
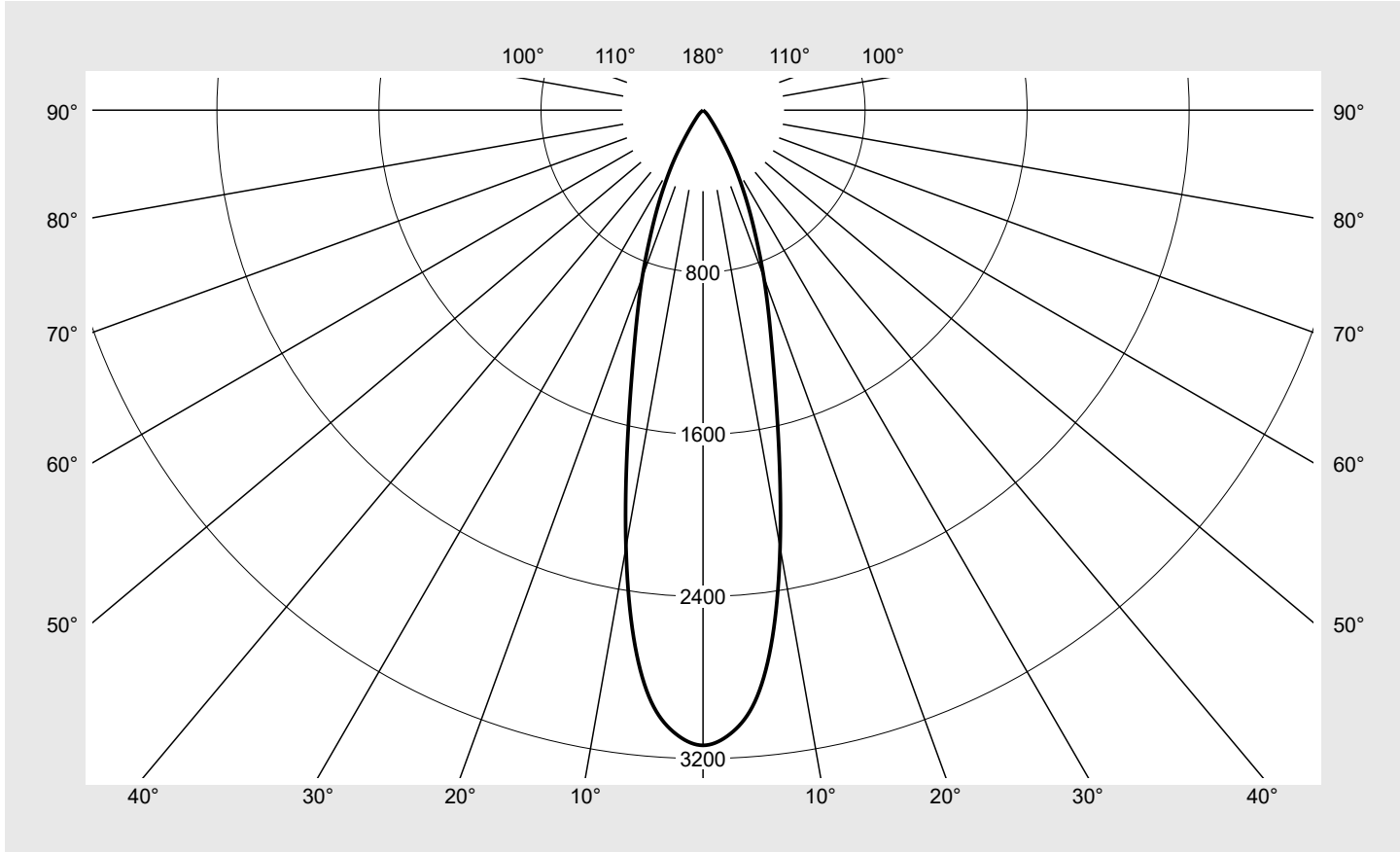


Photometric test report

Family Spot 21 Standard	Order number: 51SE32MA2DB2C EAN: 4069025447340	LP number 59939_10
	Version housing, black, 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 = 1990 lm Power consumption = 14.8 W Luminous efficacy = 134.5 lm/W	serial documentation 11.05.2026



Luminous intensity in cd/klm C180-0 **Imax: 3135 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=97 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°	3134.9	4.7	4.7
2,5°	3081.0	36.8	41.5
5,0°	2931.6	70.0	111.6
7,5°	2625.0	93.9	205.5
10,0°	2190.8	104.3	309.8
12,5°	1734.9	102.9	412.7
15,0°	1359.5	96.5	509.2
17,5°	1089.3	89.8	599.0
20,0°	876.8	82.2	681.2
22,5°	687.5	72.1	753.3
25,0°	534.4	61.9	815.2
27,5°	401.7	50.8	866.1
30,0°	290.7	39.8	905.9
32,5°	188.1	27.7	933.6
35,0°	118.3	18.6	952.2
37,5°	77.2	12.9	965.1
40,0°	52.9	9.3	974.4
42,5°	39.2	7.3	981.7
45,0°	27.9	5.4	987.1
47,5°	19.1	3.9	991.0
50,0°	13.2	2.8	993.7
52,5°	8.2	1.8	995.5
55,0°	6.2	1.4	996.9
57,5°	4.9	1.1	998.1
60,0°	3.6	0.9	998.9
62,5°	2.4	0.6	999.5
65,0°	1.4	0.3	999.8
67,5°	0.5	0.1	1000.0
70,0°	0.1	0.0	1000.0
72,5°	0.0	0.0	1000.0
75,0°	0.0	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	17.0	18.0	17.4	18.3	18.7	17.0	18.0	17.4	18.3	18.7
	3H	16.8	17.7	17.2	18.1	18.4	16.8	17.7	17.2	18.1	18.4
	4H	16.8	17.6	17.2	17.9	18.3	16.8	17.6	17.2	17.9	18.3
	6H	16.7	17.4	17.1	17.8	18.2	16.7	17.4	17.1	17.8	18.2
	8H	16.8	17.3	17.2	17.7	18.1	16.8	17.3	17.2	17.7	18.1
	12H	16.7	17.2	17.2	17.6	18.0	16.7	17.2	17.2	17.6	18.0
4H	2H	16.8	17.6	17.2	17.9	18.3	16.8	17.6	17.2	17.9	18.3
	3H	16.6	17.2	17.0	17.6	18.0	16.6	17.2	17.0	17.6	18.0
	4H	16.5	17.0	16.9	17.5	17.9	16.5	17.0	16.9	17.5	17.9
	6H	16.4	16.8	16.9	17.3	17.7	16.4	16.8	16.9	17.3	17.7
	8H	16.3	16.7	16.8	17.2	17.7	16.3	16.7	16.8	17.2	17.7
	12H	16.3	16.6	16.8	17.1	17.6	16.3	16.6	16.8	17.1	17.6
8H	4H	16.3	16.7	16.8	17.2	17.7	16.3	16.7	16.8	17.2	17.7
	6H	16.2	16.5	16.7	17.0	17.5	16.2	16.5	16.7	17.0	17.5
	8H	16.1	16.4	16.6	16.9	17.4	16.1	16.4	16.6	16.9	17.4
	12H	16.1	16.3	16.6	16.8	17.3	16.1	16.3	16.6	16.8	17.3
12H	4H	16.3	16.6	16.8	17.1	17.6	16.3	16.6	16.8	17.1	17.6
	6H	16.2	16.4	16.7	16.9	17.4	16.2	16.4	16.7	16.9	17.4
	8H	16.1	16.3	16.6	16.8	17.3	16.1	16.3	16.6	16.8	17.3

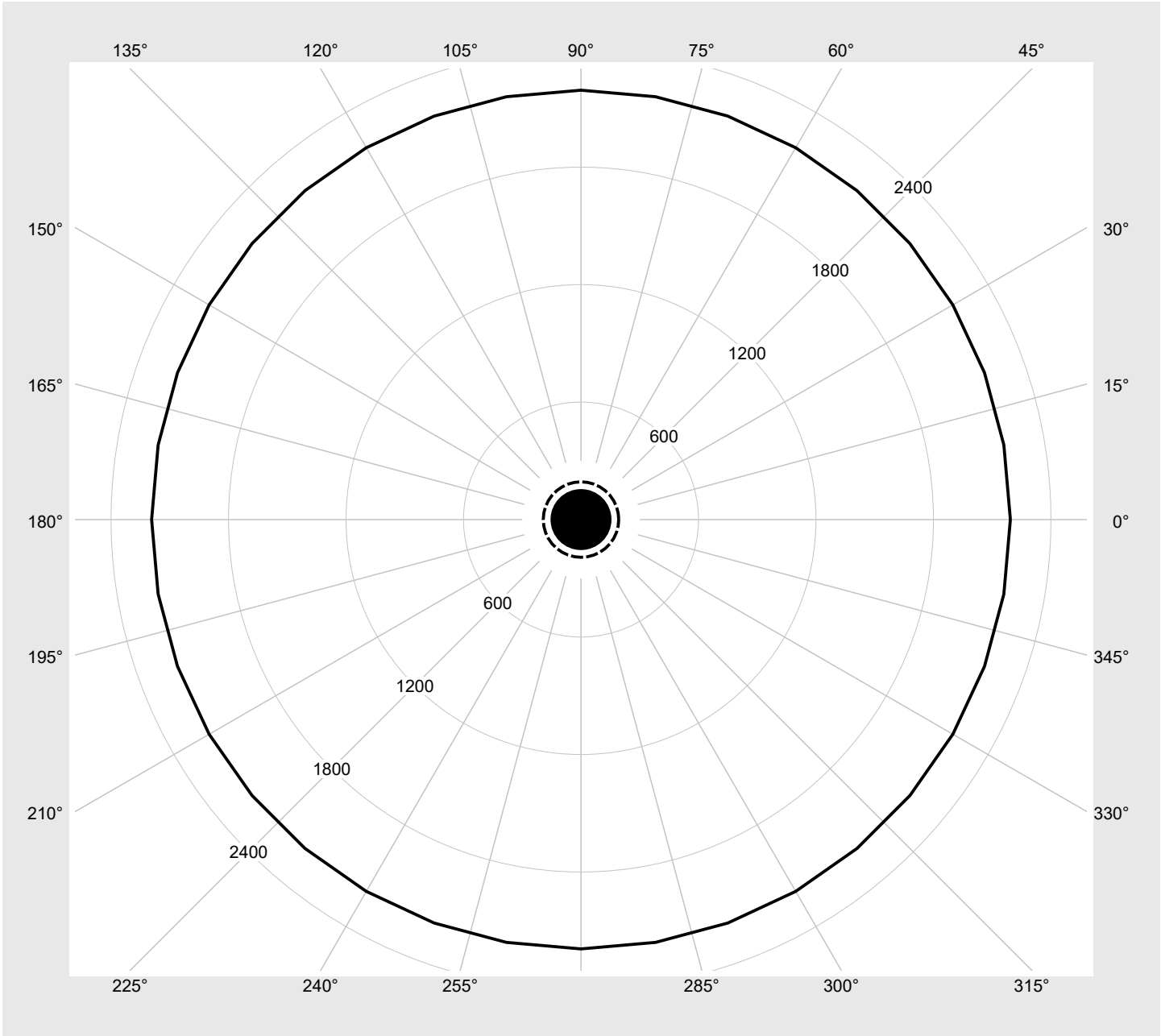
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 62
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C-planes	0°
γ	Luminance in cd/m ²
45,0°	26030.8
50,0°	13492.8
55,0°	7157.1
60,0°	4766.9
65,0°	2192.9
70,0°	192.7
75,0°	0.0
80,0°	0.0
85,0°	0.0

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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	3290	26.5
1	ON	OFF	OFF	3090	24.4
2	OFF	ON	OFF	2880	22.4
3	ON	ON	OFF	2660	20.4
4	OFF	OFF	ON	2450	18.5
5	ON	OFF	ON	2220	16.5
6	OFF	ON	ON	1990	14.8
7	ON	ON	ON	1760	12.8