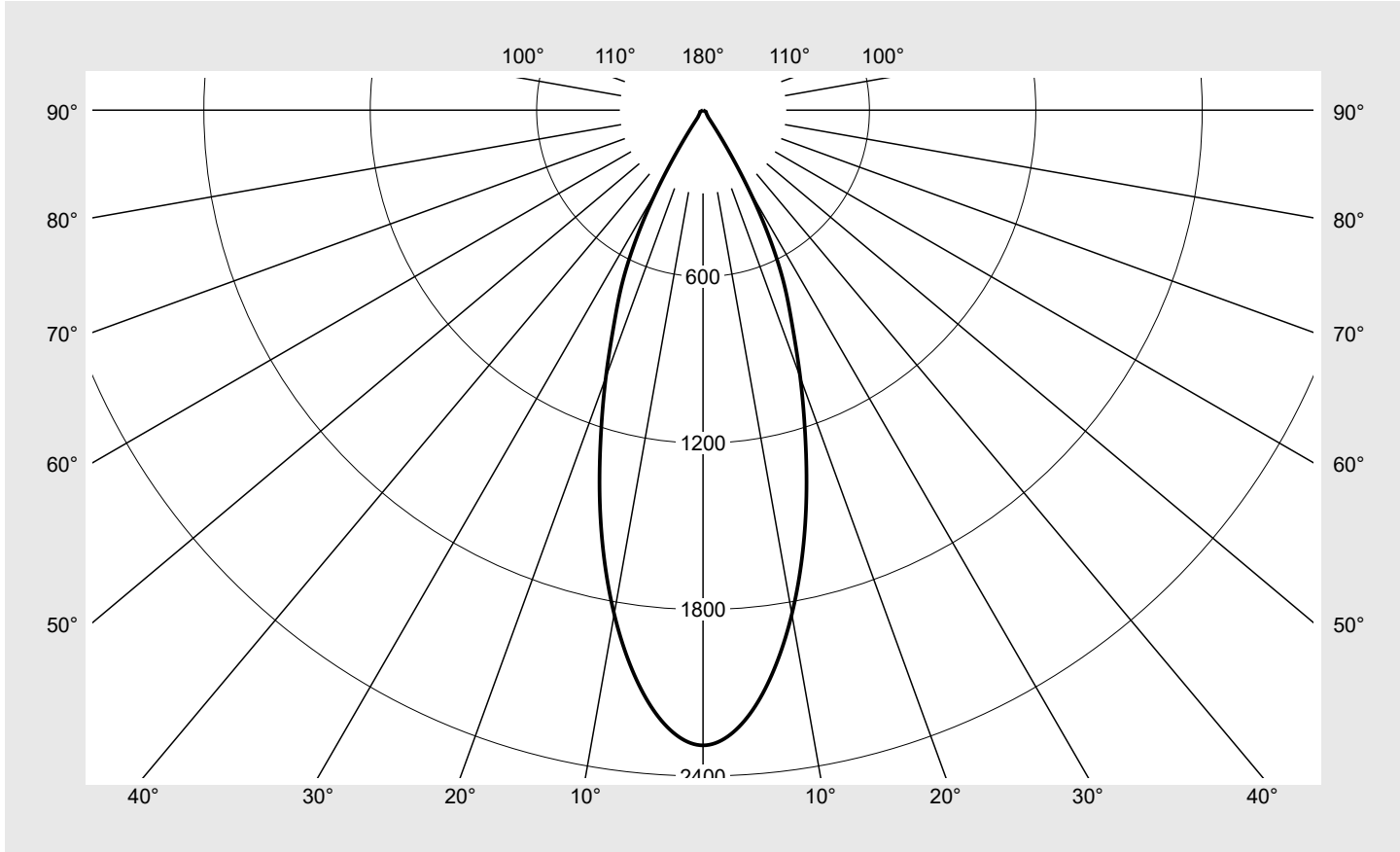


Photometric test report

Family Spot 21 Standard	Order number: 51SE13MB11D2C EAN: 4069025447074	LP number 59929_30
	Version housing, white, reflector, cover glass, transparent, medium distribution Lamps LED 4000 K CRI ≥ 90 Controlgear ECG Multilumen Setting factory setting: DIP-Step=4	serial documentation 11.05.2026
	Rated values Net luminous flux = 3020 lm Power consumption = 18.5 W Luminous efficacy = 163.2 lm/W	

Luminous intensity in cd/klm C180-0 **Imax: 2290 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=96 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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sITeco

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°	2289.5	3.4	3.4
2,5°	2252.9	26.9	30.4
5,0°	2156.9	51.5	81.9
7,5°	2016.0	72.1	154.0
10,0°	1844.4	87.8	241.8
12,5°	1650.3	97.9	339.8
15,0°	1440.1	102.2	441.9
17,5°	1224.6	100.9	542.9
20,0°	1024.7	96.1	639.0
22,5°	841.7	88.3	727.2
25,0°	691.4	80.1	807.3
27,5°	518.9	65.7	873.0
30,0°	329.4	45.2	918.2
32,5°	151.6	22.3	940.5
35,0°	46.4	7.3	947.8
37,5°	28.4	4.7	952.6
40,0°	23.2	4.1	956.6
42,5°	20.2	3.7	960.4
45,0°	18.0	3.5	963.9
47,5°	16.3	3.3	967.1
50,0°	15.1	3.2	970.3
52,5°	14.3	3.1	973.4
55,0°	13.6	3.1	976.5
57,5°	13.0	3.0	979.5
60,0°	12.3	2.9	982.5
62,5°	11.6	2.8	985.3
65,0°	10.9	2.7	988.0
67,5°	9.9	2.5	990.5
70,0°	8.9	2.3	992.8
72,5°	7.7	2.0	994.8
75,0°	6.2	1.6	996.5
77,5°	4.8	1.3	997.8
80,0°	3.6	1.0	998.7
82,5°	2.5	0.7	999.4
85,0°	1.5	0.4	999.8
87,5°	0.6	0.2	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	15.7	16.7	16.0	17.0	17.4	15.7	16.7	16.0	17.0	17.4
	3H	16.9	17.8	17.3	18.1	18.5	16.9	17.8	17.3	18.1	18.5
	4H	17.4	18.2	17.8	18.6	19.0	17.4	18.2	17.8	18.6	19.0
	6H	17.8	18.5	18.2	18.9	19.3	17.8	18.5	18.2	18.9	19.3
	8H	18.0	18.6	18.5	19.0	19.4	18.0	18.6	18.5	19.0	19.4
	12H	18.1	18.6	18.5	19.0	19.4	18.1	18.6	18.5	19.0	19.4
4H	2H	16.1	16.9	16.5	17.3	17.6	16.1	16.9	16.5	17.3	17.6
	3H	17.5	18.2	17.9	18.6	19.0	17.5	18.2	17.9	18.6	19.0
	4H	18.1	18.7	18.6	19.2	19.6	18.1	18.7	18.6	19.2	19.6
	6H	18.6	19.1	19.0	19.6	20.0	18.6	19.1	19.0	19.6	20.0
	8H	18.8	19.2	19.3	19.7	20.2	18.8	19.2	19.3	19.7	20.2
	12H	18.9	19.2	19.4	19.7	20.2	18.9	19.2	19.4	19.7	20.2
8H	4H	18.4	18.8	18.9	19.3	19.8	18.4	18.8	18.9	19.3	19.8
	6H	19.0	19.3	19.5	19.8	20.3	19.0	19.3	19.5	19.8	20.3
	8H	19.1	19.5	19.7	20.0	20.5	19.1	19.5	19.7	20.0	20.5
	12H	19.3	19.5	19.8	20.1	20.6	19.3	19.5	19.8	20.1	20.6
12H	4H	18.4	18.7	18.9	19.2	19.7	18.4	18.7	18.9	19.2	19.7
	6H	19.0	19.3	19.5	19.8	20.3	19.0	19.3	19.5	19.8	20.3
	8H	19.2	19.5	19.7	20.0	20.5	19.2	19.5	19.7	20.0	20.5

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
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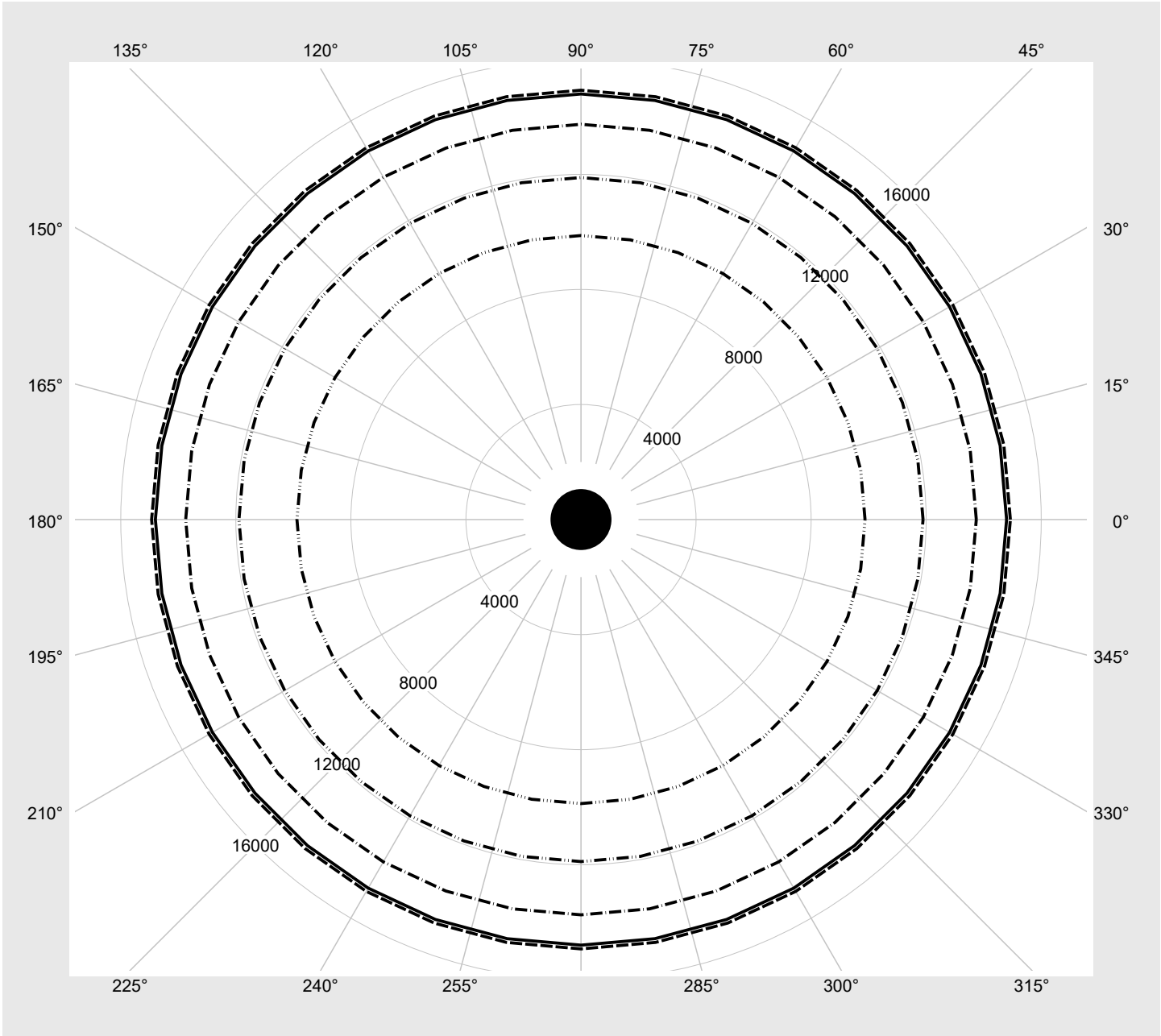
C-planes	0°
γ	Luminance in cd/m ²
45,0°	14522.4
50,0°	13476.5
55,0°	13602.2
60,0°	14112.3
65,0°	14796.5
70,0°	14927.7
75,0°	13743.1
80,0°	11891.8
85,0°	9874.8

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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	4070	26.5
1	ON	OFF	OFF	3820	24.5
2	OFF	ON	OFF	3560	22.5
3	ON	ON	OFF	3290	20.5
4	OFF	OFF	ON	3020	18.5
5	ON	OFF	ON	2740	16.6
6	OFF	ON	ON	2460	14.8
7	ON	ON	ON	2170	12.9