

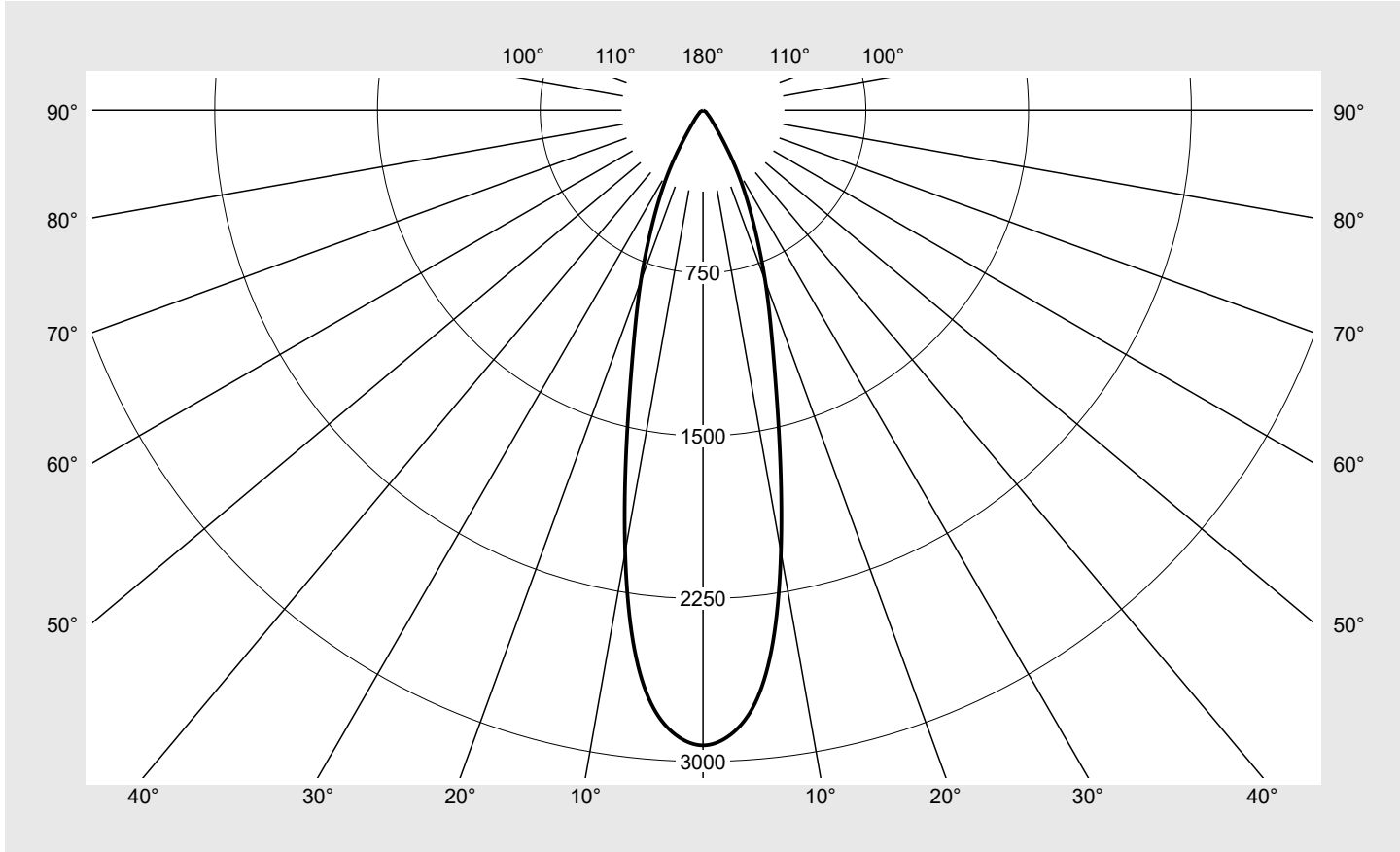


Photometric test report

Family Spot 21 Standard	Order number: 51SE12MA2CA2C EAN: 4069025446848	LP number 59930_9
	Version housing, white, reflector, lens PMMA, medium distribution Lamps LED 2700 K CRI ≥ 90 Controlgear ECG Multilumen Setting factory setting: DIP-Step=5	serial documentation 11.05.2026
	Rated values Net luminous flux = 2250 lm Power consumption = 16.5 W Luminous efficacy = 136.4 lm/W	

Luminous intensity in cd/klm C180-0 **Imax: 2926 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=94 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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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°	2925.8	4.4	4.4
2,5°	2880.2	34.4	38.8
5,0°	2743.4	65.5	104.4
7,5°	2469.4	88.4	192.7
10,0°	2066.4	98.4	291.1
12,5°	1641.6	97.4	388.5
15,0°	1288.9	91.5	479.9
17,5°	1036.1	85.4	565.3
20,0°	838.8	78.6	644.0
22,5°	662.8	69.5	713.5
25,0°	519.2	60.2	773.7
27,5°	397.3	50.3	824.0
30,0°	287.9	39.5	863.4
32,5°	189.6	27.9	891.4
35,0°	126.2	19.8	911.2
37,5°	88.2	14.7	925.9
40,0°	65.4	11.5	937.4
42,5°	51.6	9.6	947.0
45,0°	39.6	7.7	954.7
47,5°	31.5	6.4	961.0
50,0°	25.2	5.3	966.3
52,5°	21.1	4.6	970.9
55,0°	19.1	4.3	975.2
57,5°	17.3	4.0	979.2
60,0°	15.4	3.6	982.8
62,5°	13.7	3.3	986.2
65,0°	11.8	2.9	989.1
67,5°	9.9	2.5	991.6
70,0°	8.2	2.1	993.7
72,5°	6.8	1.8	995.5
75,0°	5.5	1.5	997.0
77,5°	4.3	1.2	998.1
80,0°	3.2	0.9	999.0
82,5°	2.1	0.6	999.6
85,0°	1.2	0.3	999.9
87,5°	0.3	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	19.4	20.4	19.7	20.7	21.1	19.4	20.4	19.7	20.7	21.1
	3H	19.8	20.8	20.2	21.1	21.5	19.8	20.8	20.2	21.1	21.5
	4H	20.1	20.9	20.5	21.2	21.6	20.1	20.9	20.5	21.2	21.6
	6H	20.2	20.9	20.6	21.3	21.7	20.2	20.9	20.6	21.3	21.7
	8H	20.4	20.9	20.8	21.3	21.7	20.4	20.9	20.8	21.3	21.7
	12H	20.4	20.9	20.8	21.3	21.7	20.4	20.9	20.8	21.3	21.7
4H	2H	19.5	20.3	19.9	20.7	21.1	19.5	20.3	19.9	20.7	21.1
	3H	20.1	20.8	20.6	21.2	21.6	20.1	20.8	20.6	21.2	21.6
	4H	20.4	21.0	20.8	21.4	21.9	20.4	21.0	20.8	21.4	21.9
	6H	20.6	21.1	21.1	21.6	22.0	20.6	21.1	21.1	21.6	22.0
	8H	20.7	21.1	21.2	21.6	22.1	20.7	21.1	21.2	21.6	22.1
	12H	20.8	21.1	21.3	21.6	22.1	20.8	21.1	21.3	21.6	22.1
8H	4H	20.5	20.9	20.9	21.4	21.8	20.5	20.9	20.9	21.4	21.8
	6H	20.7	21.1	21.2	21.6	22.1	20.7	21.1	21.2	21.6	22.1
	8H	20.8	21.1	21.3	21.6	22.2	20.8	21.1	21.3	21.6	22.2
	12H	20.9	21.1	21.5	21.7	22.2	20.9	21.1	21.5	21.7	22.2
12H	4H	20.5	20.8	21.0	21.3	21.8	20.5	20.8	21.0	21.3	21.8
	6H	20.8	21.0	21.3	21.5	22.1	20.8	21.0	21.3	21.5	22.1
	8H	20.9	21.1	21.4	21.6	22.2	20.9	21.1	21.4	21.6	22.2

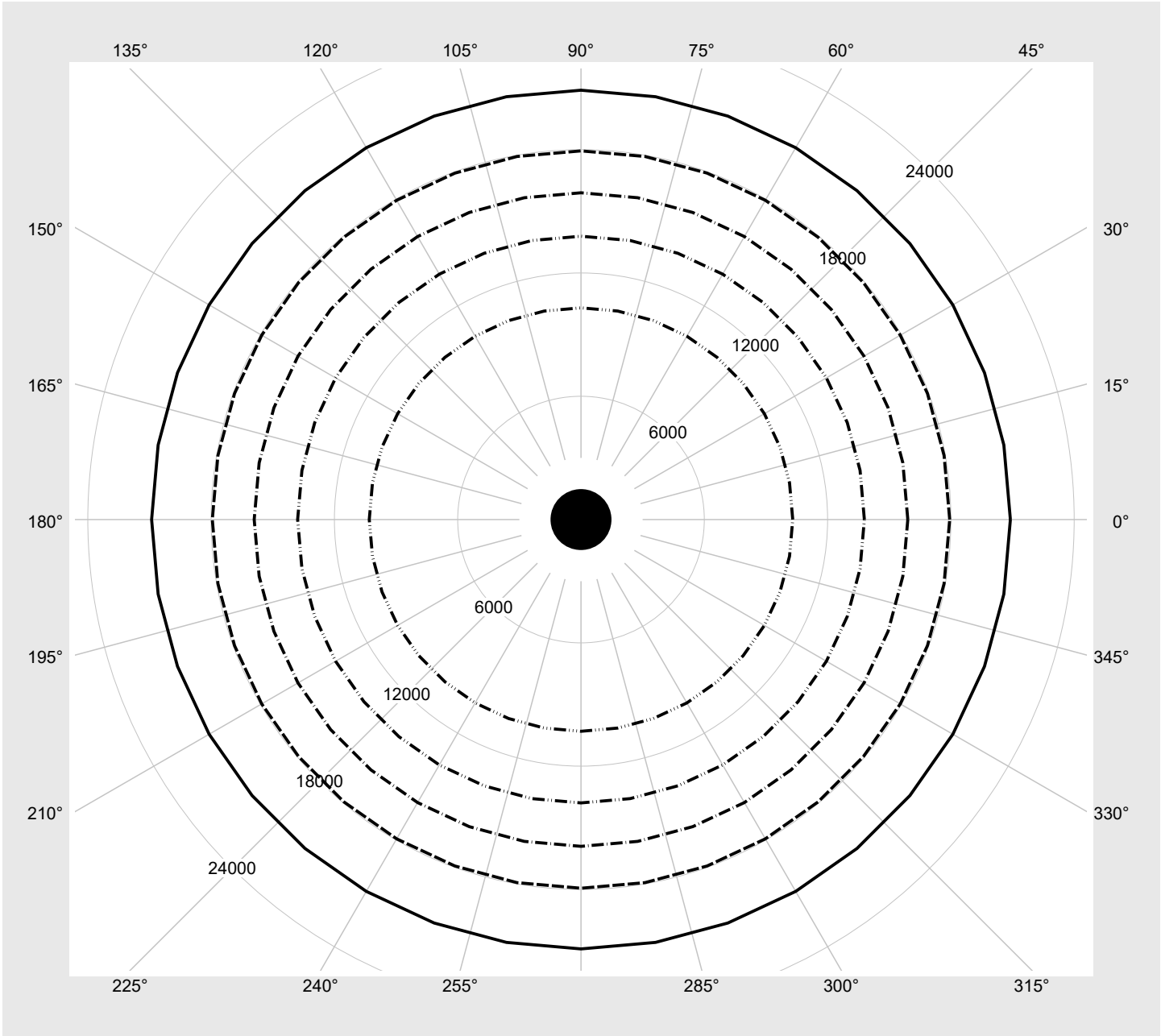
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 62
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C-planes	0°
γ	Luminance in cd/m²
45,0°	41697.8
50,0°	29222.1
55,0°	24788.5
60,0°	22898.9
65,0°	20895.0
70,0°	17941.9
75,0°	15903.3
80,0°	13789.5
85,0°	10303.9

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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	3330	26.5
1	ON	OFF	OFF	3120	24.4
2	OFF	ON	OFF	2910	22.4
3	ON	ON	OFF	2700	20.4
4	OFF	OFF	ON	2480	18.5
5	ON	OFF	ON	2250	16.5
6	OFF	ON	ON	2020	14.8
7	ON	ON	ON	1780	12.8