

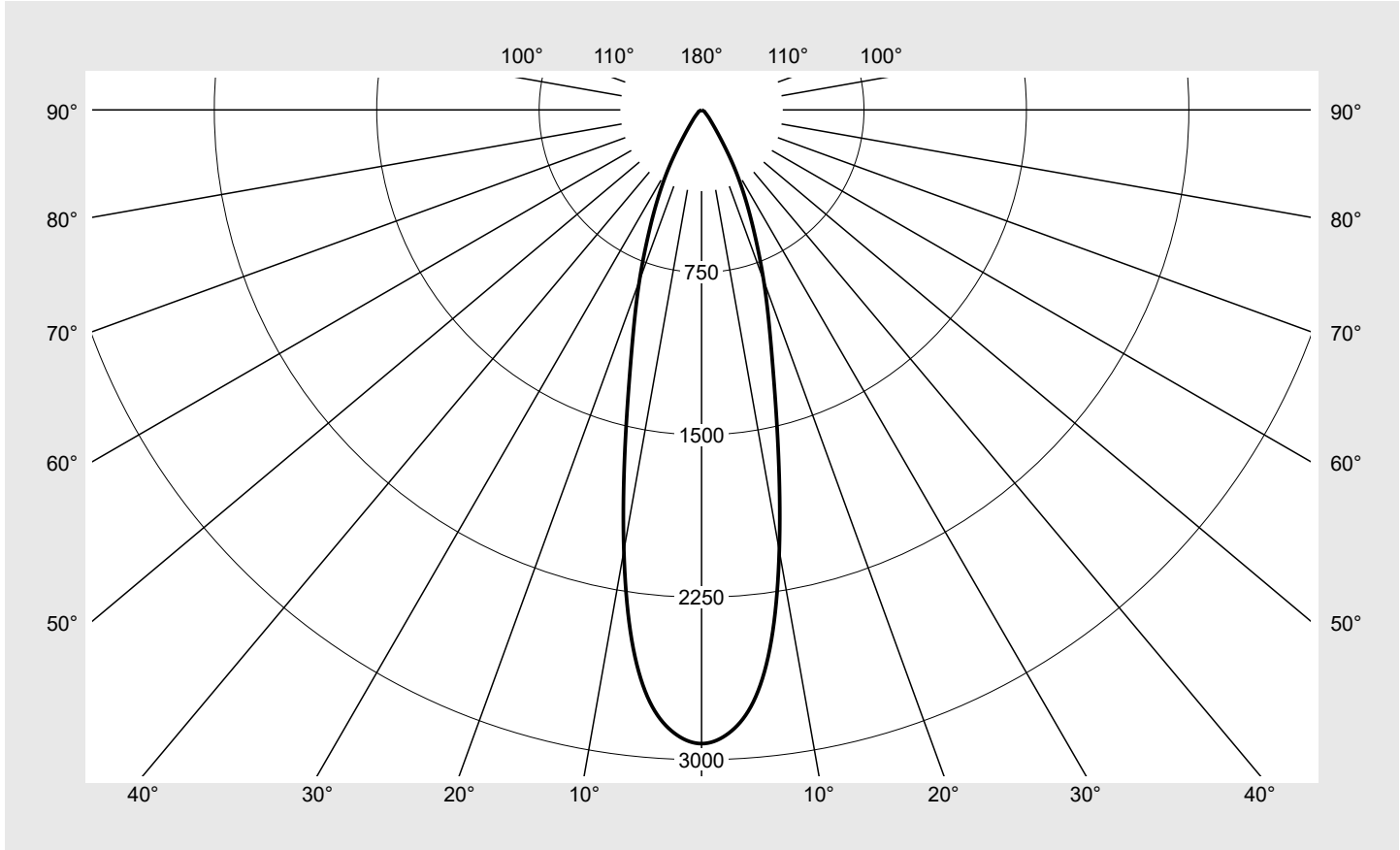


Photometric test report

Family Spot 21 Standard	Order number: 51SE12MA2CD2C EAN: 4069025446879	LP number 59930_12
	Version housing, white, reflector, lens PMMA, medium distribution Lamps LED 4000 K CRI ≥ 90 Controlgear ECG Multilumen Setting factory setting: DIP-Step=6	serial documentation 11.05.2026
	Rated values Net luminous flux = 2190 lm Power consumption = 14.8 W Luminous efficacy = 148 lm/W	

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: 51SE12MA2CD2C EAN: 4069025446879	LP number 59930_12
-----------------------------------	---	------------------------------



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: 51SE12MA2CD2C EAN: 4069025446879	LP number 59930_12
----------------------------	---	-----------------------

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	19.3	20.3	19.6	20.6	21.0	19.3	20.3	19.6	20.6	21.0
	3H	19.7	20.7	20.1	21.0	21.4	19.7	20.7	20.1	21.0	21.4
	4H	20.0	20.8	20.4	21.2	21.5	20.0	20.8	20.4	21.2	21.5
	6H	20.1	20.9	20.6	21.2	21.6	20.1	20.9	20.6	21.2	21.6
	8H	20.3	20.8	20.7	21.2	21.6	20.3	20.8	20.7	21.2	21.6
	12H	20.3	20.8	20.7	21.2	21.6	20.3	20.8	20.7	21.2	21.6
4H	2H	19.4	20.2	19.8	20.6	21.0	19.4	20.2	19.8	20.6	21.0
	3H	20.0	20.7	20.5	21.1	21.5	20.0	20.7	20.5	21.1	21.5
	4H	20.3	20.9	20.7	21.3	21.8	20.3	20.9	20.7	21.3	21.8
	6H	20.5	21.0	21.0	21.5	21.9	20.5	21.0	21.0	21.5	21.9
	8H	20.6	21.0	21.1	21.5	22.0	20.6	21.0	21.1	21.5	22.0
	12H	20.7	21.0	21.2	21.5	22.0	20.7	21.0	21.2	21.5	22.0
8H	4H	20.4	20.8	20.9	21.3	21.8	20.4	20.8	20.9	21.3	21.8
	6H	20.6	21.0	21.1	21.5	22.0	20.6	21.0	21.1	21.5	22.0
	8H	20.7	21.1	21.2	21.5	22.1	20.7	21.1	21.2	21.5	22.1
	12H	20.8	21.1	21.4	21.6	22.1	20.8	21.1	21.4	21.6	22.1
12H	4H	20.4	20.7	20.9	21.2	21.7	20.4	20.7	20.9	21.2	21.7
	6H	20.7	20.9	21.2	21.4	22.0	20.7	20.9	21.2	21.4	22.0
	8H	20.8	21.0	21.3	21.5	22.1	20.8	21.0	21.3	21.5	22.1

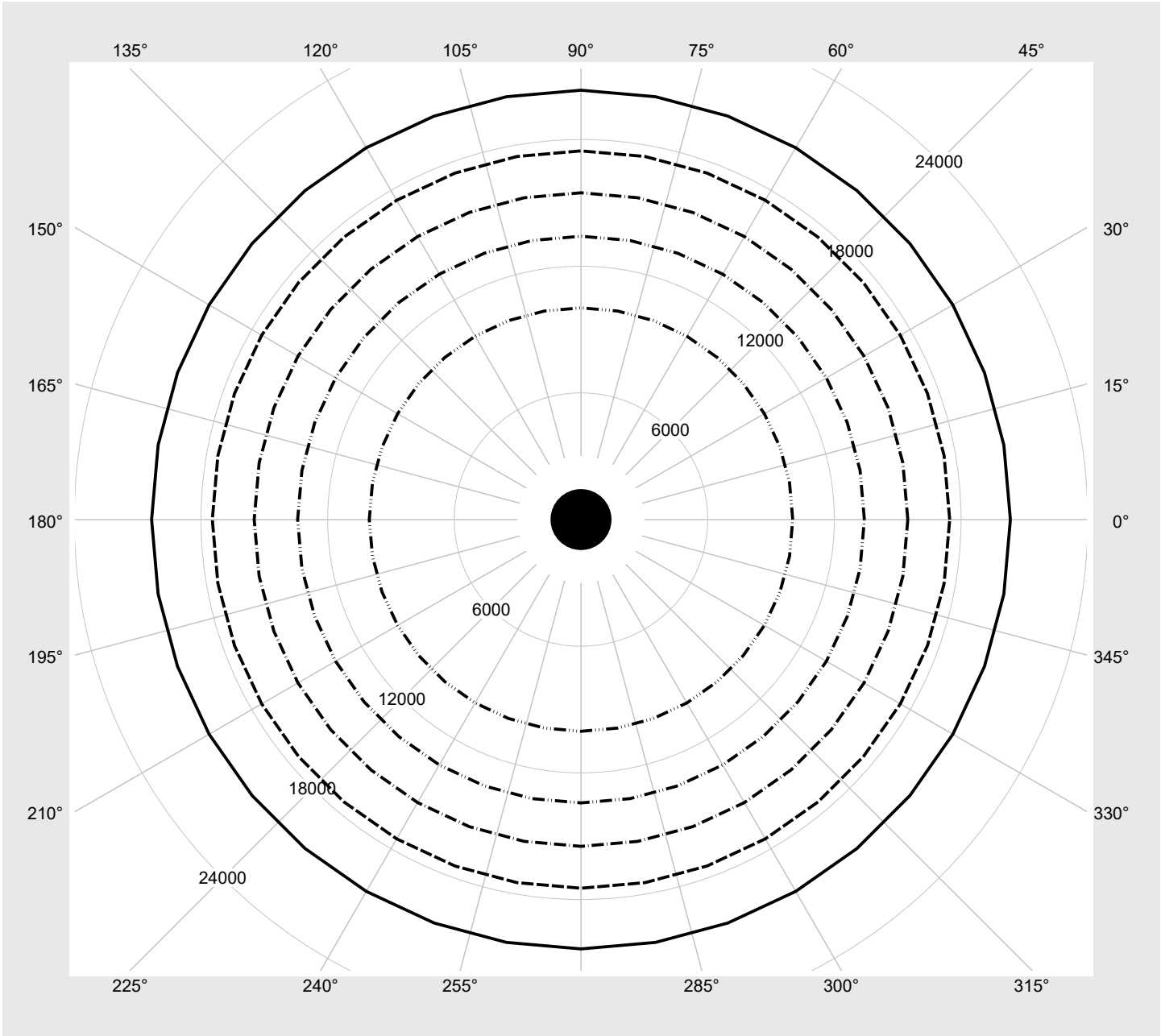
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 62
-----------------	---------------------------------	--------------------------------------

C-planes	0°
γ	Luminance in cd/m ²
45,0°	40585.9
50,0°	28442.8
55,0°	24127.5
60,0°	22288.3
65,0°	20337.8
70,0°	17463.4
75,0°	15479.2
80,0°	13421.8
85,0°	10029.1

Photometric test report

Family Spot 21 Standard	Order number: 51SE12MA2CD2C EAN: 4069025446879	LP number 59930_12
-----------------------------------	---	------------------------------

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: 51SE12MA2CD2C EAN: 4069025446879	LP number 59930_12
-----------------------------------	---	------------------------------

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

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
0	OFF	OFF	OFF	3620	26.5
1	ON	OFF	OFF	3400	24.4
2	OFF	ON	OFF	3170	22.4
3	ON	ON	OFF	2930	20.4
4	OFF	OFF	ON	2690	18.5
5	ON	OFF	ON	2440	16.5
6	OFF	ON	ON	2190	14.8
7	ON	ON	ON	1930	12.8