
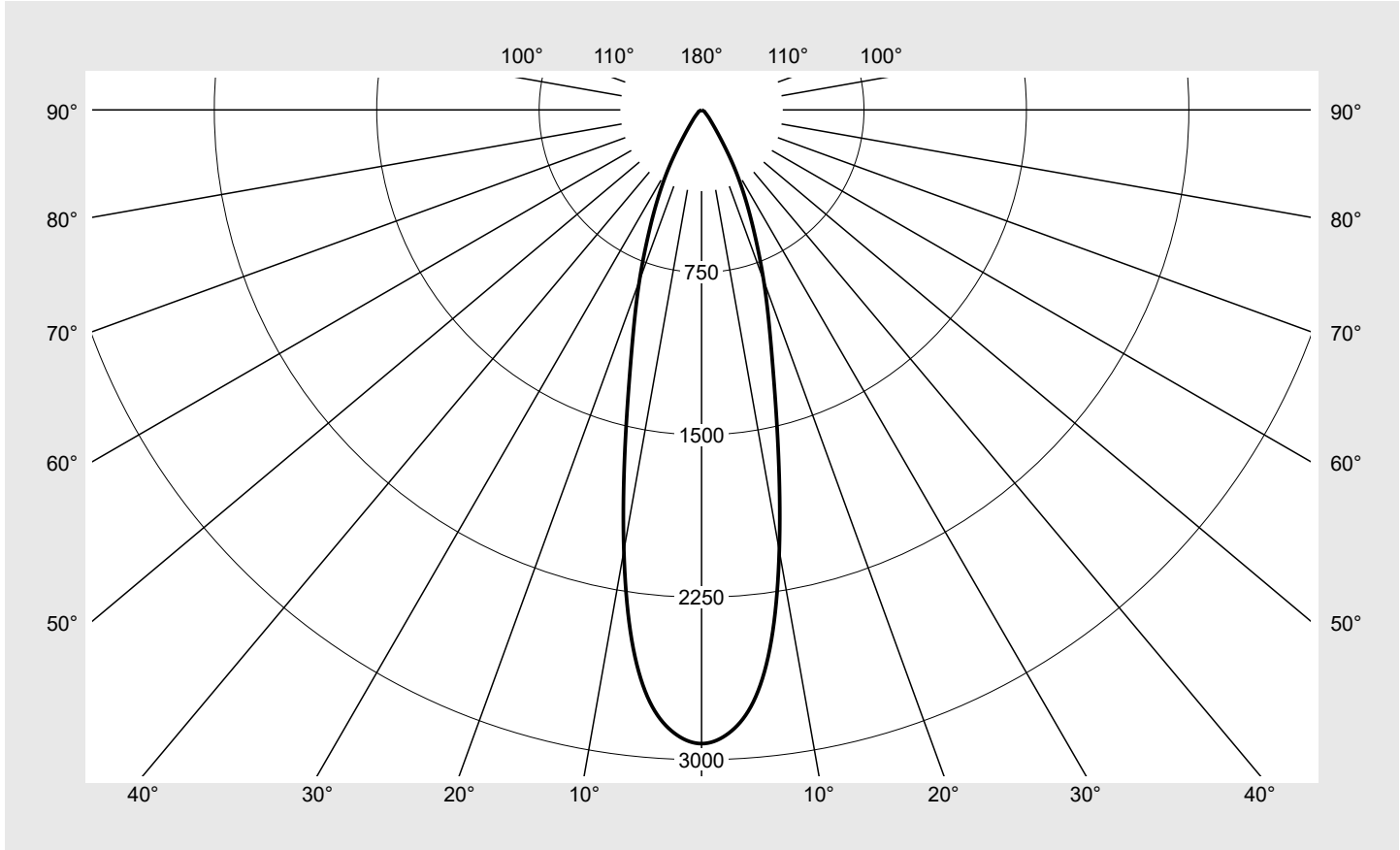


Photometric test report

Family Spot 21 Standard	Order number: 51SE12DA2CB2C EAN: 4069025446770	LP number 59930_14
	Version housing, white, reflector, lens PMMA, medium distribution Lamps LED 3000 K CRI ≥ 90 Controlgear ECG-DALI-Multilumen Setting factory setting: DIP-Step=5 Rated values Net luminous flux = 2120 lm Power consumption = 15.6 W Luminous efficacy = 135.9 lm/W	serial documentation 11.05.2026



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

Photometric test report

Family Spot 21 Standard	Order number: 51SE12DA2CB2C EAN: 4069025446770	LP number 59930_14
-----------------------------------	---	------------------------------



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°	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

Photometric test report

Family Spot 21 Standard	Order number: 51SE12DA2CB2C EAN: 4069025446770	LP number 59930_14
----------------------------	---	-----------------------

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	19.2	20.2	19.5	20.5	20.9	19.2	20.2	19.5	20.5	20.9
	3H	19.6	20.6	20.0	20.9	21.3	19.6	20.6	20.0	20.9	21.3
	4H	19.8	20.7	20.2	21.0	21.4	19.8	20.7	20.2	21.0	21.4
	6H	20.0	20.7	20.4	21.1	21.5	20.0	20.7	20.4	21.1	21.5
	8H	20.2	20.7	20.6	21.1	21.5	20.2	20.7	20.6	21.1	21.5
	12H	20.2	20.7	20.6	21.1	21.5	20.2	20.7	20.6	21.1	21.5
4H	2H	19.3	20.1	19.7	20.5	20.9	19.3	20.1	19.7	20.5	20.9
	3H	19.9	20.6	20.3	21.0	21.4	19.9	20.6	20.3	21.0	21.4
	4H	20.2	20.8	20.6	21.2	21.7	20.2	20.8	20.6	21.2	21.7
	6H	20.4	20.9	20.9	21.4	21.8	20.4	20.9	20.9	21.4	21.8
	8H	20.5	20.9	21.0	21.4	21.9	20.5	20.9	21.0	21.4	21.9
	12H	20.6	20.9	21.1	21.4	21.9	20.6	20.9	21.1	21.4	21.9
8H	4H	20.3	20.7	20.7	21.2	21.6	20.3	20.7	20.7	21.2	21.6
	6H	20.5	20.9	21.0	21.4	21.9	20.5	20.9	21.0	21.4	21.9
	8H	20.6	20.9	21.1	21.4	22.0	20.6	20.9	21.1	21.4	22.0
	12H	20.7	20.9	21.2	21.5	22.0	20.7	20.9	21.2	21.5	22.0
12H	4H	20.3	20.6	20.8	21.1	21.6	20.3	20.6	20.8	21.1	21.6
	6H	20.6	20.8	21.1	21.3	21.9	20.6	20.8	21.1	21.3	21.9
	8H	20.7	20.9	21.2	21.4	22.0	20.7	20.9	21.2	21.4	22.0

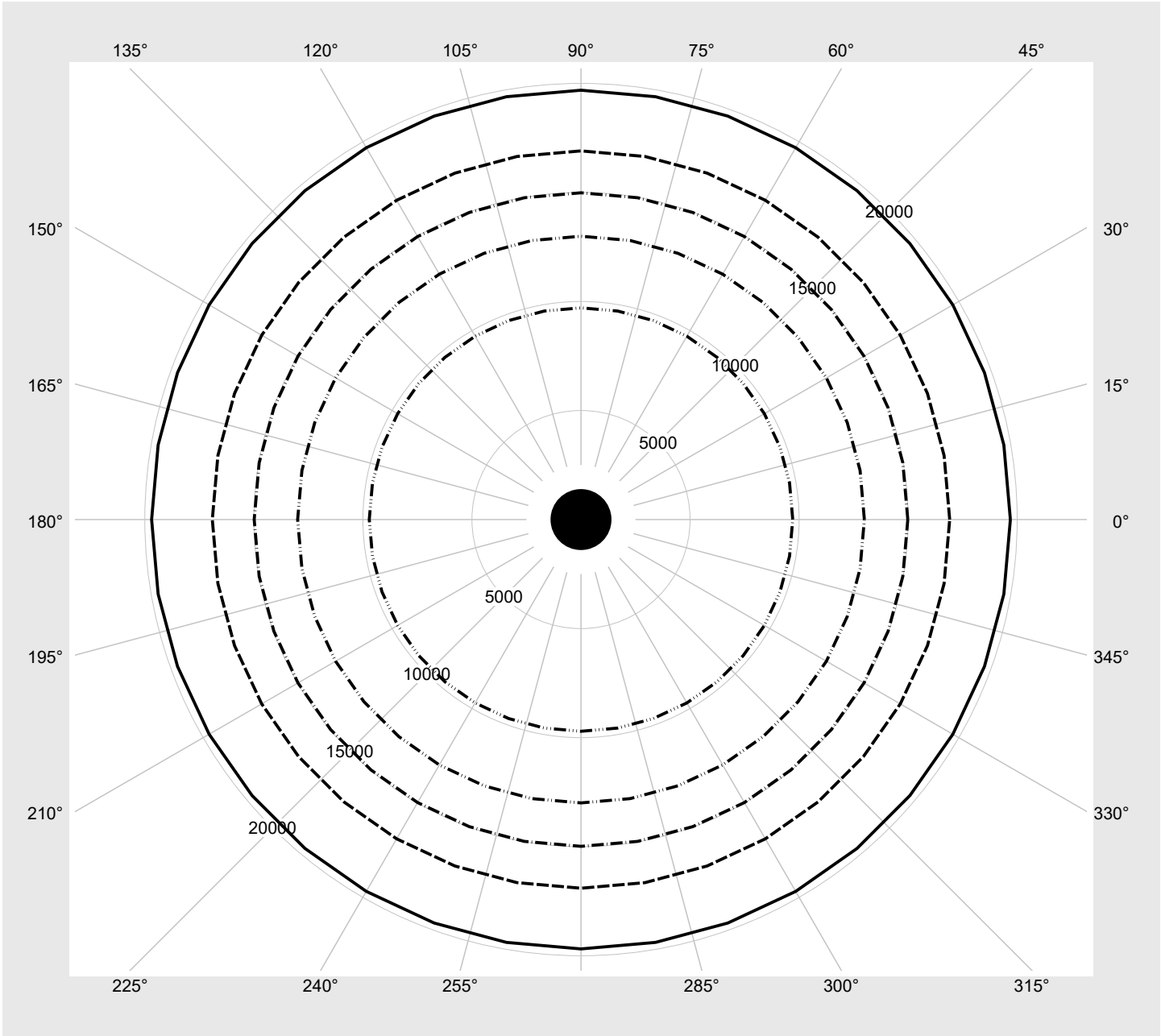
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 62
------------------------	---------------------------------	--------------------------------------

C-planes	0°
γ	Luminance in cd/m ²
45,0°	39288.6
50,0°	27533.7
55,0°	23356.3
60,0°	21575.9
65,0°	19687.7
70,0°	16905.3
75,0°	14984.5
80,0°	12992.8
85,0°	9708.5

Photometric test report

Family Spot 21 Standard	Order number: 51SE12DA2CB2C EAN: 4069025446770	LP number 59930_14
-----------------------------------	---	------------------------------

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



Photometric test report

Family Spot 21 Standard	Order number: 51SE12DA2CB2C EAN: 4069025446770	LP number 59930_14
--	---	-------------------------------------

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

DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
11	ON	OFF	ON	ON	3500	28.0
10	ON	OFF	ON	OFF	3280	25.9
9	ON	OFF	OFF	ON	3060	23.7
8	ON	OFF	OFF	OFF	2830	21.6
7	OFF	ON	ON	ON	2600	19.8
6	OFF	ON	ON	OFF	2360	17.7
5	OFF	ON	OFF	ON	2120	15.6
4	OFF	ON	OFF	OFF	1870	13.8
3	OFF	OFF	ON	ON	1620	11.7
2	OFF	OFF	ON	OFF	1360	9.9
1	OFF	OFF	OFF	ON	1090	8.1
0	OFF	OFF	OFF	OFF	820	6.2