
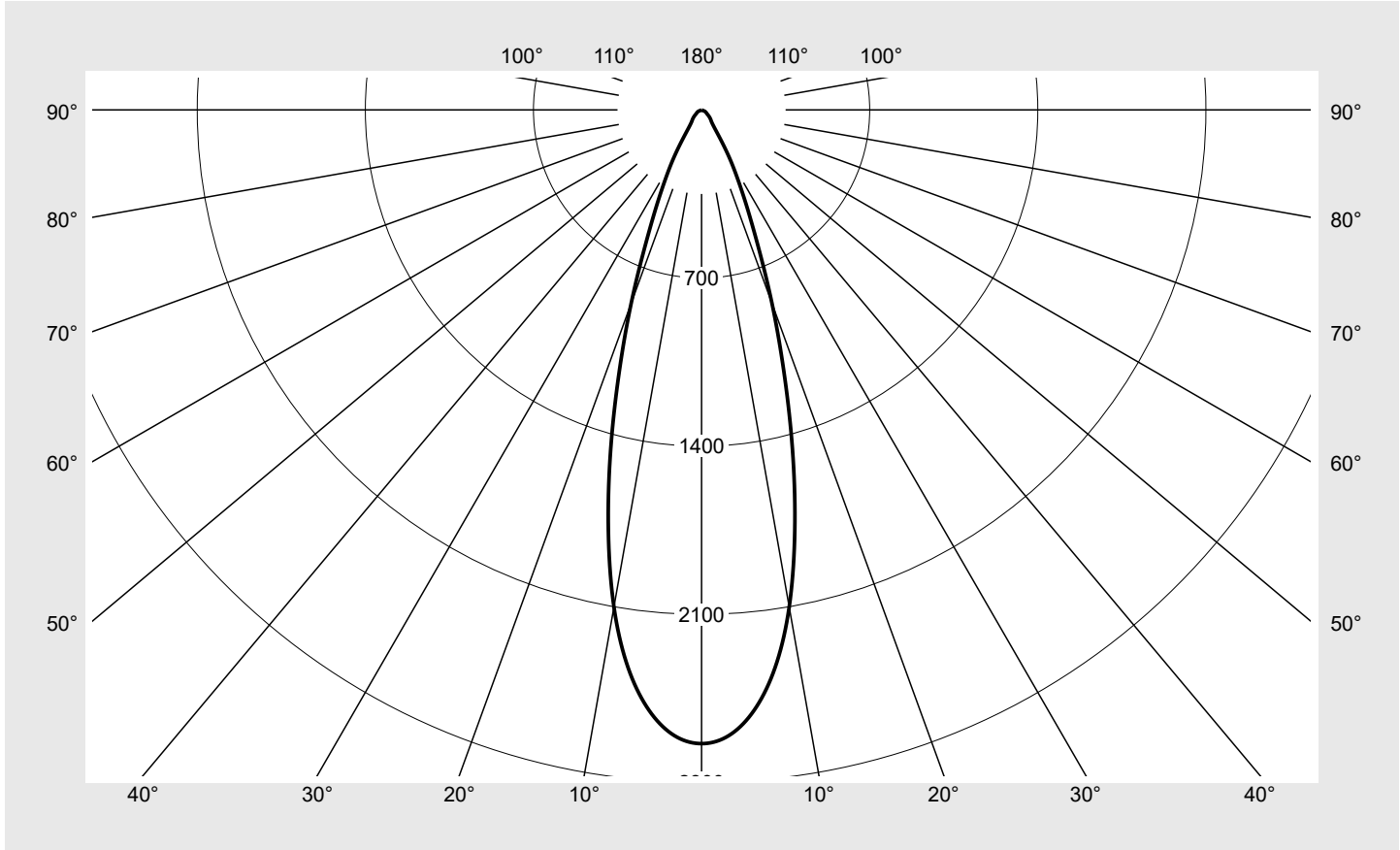


Photometric test report

Family Spot 21 Standard	Order number: 51SE33MA2DA2C EAN: 4069025447494	LP number 59940_9
	Version housing, black, reflector, lens PMMA, wide distribution	serial documentation 11.05.2026
	Lamps LED 2700 K CRI ≥ 90	
Controlgear ECG Multilumen		
Setting factory setting: DIP-Step=5		
Rated values	Net luminous flux = 2210 lm Power consumption = 16.5 W Luminous efficacy = 133.9 lm/W	



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: 51SE33MA2DA2C EAN: 4069025447494	LP number 59940_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: 51SE33MA2DA2C EAN: 4069025447494	LP number 59940_9
----------------------------	---	----------------------

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	20.2	21.2	20.5	21.6	21.9	20.2	21.2	20.5	21.6	21.9
	3H	20.8	21.7	21.2	22.1	22.4	20.8	21.7	21.2	22.1	22.4
	4H	21.0	21.9	21.4	22.2	22.6	21.0	21.9	21.4	22.2	22.6
	6H	21.2	22.0	21.7	22.4	22.8	21.2	22.0	21.7	22.4	22.8
	8H	21.4	22.0	21.8	22.4	22.8	21.4	22.0	21.8	22.4	22.8
	12H	21.4	22.0	21.8	22.3	22.8	21.4	22.0	21.8	22.3	22.8
4H	2H	20.4	21.3	20.8	21.7	22.0	20.4	21.3	20.8	21.7	22.0
	3H	21.2	21.9	21.6	22.3	22.7	21.2	21.9	21.6	22.3	22.7
	4H	21.5	22.1	21.9	22.5	23.0	21.5	22.1	21.9	22.5	23.0
	6H	21.8	22.3	22.2	22.7	23.2	21.8	22.3	22.2	22.7	23.2
	8H	21.9	22.3	22.4	22.8	23.3	21.9	22.3	22.4	22.8	23.3
	12H	21.9	22.3	22.4	22.8	23.3	21.9	22.3	22.4	22.8	23.3
8H	4H	21.6	22.1	22.1	22.5	23.0	21.6	22.1	22.1	22.5	23.0
	6H	21.9	22.3	22.4	22.8	23.3	21.9	22.3	22.4	22.8	23.3
	8H	22.1	22.4	22.6	22.9	23.4	22.1	22.4	22.6	22.9	23.4
	12H	22.1	22.4	22.7	22.9	23.5	22.1	22.4	22.7	22.9	23.5
12H	4H	21.6	22.0	22.1	22.4	22.9	21.6	22.0	22.1	22.4	22.9
	6H	22.0	22.2	22.5	22.7	23.3	22.0	22.2	22.5	22.7	23.3
	8H	22.1	22.3	22.6	22.9	23.4	22.1	22.3	22.6	22.9	23.4

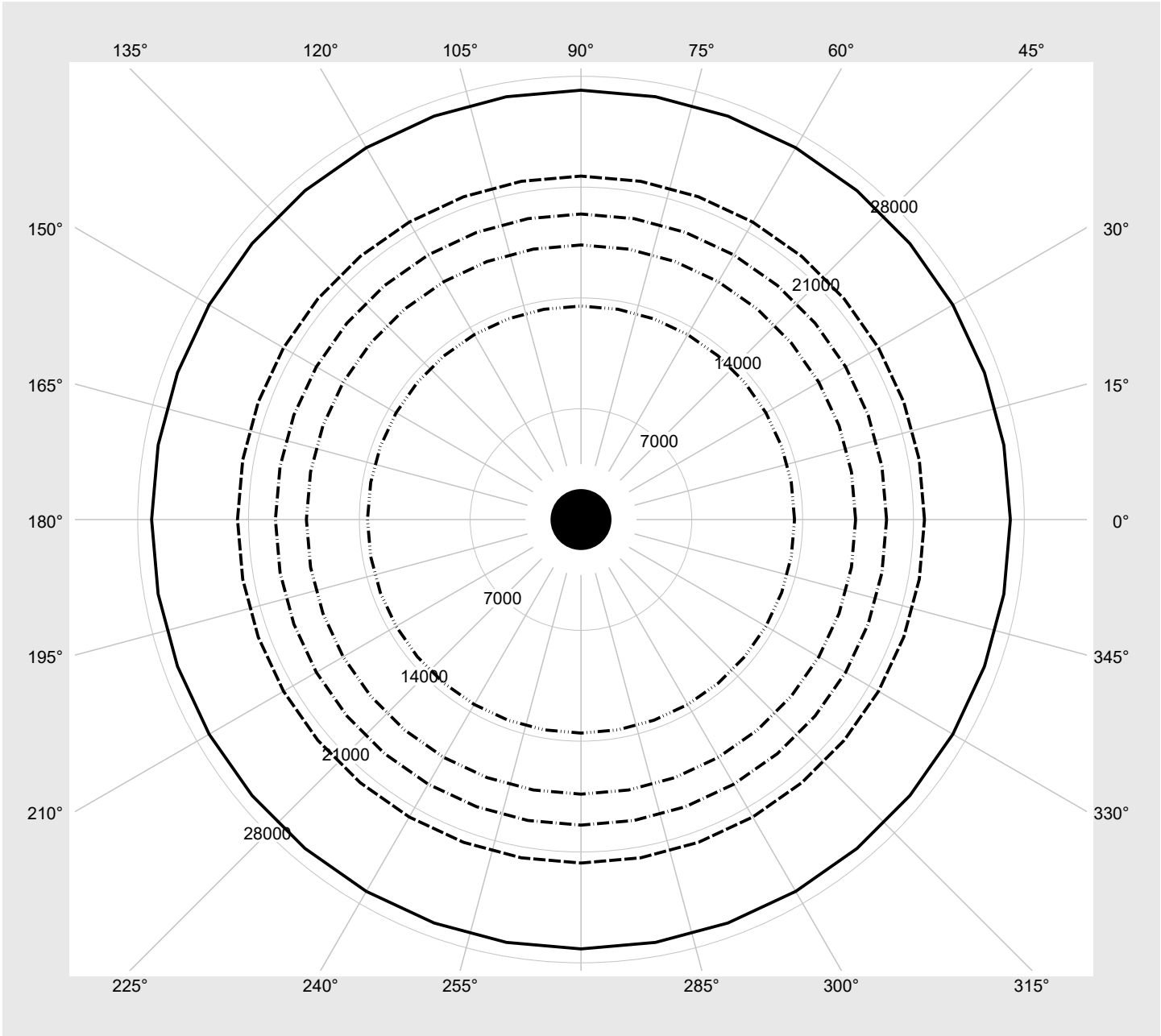
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 62
------------------------	---------------------------------	--------------------------------------

C-planes	0°
γ	Luminance in cd/m ²
45,0°	52890.6
50,0°	43207.6
55,0°	34202.9
60,0°	31447.3
65,0°	27122.8
70,0°	21698.0
75,0°	19303.0
80,0°	17346.8
85,0°	13488.7

Photometric test report

Family Spot 21 Standard	Order number: 51SE33MA2DA2C EAN: 4069025447494	LP number 59940_9
-----------------------------------	---	-----------------------------

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



Photometric test report

Family Spot 21 Standard	Order number: 51SE33MA2DA2C EAN: 4069025447494	LP number 59940_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	3270	26.5
1	ON	OFF	OFF	3070	24.4
2	OFF	ON	OFF	2860	22.4
3	ON	ON	OFF	2650	20.4
4	OFF	OFF	ON	2430	18.5
5	ON	OFF	ON	2210	16.5
6	OFF	ON	ON	1980	14.8
7	ON	ON	ON	1750	12.8