
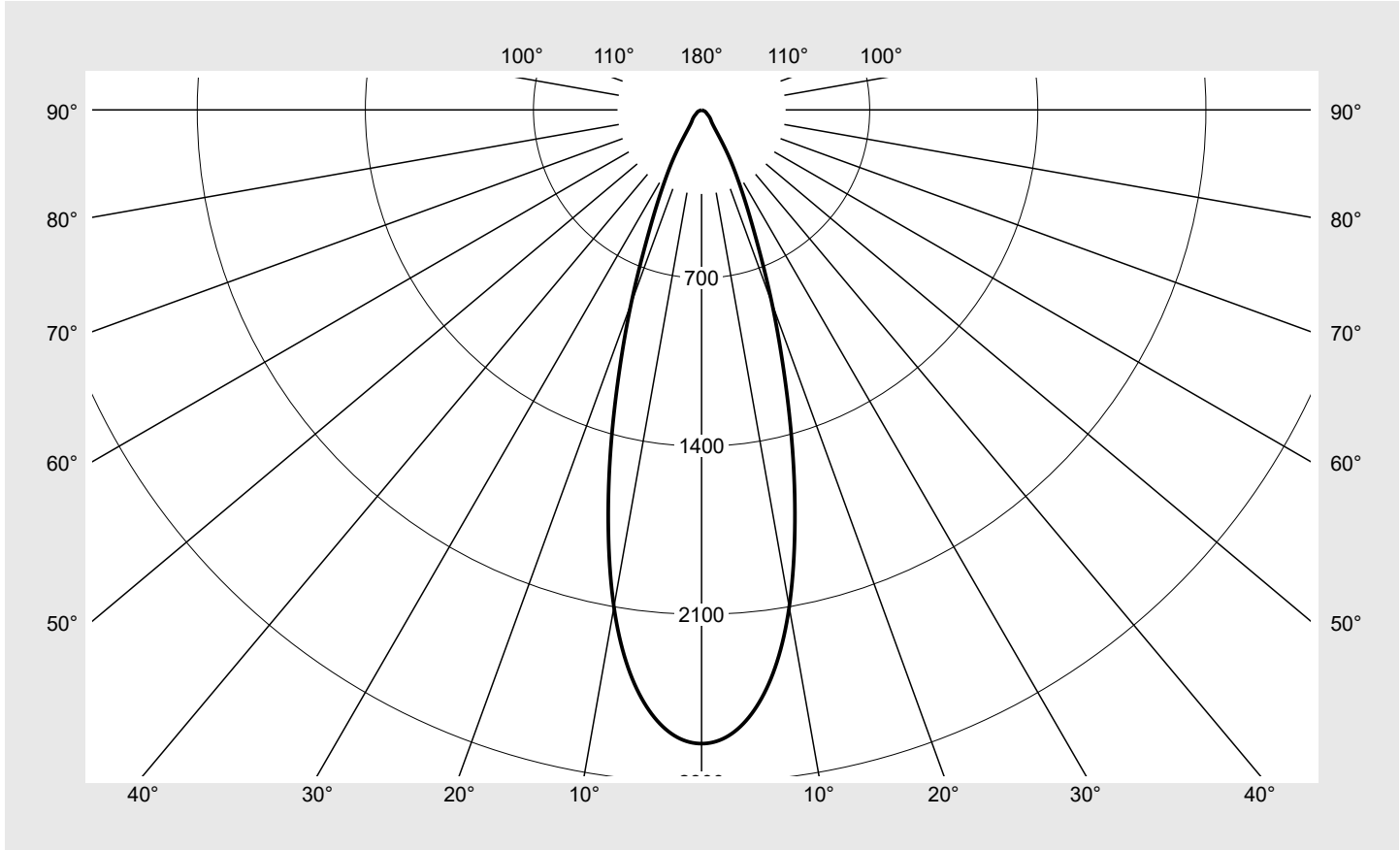


Photometric test report

Family Spot 21 Standard	Order number: 51SE13DA2CC2C EAN: 4069025446947	LP number 59938_15
	Version housing, white, reflector, lens PMMA, wide distribution Lamps LED 3500 K CRI ≥ 90 Controlgear ECG-DALI-Multilumen Setting factory setting: DIP-Step=5 Rated values Net luminous flux = 2280 lm Power consumption = 15.6 W Luminous efficacy = 146.2 lm/W	serial documentation 11.05.2026



Luminous intensity in cd/klm C180-0 **Imax: 2638 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=92 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°	2638.3	3.9	3.9
2,5°	2607.2	31.2	35.1
5,0°	2509.4	60.0	95.1
7,5°	2342.7	83.8	178.9
10,0°	2101.4	100.0	278.9
12,5°	1793.5	106.4	385.4
15,0°	1462.2	103.7	489.1
17,5°	1137.7	93.8	582.9
20,0°	857.0	80.4	663.2
22,5°	616.7	64.7	727.9
25,0°	449.1	52.0	780.0
27,5°	328.3	41.6	821.5
30,0°	236.7	32.4	854.0
32,5°	154.3	22.7	876.7
35,0°	101.7	16.0	892.7
37,5°	76.7	12.8	905.5
40,0°	64.2	11.3	916.8
42,5°	57.3	10.6	927.4
45,0°	51.1	9.9	937.3
47,5°	44.6	9.0	946.3
50,0°	37.9	8.0	954.3
52,5°	31.6	6.9	961.2
55,0°	26.8	6.0	967.2
57,5°	24.1	5.6	972.7
60,0°	21.5	5.1	977.8
62,5°	18.8	4.6	982.4
65,0°	15.7	3.9	986.3
67,5°	12.6	3.2	989.5
70,0°	10.1	2.6	992.1
72,5°	8.3	2.2	994.3
75,0°	6.8	1.8	996.1
77,5°	5.4	1.5	997.5
80,0°	4.1	1.1	998.7
82,5°	2.8	0.8	999.4
85,0°	1.6	0.4	999.9
87,5°	0.5	0.1	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	20.3	21.4	20.6	21.7	22.0	20.3	21.4	20.6	21.7	22.0
	3H	20.9	21.8	21.3	22.2	22.5	20.9	21.8	21.3	22.2	22.5
	4H	21.1	22.0	21.5	22.4	22.7	21.1	22.0	21.5	22.4	22.7
	6H	21.3	22.1	21.8	22.5	22.9	21.3	22.1	21.8	22.5	22.9
	8H	21.5	22.1	21.9	22.5	22.9	21.5	22.1	21.9	22.5	22.9
	12H	21.5	22.1	21.9	22.5	22.9	21.5	22.1	21.9	22.5	22.9
4H	2H	20.6	21.4	21.0	21.8	22.1	20.6	21.4	21.0	21.8	22.1
	3H	21.3	22.0	21.7	22.4	22.8	21.3	22.0	21.7	22.4	22.8
	4H	21.6	22.2	22.1	22.7	23.1	21.6	22.2	22.1	22.7	23.1
	6H	21.9	22.4	22.4	22.8	23.3	21.9	22.4	22.4	22.8	23.3
	8H	22.0	22.4	22.5	22.9	23.4	22.0	22.4	22.5	22.9	23.4
	12H	22.0	22.4	22.5	22.9	23.4	22.0	22.4	22.5	22.9	23.4
8H	4H	21.7	22.2	22.2	22.6	23.1	21.7	22.2	22.2	22.6	23.1
	6H	22.1	22.4	22.6	22.9	23.4	22.1	22.4	22.6	22.9	23.4
	8H	22.2	22.5	22.7	23.0	23.5	22.2	22.5	22.7	23.0	23.5
	12H	22.3	22.5	22.8	23.0	23.6	22.3	22.5	22.8	23.0	23.6
12H	4H	21.7	22.1	22.2	22.5	23.0	21.7	22.1	22.2	22.5	23.0
	6H	22.1	22.4	22.6	22.8	23.4	22.1	22.4	22.6	22.8	23.4
	8H	22.2	22.5	22.7	23.0	23.5	22.2	22.5	22.7	23.0	23.5

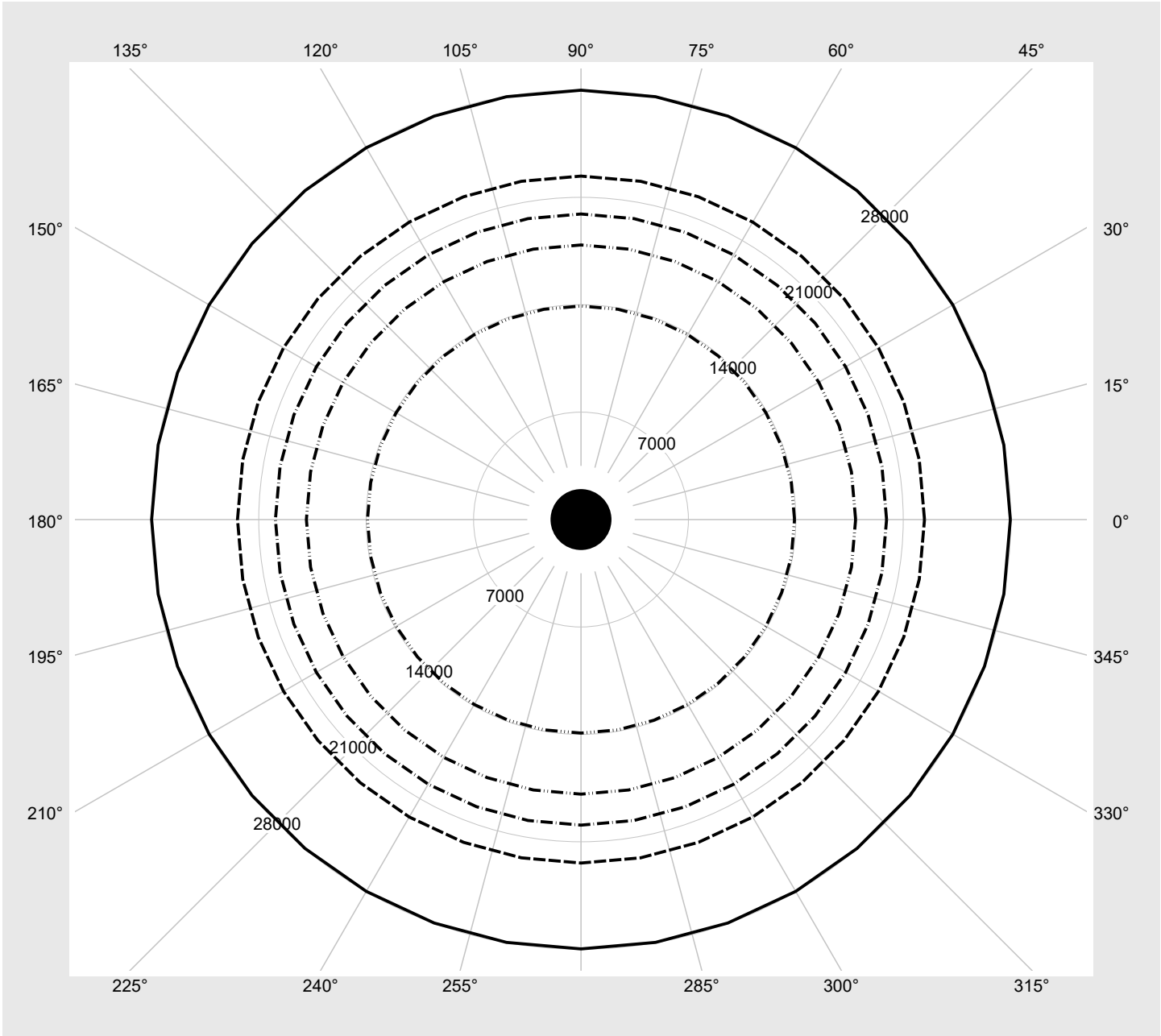
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 62
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C-planes	0°
γ	Luminance in cd/m ²
45,0°	54565.9
50,0°	44576.2
55,0°	35286.2
60,0°	32443.4
65,0°	27981.9
70,0°	22385.3
75,0°	19914.4
80,0°	17896.2
85,0°	13915.9

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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	4		
11	ON	OFF	ON	ON	3770	28.0
10	ON	OFF	ON	OFF	3540	25.9
9	ON	OFF	OFF	ON	3300	23.7
8	ON	OFF	OFF	OFF	3050	21.6
7	OFF	ON	ON	ON	2800	19.8
6	OFF	ON	ON	OFF	2550	17.7
5	OFF	ON	OFF	ON	2280	15.6
4	OFF	ON	OFF	OFF	2020	13.8
3	OFF	OFF	ON	ON	1740	11.7
2	OFF	OFF	ON	OFF	1460	9.9
1	OFF	OFF	OFF	ON	1180	8.1
0	OFF	OFF	OFF	OFF	880	6.2