
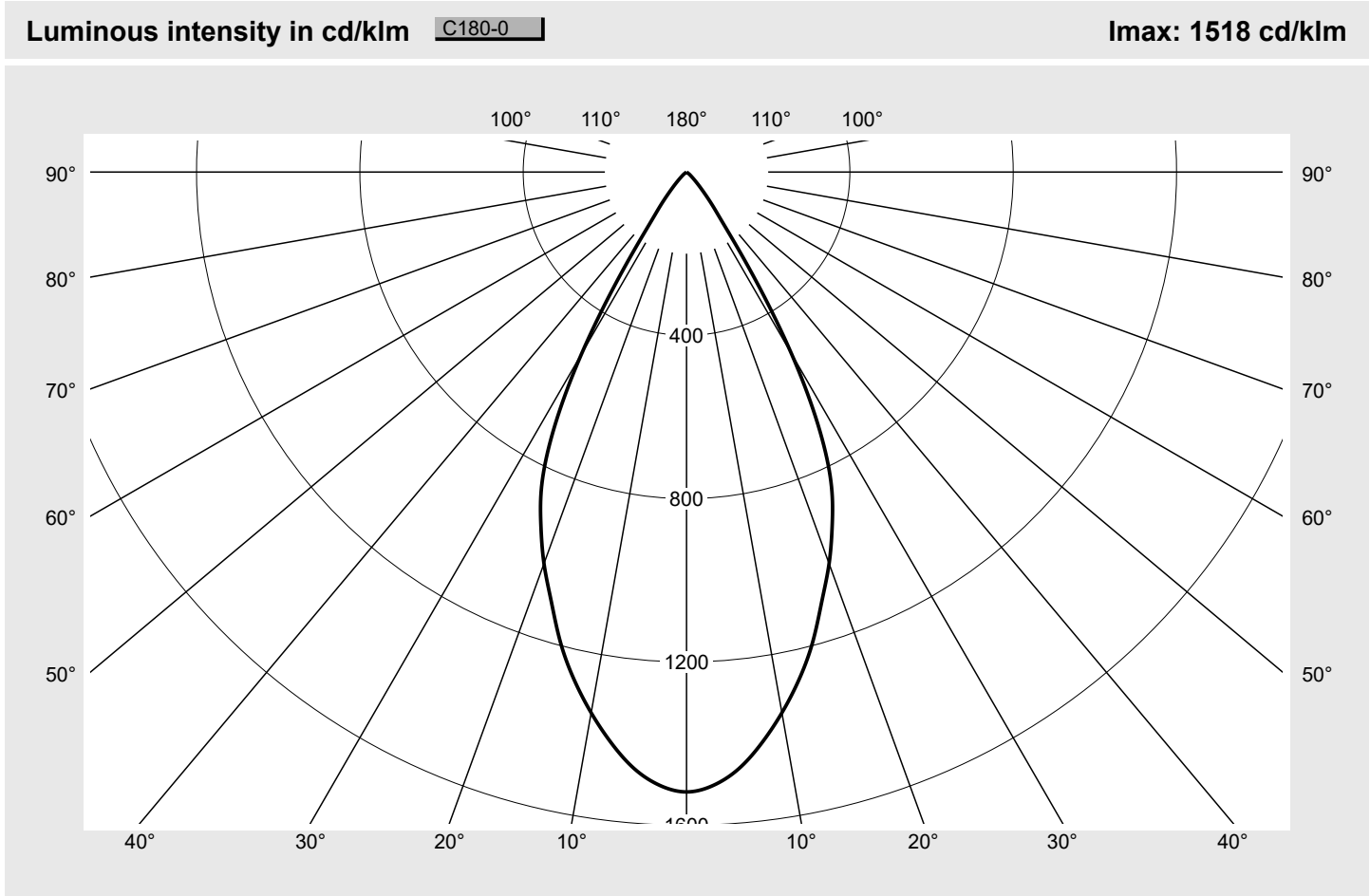


Photometric test report

Family Spot 21 Standard	Order number: 51SE34MB11D2C EAN: 4069025447654	LP number 59934_30
	Version housing, black, reflector, cover glass, transparent, wide distribution Lamps LED 4000 K CRI ≥ 90 Controlgear ECG Multilumen Setting factory setting: DIP-Step=4 Rated values Net luminous flux = 2810 lm Power consumption = 18.5 W Luminous efficacy = 151.9 lm/W	serial documentation 11.05.2026
		



Classifications	
DIN 5040	A 8 0
CIE	N1=98 N2=100 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°	1518.5	2.3	2.3
2,5°	1503.9	18.0	20.3
5,0°	1467.3	35.1	55.3
7,5°	1410.8	50.5	105.8
10,0°	1345.0	64.0	169.8
12,5°	1273.2	75.5	245.4
15,0°	1192.8	84.6	330.0
17,5°	1102.1	90.9	420.8
20,0°	1020.8	95.7	516.6
22,5°	932.5	97.8	614.4
25,0°	836.7	96.9	711.3
27,5°	696.4	88.2	799.5
30,0°	514.1	70.5	869.9
32,5°	318.7	46.9	916.9
35,0°	172.5	27.1	944.0
37,5°	109.8	18.3	962.3
40,0°	70.5	12.4	974.8
42,5°	44.6	8.3	983.0
45,0°	28.1	5.4	988.5
47,5°	17.7	3.6	992.0
50,0°	11.6	2.4	994.5
52,5°	7.9	1.7	996.2
55,0°	5.3	1.2	997.4
57,5°	3.6	0.8	998.2
60,0°	2.5	0.6	998.8
62,5°	1.8	0.4	999.3
65,0°	1.2	0.3	999.6
67,5°	0.8	0.2	999.8
70,0°	0.5	0.1	999.9
72,5°	0.3	0.1	1000.0
75,0°	0.1	0.0	1000.0
77,5°	0.0	0.0	1000.0
80,0°	0.0	0.0	1000.0
82,5°	0.0	0.0	1000.0
85,0°	0.0	0.0	1000.0
87,5°	0.0	0.0	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	19.0	20.1	19.3	20.4	20.7	19.0	20.1	19.3	20.4	20.7
	3H	18.8	19.8	19.2	20.1	20.5	18.8	19.8	19.2	20.1	20.5
	4H	18.8	19.6	19.2	20.0	20.3	18.8	19.6	19.2	20.0	20.3
	6H	18.7	19.4	19.1	19.8	20.2	18.7	19.4	19.1	19.8	20.2
	8H	18.8	19.4	19.2	19.8	20.2	18.8	19.4	19.2	19.8	20.2
	12H	18.7	19.3	19.2	19.7	20.1	18.7	19.3	19.2	19.7	20.1
4H	2H	18.8	19.6	19.2	20.0	20.4	18.8	19.6	19.2	20.0	20.4
	3H	18.6	19.3	19.0	19.7	20.1	18.6	19.3	19.0	19.7	20.1
	4H	18.5	19.1	18.9	19.5	19.9	18.5	19.1	18.9	19.5	19.9
	6H	18.3	18.9	18.8	19.3	19.8	18.3	18.9	18.8	19.3	19.8
	8H	18.3	18.8	18.8	19.2	19.7	18.3	18.8	18.8	19.2	19.7
	12H	18.3	18.7	18.8	19.1	19.6	18.3	18.7	18.8	19.1	19.6
8H	4H	18.3	18.8	18.8	19.2	19.7	18.3	18.8	18.8	19.2	19.7
	6H	18.2	18.6	18.7	19.0	19.6	18.2	18.6	18.7	19.0	19.6
	8H	18.1	18.4	18.6	18.9	19.5	18.1	18.4	18.6	18.9	19.5
	12H	18.1	18.3	18.6	18.8	19.4	18.1	18.3	18.6	18.8	19.4
12H	4H	18.3	18.7	18.8	19.1	19.6	18.3	18.7	18.8	19.1	19.6
	6H	18.2	18.4	18.7	18.9	19.5	18.2	18.4	18.7	18.9	19.5
	8H	18.1	18.3	18.6	18.8	19.4	18.1	18.3	18.6	18.8	19.4

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°	21112.8
50,0°	9622.3
55,0°	4926.9
60,0°	2665.8
65,0°	1513.4
70,0°	779.4
75,0°	205.6
80,0°	0.0
85,0°	0.0

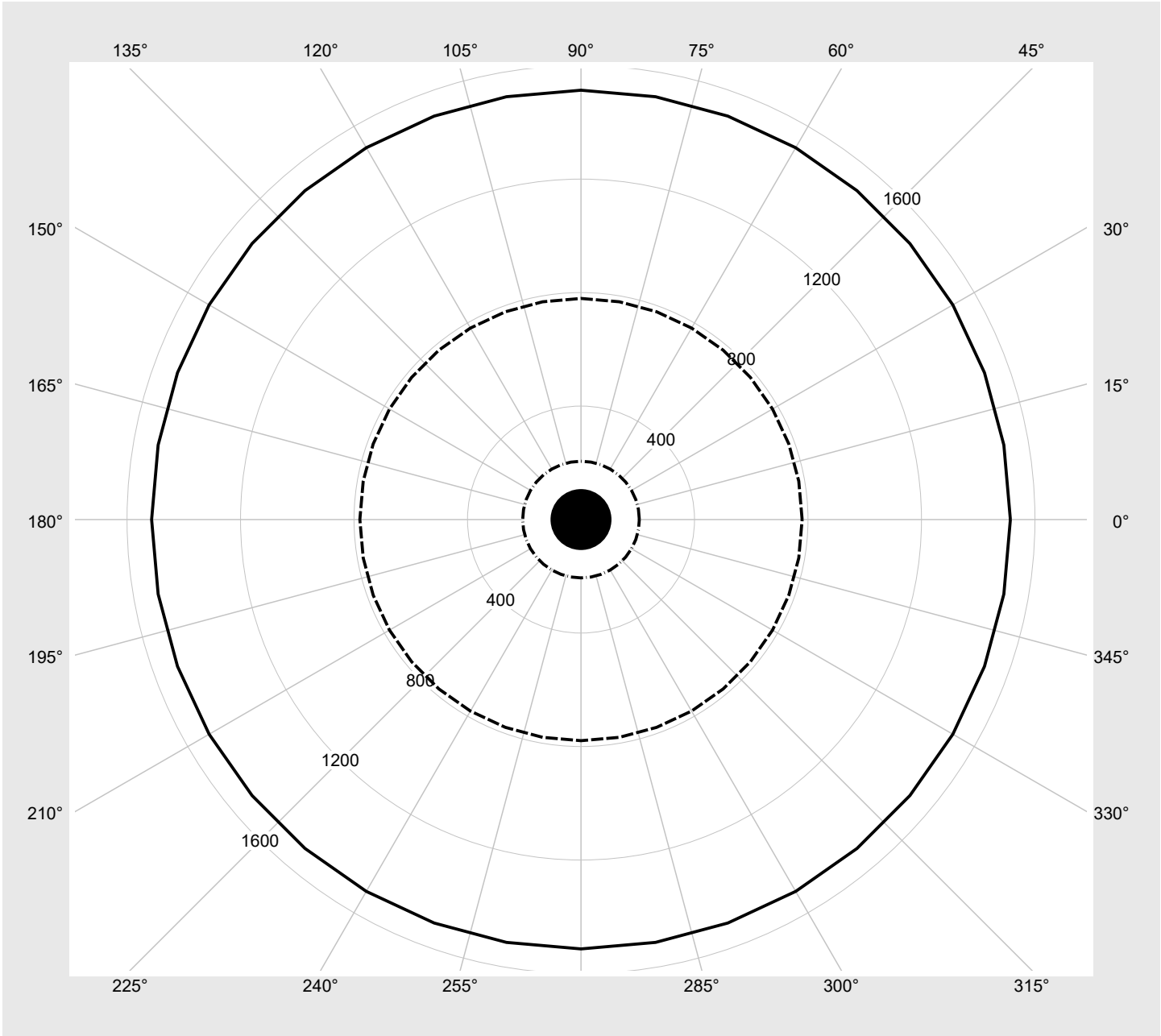
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Luminance values in cd/m²

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	3790	26.5
1	ON	OFF	OFF	3550	24.5
2	OFF	ON	OFF	3310	22.5
3	ON	ON	OFF	3070	20.5
4	OFF	OFF	ON	2810	18.5
5	ON	OFF	ON	2550	16.6
6	OFF	ON	ON	2290	14.8
7	ON	ON	ON	2020	12.9