

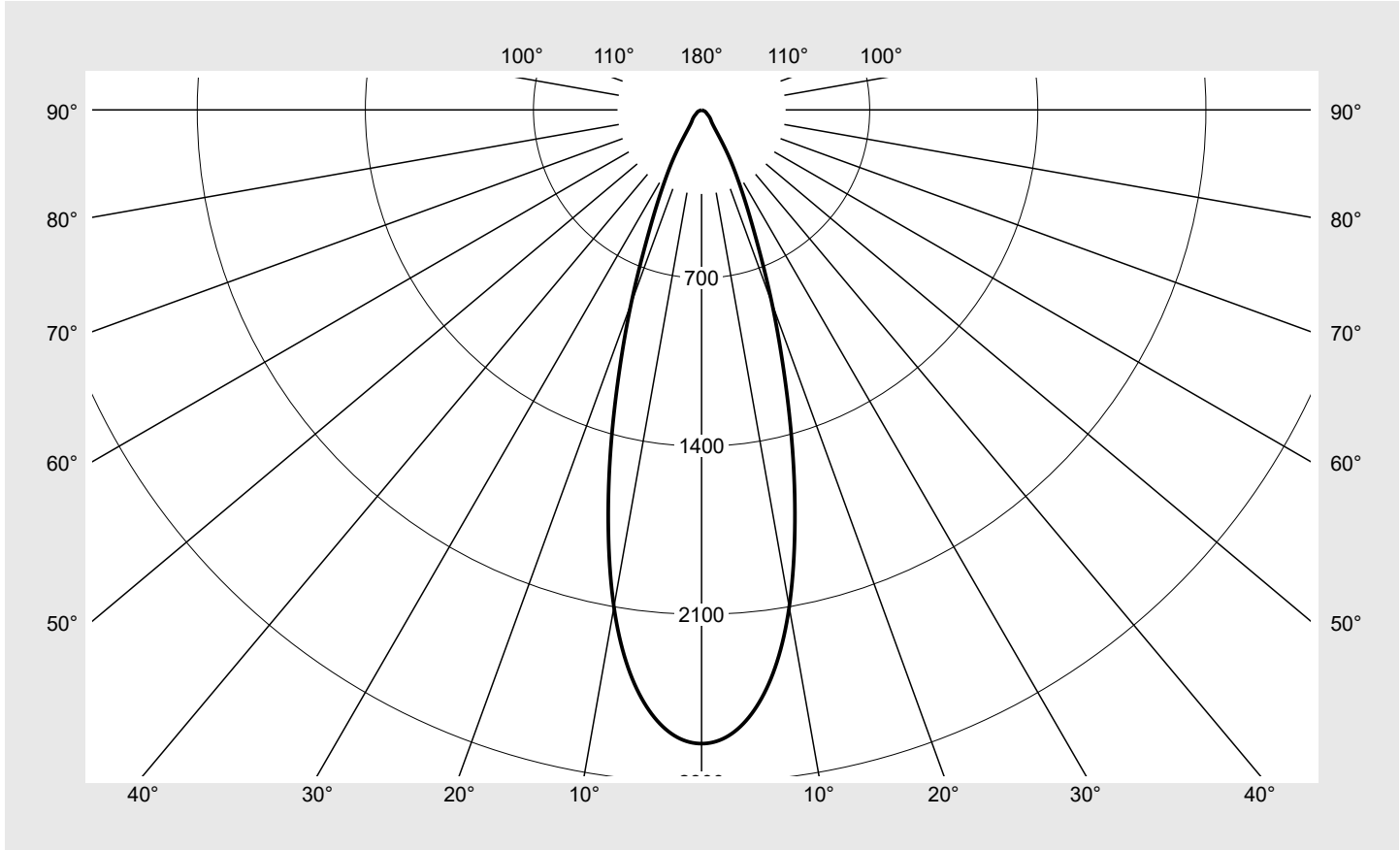


Photometric test report

Family Spot 21 Standard	Order number: 51SE63MA2EB2C EAN: 4069025447999	LP number 59942_10
	Version housing, white aluminium, reflector, lens PMMA, wide distribution	serial documentation 11.05.2026
	Lamps LED 3000 K CRI ≥ 90	
Controlgear ECG Multilumen		
Setting factory setting: DIP-Step=6		
Rated values Net luminous flux = 2220 lm Power consumption = 14.8 W Luminous efficacy = 150 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: 51SE63MA2EB2C EAN: 4069025447999	LP number 59942_10
-----------------------------------	---	------------------------------

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: 51SE63MA2EB2C EAN: 4069025447999	LP number 59942_10
-----------------------------------	---	------------------------------

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	20.2	21.3	20.5	21.6	21.9	20.2	21.3	20.5	21.6	21.9
	3H	20.8	21.8	21.2	22.1	22.4	20.8	21.8	21.2	22.1	22.4
	4H	21.0	21.9	21.4	22.3	22.6	21.0	21.9	21.4	22.3	22.6
	6H	21.3	22.0	21.7	22.4	22.8	21.3	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	21.9	22.4	22.8	21.4	22.0	21.9	22.4	22.8
4H	2H	20.5	21.3	20.9	21.7	22.0	20.5	21.3	20.9	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	22.0	22.6	23.0	21.5	22.1	22.0	22.6	23.0
	6H	21.8	22.3	22.3	22.7	23.2	21.8	22.3	22.3	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	22.0	22.3	22.5	22.8	23.3	22.0	22.3	22.5	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	22.0	22.3	22.5	22.8	23.3	22.0	22.3	22.5	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	22.2	22.4	22.7	22.9	23.5	22.2	22.4	22.7	22.9	23.5
12H	4H	21.6	22.0	22.1	22.5	23.0	21.6	22.0	22.1	22.5	23.0
	6H	22.0	22.3	22.5	22.8	23.3	22.0	22.3	22.5	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

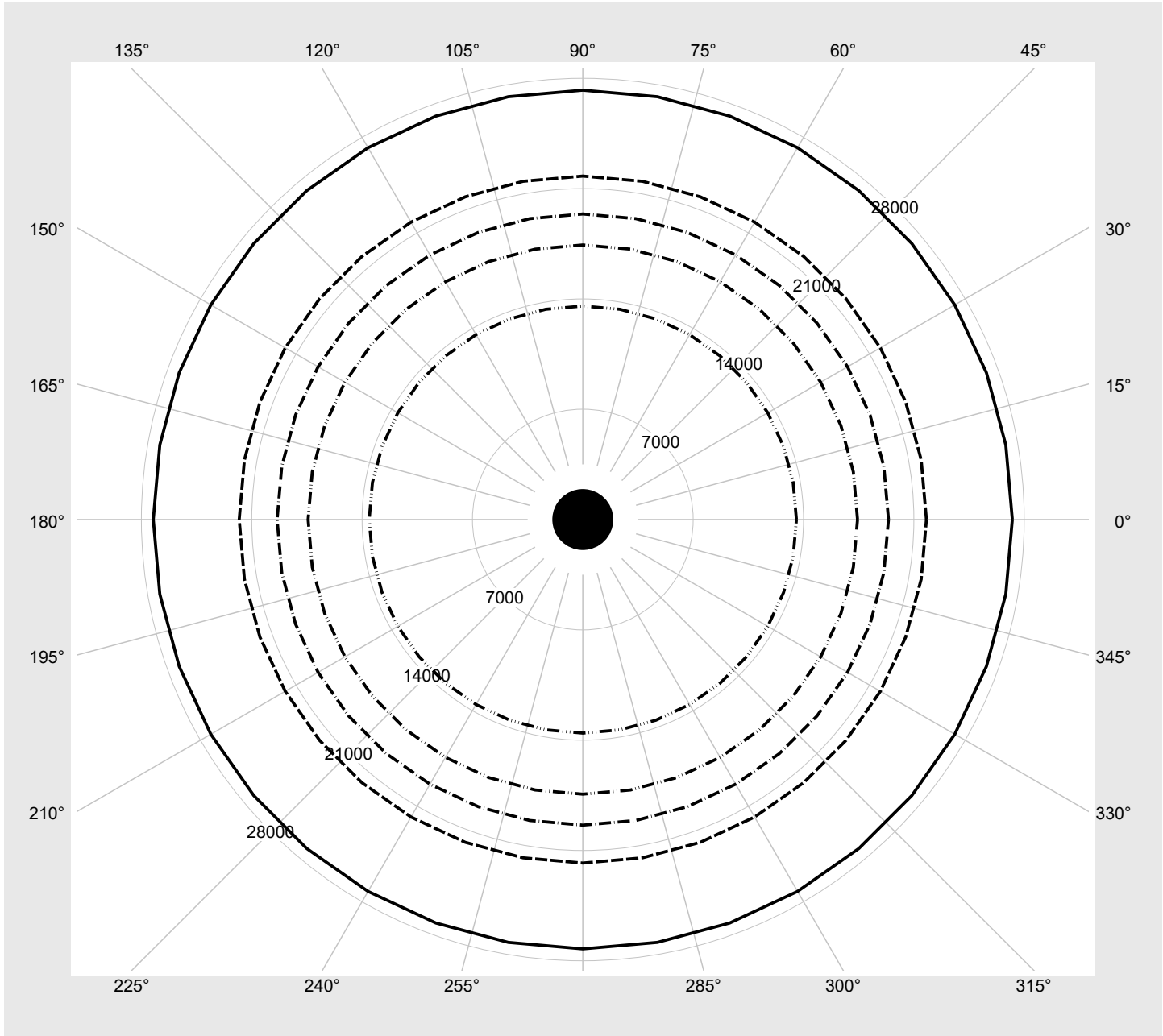
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 62
------------------------	---	---

C-planes	0°
γ	Luminance in cd/m²
45,0°	53129.9
50,0°	43403.1
55,0°	34357.6
60,0°	31589.6
65,0°	27245.5
70,0°	21796.2
75,0°	19390.4
80,0°	17425.3
85,0°	13549.7

Photometric test report

Family Spot 21 Standard	Order number: 51SE63MA2EB2C EAN: 4069025447999	LP number 59942_10
-----------------------------------	---	------------------------------

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



Photometric test report

Family Spot 21 Standard	Order number: 51SE63MA2EB2C EAN: 4069025447999	LP number 59942_10
-----------------------------------	---	------------------------------

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

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
0	OFF	OFF	OFF	3660	26.5
1	ON	OFF	OFF	3430	24.4
2	OFF	ON	OFF	3200	22.4
3	ON	ON	OFF	2960	20.4
4	OFF	OFF	ON	2720	18.5
5	ON	OFF	ON	2470	16.5
6	OFF	ON	ON	2220	14.8
7	ON	ON	ON	1960	12.8