

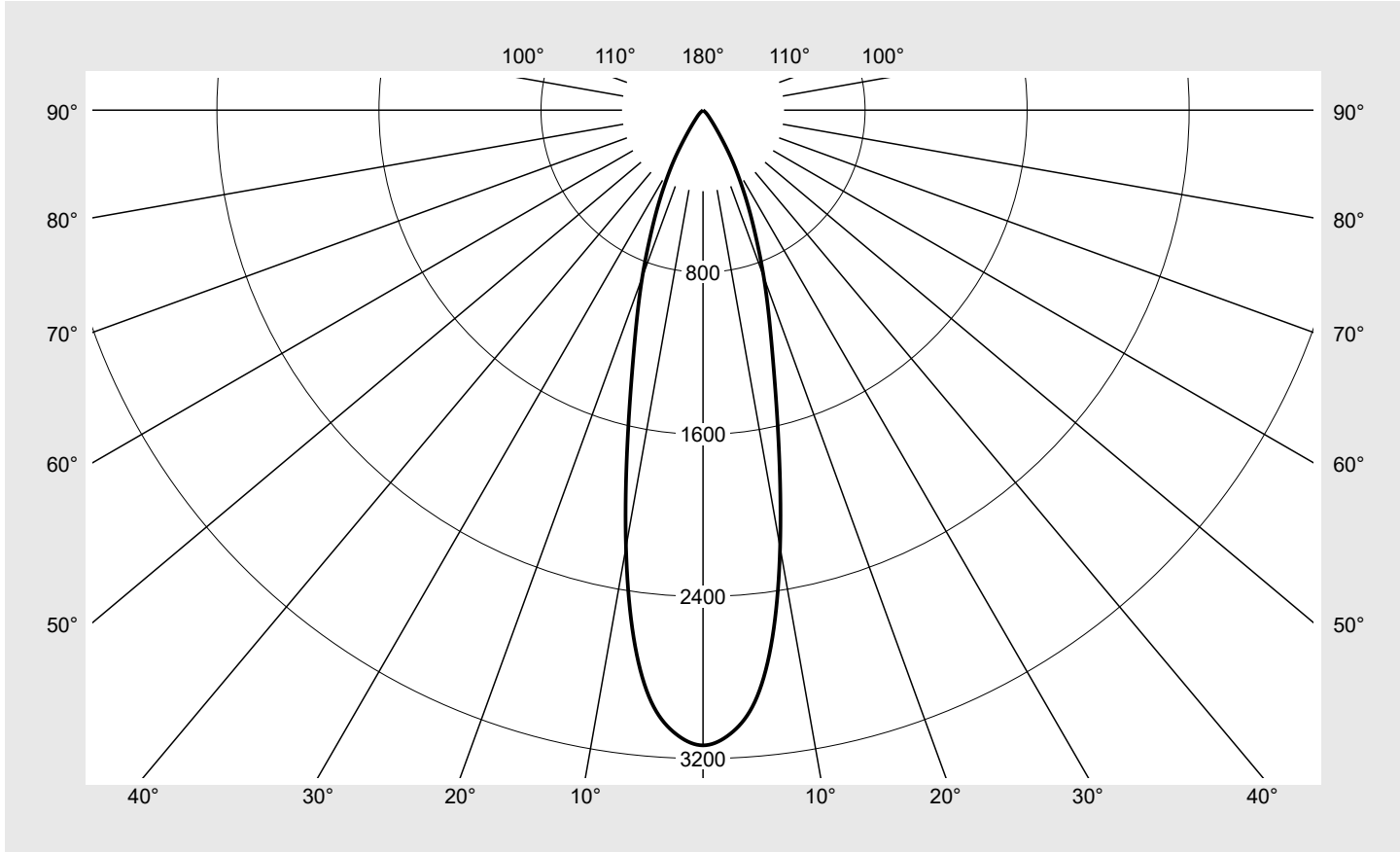


Photometric test report

Family Spot 21 Standard	Order number: 51SE32MA2DA2C EAN: 4069025447333	LP number 59939_9
	Version housing, black, 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 = 1900 lm Power consumption = 14.8 W Luminous efficacy = 128.4 lm/W		

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	16.9	17.9	17.2	18.2	18.5	16.9	17.9	17.2	18.2	18.5
	3H	16.7	17.6	17.1	17.9	18.3	16.7	17.6	17.1	17.9	18.3
	4H	16.6	17.4	17.0	17.8	18.1	16.6	17.4	17.0	17.8	18.1
	6H	16.6	17.2	17.0	17.6	18.0	16.6	17.2	17.0	17.6	18.0
	8H	16.6	17.1	17.1	17.5	17.9	16.6	17.1	17.1	17.5	17.9
	12H	16.6	17.0	17.0	17.4	17.9	16.6	17.0	17.0	17.4	17.9
4H	2H	16.6	17.4	17.0	17.8	18.1	16.6	17.4	17.0	17.8	18.1
	3H	16.4	17.1	16.9	17.5	17.9	16.4	17.1	16.9	17.5	17.9
	4H	16.3	16.9	16.8	17.3	17.7	16.3	16.9	16.8	17.3	17.7
	6H	16.2	16.7	16.7	17.1	17.6	16.2	16.7	16.7	17.1	17.6
	8H	16.2	16.6	16.6	17.0	17.5	16.2	16.6	16.6	17.0	17.5
	12H	16.2	16.5	16.7	16.9	17.4	16.2	16.5	16.7	16.9	17.4
8H	4H	16.2	16.6	16.6	17.0	17.5	16.2	16.6	16.6	17.0	17.5
	6H	16.0	16.3	16.5	16.8	17.3	16.0	16.3	16.5	16.8	17.3
	8H	15.9	16.2	16.5	16.7	17.3	15.9	16.2	16.5	16.7	17.3
	12H	15.9	16.1	16.5	16.6	17.2	15.9	16.1	16.5	16.6	17.2
12H	4H	16.2	16.5	16.7	16.9	17.4	16.2	16.5	16.7	16.9	17.4
	6H	16.0	16.2	16.5	16.7	17.3	16.0	16.2	16.5	16.7	17.3
	8H	15.9	16.1	16.5	16.6	17.2	15.9	16.1	16.5	16.6	17.2

siteco

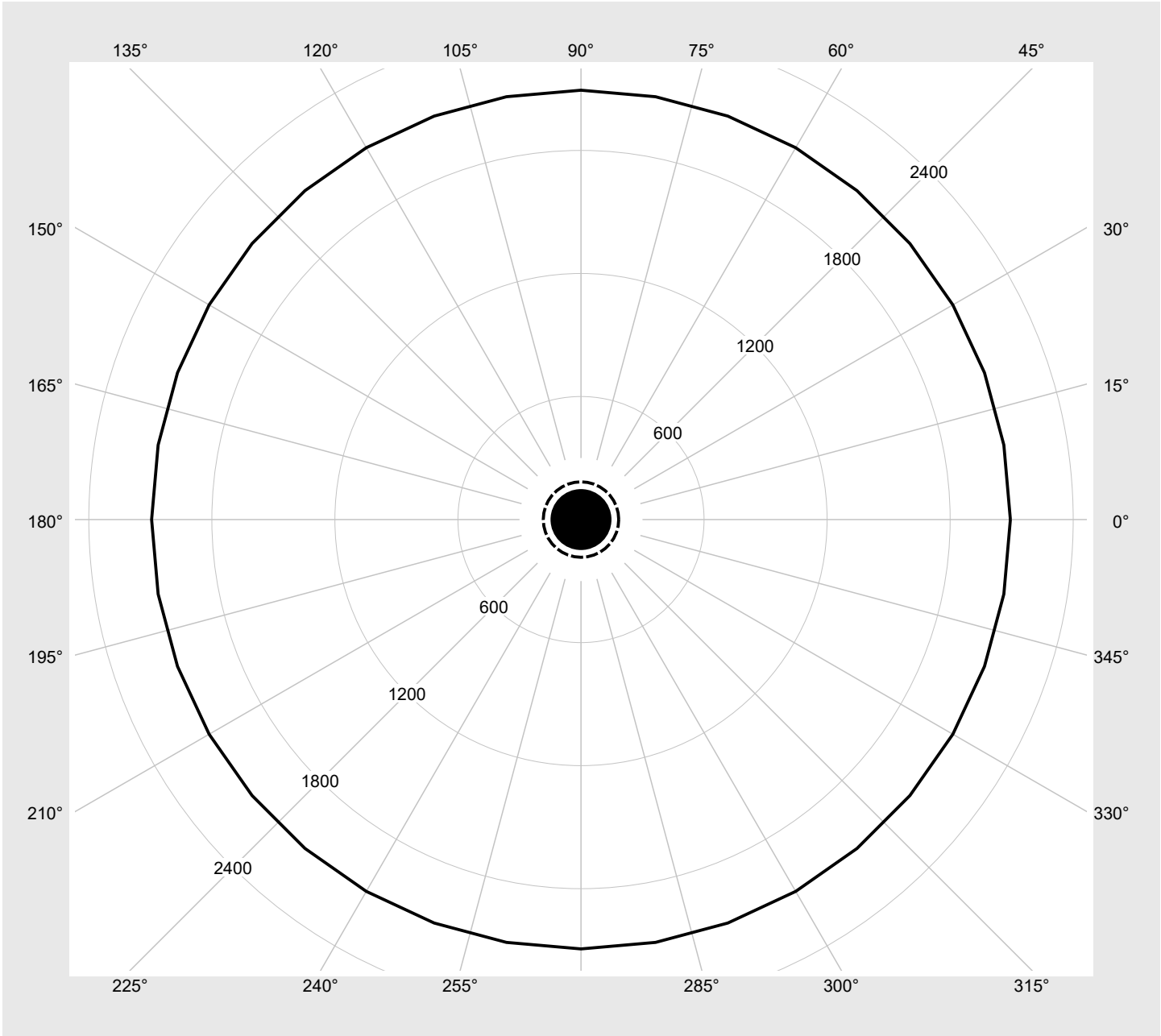
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 62
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C-planes	0°
γ	Luminance in cd/m ²
45,0°	24853.6
50,0°	12882.6
55,0°	6833.4
60,0°	4551.3
65,0°	2093.7
70,0°	184.0
75,0°	0.0
80,0°	0.0
85,0°	0.0

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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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	3130	26.5
1	ON	OFF	OFF	2940	24.4
2	OFF	ON	OFF	2740	22.4
3	ON	ON	OFF	2530	20.4
4	OFF	OFF	ON	2330	18.5
5	ON	OFF	ON	2110	16.5
6	OFF	ON	ON	1900	14.8
7	ON	ON	ON	1670	12.8