

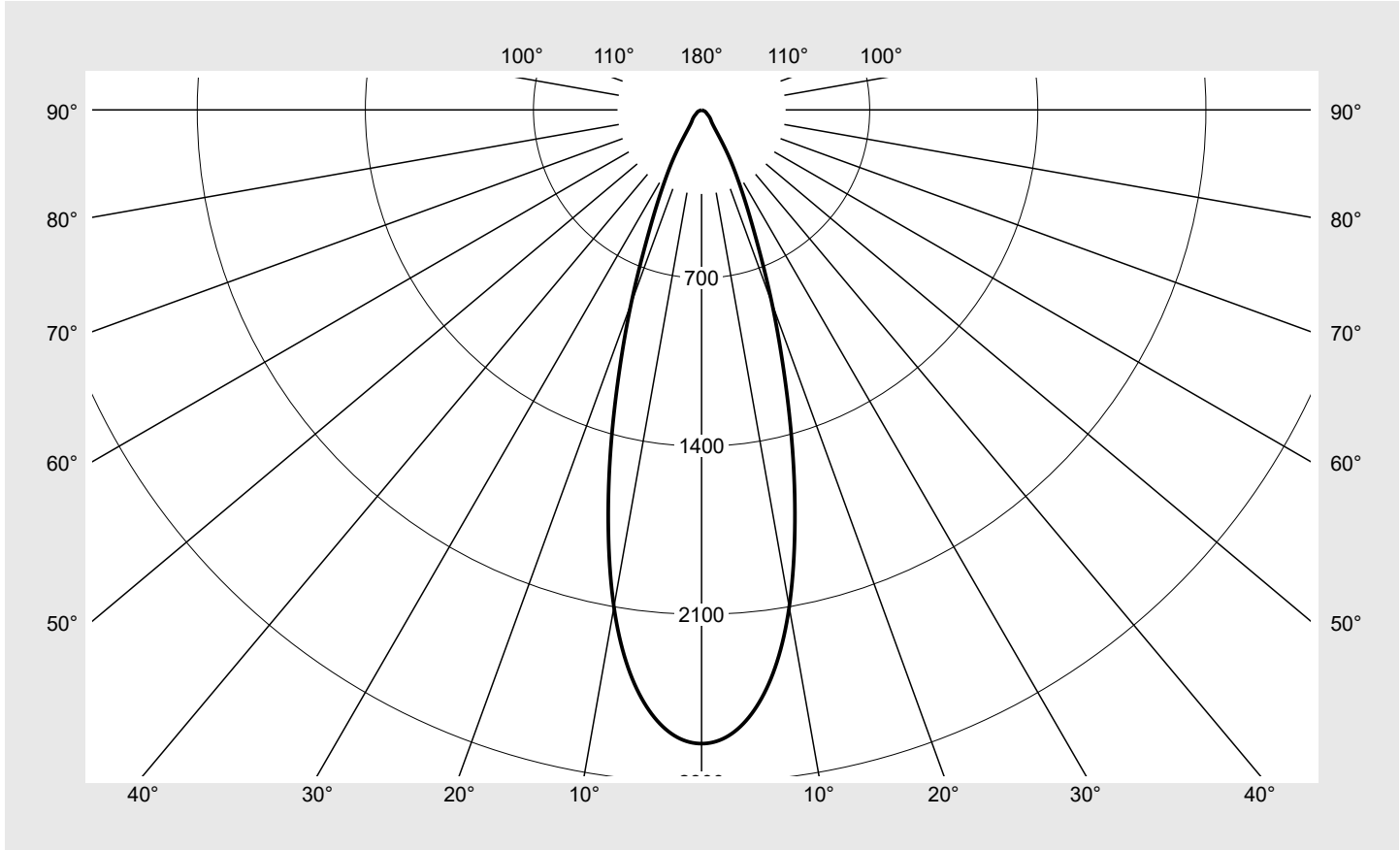


Photometric test report

Family Spot 21 Standard	Order number: 51SE13MA2CA2C EAN: 4069025447005	LP number 59938_9
	Version housing, white, reflector, lens PMMA, wide distribution Lamps LED 2700 K CRI ≥ 90 Controlgear ECG Multilumen Setting factory setting: DIP-Step=6 Rated values Net luminous flux = 2110 lm Power consumption = 14.8 W Luminous efficacy = 142.6 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

Photometric test report

Family Spot 21 Standard	Order number: 51SE13MA2CA2C EAN: 4069025447005	LP number 59938_9
-----------------------------------	---	-----------------------------

sITeco

Table of values for luminous intensities	Maximum luminous intensity
---	-----------------------------------

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

Photometric test report

Family Spot 21 Standard	Order number: 51SE13MA2CA2C EAN: 4069025447005	LP number 59938_9
-----------------------------------	---	-----------------------------

UGR-Table	Standard room	siteco
------------------	----------------------	---------------

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	20.0	21.1	20.4	21.4	21.7	20.0	21.1	20.4	21.4	21.7
	3H	20.6	21.6	21.0	21.9	22.3	20.6	21.6	21.0	21.9	22.3
	4H	20.9	21.7	21.3	22.1	22.5	20.9	21.7	21.3	22.1	22.5
	6H	21.1	21.8	21.5	22.2	22.6	21.1	21.8	21.5	22.2	22.6
	8H	21.2	21.8	21.7	22.2	22.6	21.2	21.8	21.7	22.2	22.6
	12H	21.2	21.8	21.7	22.2	22.6	21.2	21.8	21.7	22.2	22.6
4H	2H	20.3	21.1	20.7	21.5	21.9	20.3	21.1	20.7	21.5	21.9
	3H	21.0	21.7	21.5	22.1	22.6	21.0	21.7	21.5	22.1	22.6
	4H	21.3	22.0	21.8	22.4	22.8	21.3	22.0	21.8	22.4	22.8
	6H	21.6	22.1	22.1	22.6	23.0	21.6	22.1	22.1	22.6	23.0
	8H	21.7	22.2	22.2	22.6	23.1	21.7	22.2	22.2	22.6	23.1
	12H	21.8	22.1	22.3	22.6	23.1	21.8	22.1	22.3	22.6	23.1
8H	4H	21.4	21.9	21.9	22.3	22.8	21.4	21.9	21.9	22.3	22.8
	6H	21.8	22.1	22.3	22.6	23.1	21.8	22.1	22.3	22.6	23.1
	8H	21.9	22.2	22.4	22.7	23.2	21.9	22.2	22.4	22.7	23.2
	12H	22.0	22.2	22.5	22.7	23.3	22.0	22.2	22.5	22.7	23.3
12H	4H	21.4	21.8	21.9	22.3	22.8	21.4	21.8	21.9	22.3	22.8
	6H	21.8	22.1	22.3	22.6	23.1	21.8	22.1	22.3	22.6	23.1
	8H	21.9	22.2	22.5	22.7	23.2	21.9	22.2	22.5	22.7	23.2

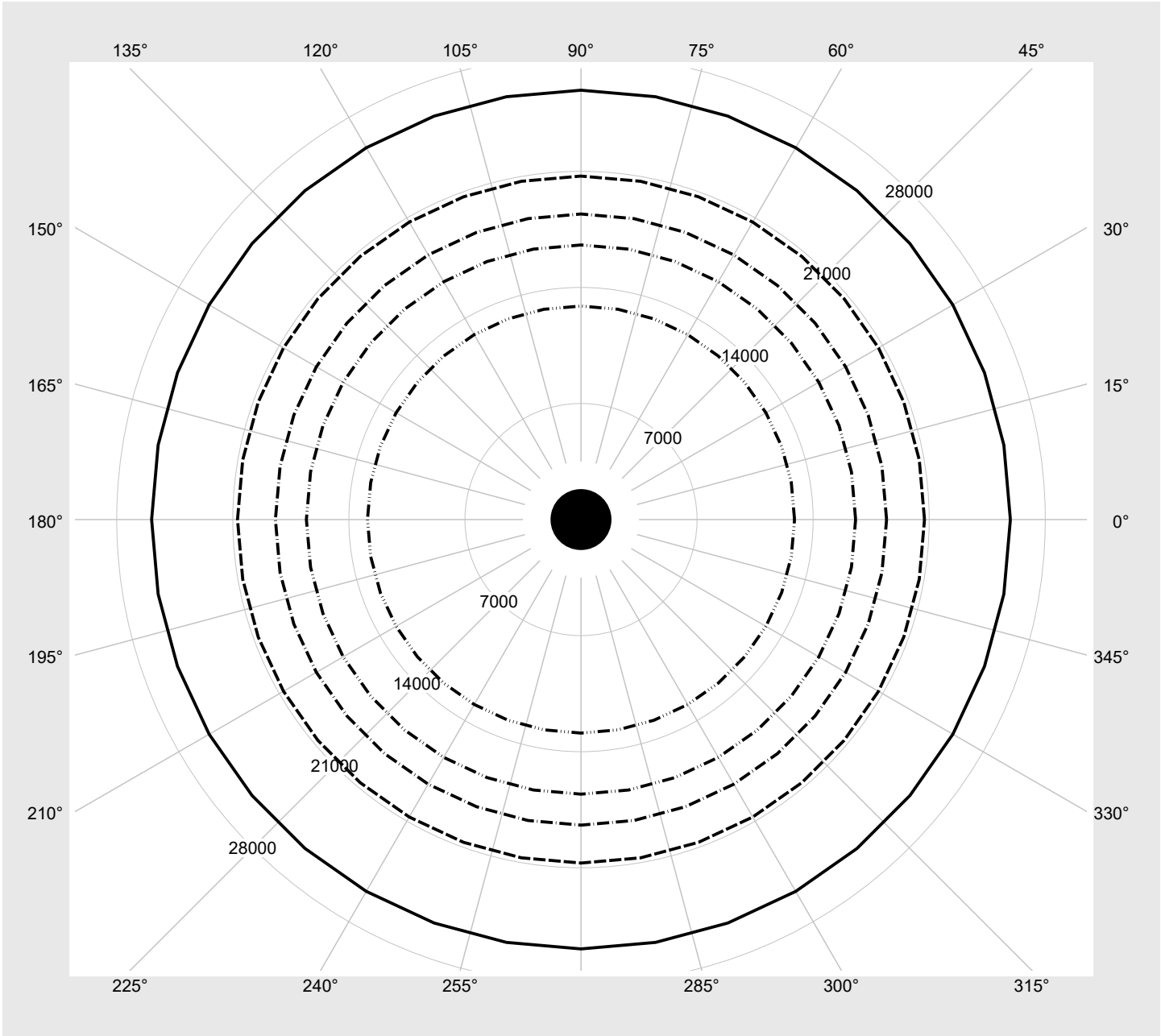
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 62
------------------------	---	---

C-planes	0°
γ	Luminance in cd/m²
45,0°	50497.4
50,0°	41252.5
55,0°	32655.2
60,0°	30024.3
65,0°	25895.5
70,0°	20716.2
75,0°	18429.6
80,0°	16561.8
85,0°	12878.3

Photometric test report

Family Spot 21 Standard	Order number: 51SE13MA2CA2C EAN: 4069025447005	LP number 59938_9
-----------------------------------	---	-----------------------------

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



Photometric test report

Family Spot 21 Standard	Order number: 51SE13MA2CA2C EAN: 4069025447005	LP number 59938_9
-----------------------------------	---	-----------------------------

Multilumen Table	environmental temperature: 25°C	sITeco
-------------------------	---------------------------------	---------------

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
0	OFF	OFF	OFF	3480	26.5
1	ON	OFF	OFF	3260	24.4
2	OFF	ON	OFF	3040	22.4
3	ON	ON	OFF	2820	20.4
4	OFF	OFF	ON	2590	18.5
5	ON	OFF	ON	2350	16.5
6	OFF	ON	ON	2110	14.8
7	ON	ON	ON	1860	12.8