

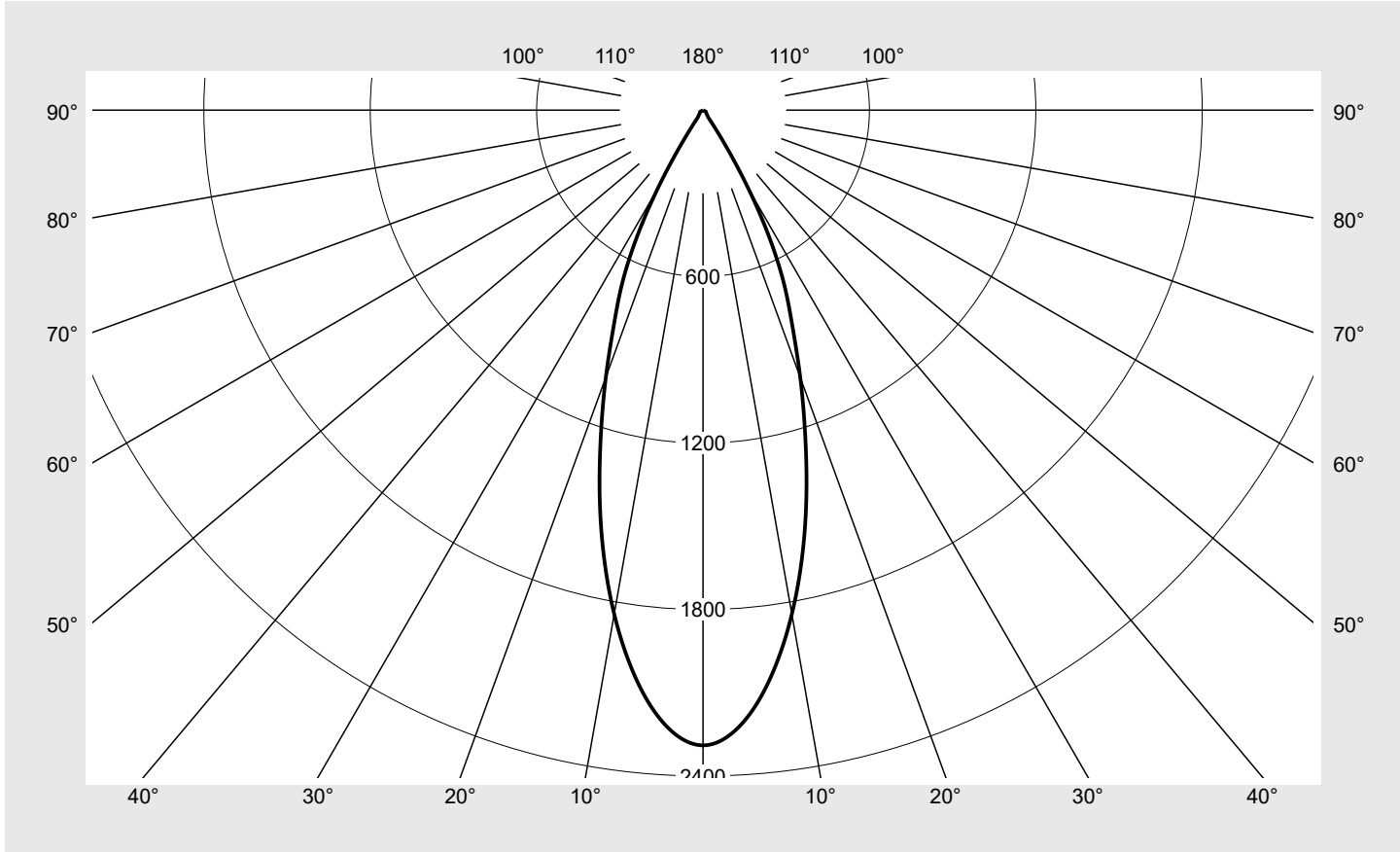


Photometric test report

Family Spot 21 Standard	Order number: 51SE13MB11A2C EAN: 4069025447043	LP number 59929_27										
	<table border="0"> <tr> <td>Version</td> <td>housing, white, reflector, cover glass, transparent, medium distribution</td> </tr> <tr> <td>Lamps</td> <td>LED 2700 K CRI ≥ 90</td> </tr> <tr> <td>Controlgear</td> <td>ECG Multilumen</td> </tr> <tr> <td>Setting</td> <td>factory setting: DIP-Step=4</td> </tr> <tr> <td>Rated values</td> <td> Net luminous flux = 2770 lm Power consumption = 18.5 W Luminous efficacy = 149.7 lm/W </td> </tr> </table>	Version	housing, white, reflector, cover glass, transparent, medium distribution	Lamps	LED 2700 K CRI ≥ 90	Controlgear	ECG Multilumen	Setting	factory setting: DIP-Step=4	Rated values	Net luminous flux = 2770 lm Power consumption = 18.5 W Luminous efficacy = 149.7 lm/W	serial documentation 11.05.2026 
Version	housing, white, reflector, cover glass, transparent, medium distribution											
Lamps	LED 2700 K CRI ≥ 90											
Controlgear	ECG Multilumen											
Setting	factory setting: DIP-Step=4											
Rated values	Net luminous flux = 2770 lm Power consumption = 18.5 W Luminous efficacy = 149.7 lm/W											

Luminous intensity in cd/klm C180-0 **Imax: 2290 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=96 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: 51SE13MB11A2C EAN: 4069025447043	LP number 59929_27
-----------------------------------	---	------------------------------

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°	2289.5	3.4	3.4
2,5°	2252.9	26.9	30.4
5,0°	2156.9	51.5	81.9
7,5°	2016.0	72.1	154.0
10,0°	1844.4	87.8	241.8
12,5°	1650.3	97.9	339.8
15,0°	1440.1	102.2	441.9
17,5°	1224.6	100.9	542.9
20,0°	1024.7	96.1	639.0
22,5°	841.7	88.3	727.2
25,0°	691.4	80.1	807.3
27,5°	518.9	65.7	873.0
30,0°	329.4	45.2	918.2
32,5°	151.6	22.3	940.5
35,0°	46.4	7.3	947.8
37,5°	28.4	4.7	952.6
40,0°	23.2	4.1	956.6
42,5°	20.2	3.7	960.4
45,0°	18.0	3.5	963.9
47,5°	16.3	3.3	967.1
50,0°	15.1	3.2	970.3
52,5°	14.3	3.1	973.4
55,0°	13.6	3.1	976.5
57,5°	13.0	3.0	979.5
60,0°	12.3	2.9	982.5
62,5°	11.6	2.8	985.3
65,0°	10.9	2.7	988.0
67,5°	9.9	2.5	990.5
70,0°	8.9	2.3	992.8
72,5°	7.7	2.0	994.8
75,0°	6.2	1.6	996.5
77,5°	4.8	1.3	997.8
80,0°	3.6	1.0	998.7
82,5°	2.5	0.7	999.4
85,0°	1.5	0.4	999.8
87,5°	0.6	0.2	1000.0
90,0°	0.0	0.0	1000.0

Photometric test report

Family Spot 21 Standard	Order number: 51SE13MB11A2C EAN: 4069025447043	LP number 59929_27
----------------------------	---	-----------------------

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	15.4	16.4	15.7	16.7	17.1	15.4	16.4	15.7	16.7	17.1
	3H	16.6	17.5	17.0	17.8	18.2	16.6	17.5	17.0	17.8	18.2
	4H	17.1	17.9	17.5	18.3	18.7	17.1	17.9	17.5	18.3	18.7
	6H	17.5	18.2	17.9	18.6	19.0	17.5	18.2	17.9	18.6	19.0
	8H	17.7	18.3	18.2	18.7	19.1	17.7	18.3	18.2	18.7	19.1
	12H	17.8	18.3	18.2	18.7	19.1	17.8	18.3	18.2	18.7	19.1
4H	2H	15.8	16.6	16.2	17.0	17.3	15.8	16.6	16.2	17.0	17.3
	3H	17.2	17.9	17.6	18.3	18.7	17.2	17.9	17.6	18.3	18.7
	4H	17.8	18.4	18.3	18.9	19.3	17.8	18.4	18.3	18.9	19.3
	6H	18.3	18.8	18.7	19.3	19.7	18.3	18.8	18.7	19.3	19.7
	8H	18.5	18.9	19.0	19.4	19.9	18.5	18.9	19.0	19.4	19.9
	12H	18.6	18.9	19.1	19.4	19.9	18.6	18.9	19.1	19.4	19.9
8H	4H	18.1	18.5	18.6	19.0	19.5	18.1	18.5	18.6	19.0	19.5
	6H	18.7	19.0	19.2	19.5	20.0	18.7	19.0	19.2	19.5	20.0
	8H	18.8	19.2	19.4	19.7	20.2	18.8	19.2	19.4	19.7	20.2
	12H	19.0	19.2	19.5	19.8	20.3	19.0	19.2	19.5	19.8	20.3
12H	4H	18.1	18.4	18.6	18.9	19.4	18.1	18.4	18.6	18.9	19.4
	6H	18.7	19.0	19.2	19.5	20.0	18.7	19.0	19.2	19.5	20.0
	8H	18.9	19.2	19.4	19.7	20.2	18.9	19.2	19.4	19.7	20.2

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
-----------------	---------------------------------	--------------------------------------

C-planes	0°
γ	Luminance in cd/m ²
45,0°	13320.2
50,0°	12360.9
55,0°	12476.2
60,0°	12944.1
65,0°	13571.7
70,0°	13691.9
75,0°	12605.4
80,0°	10907.4
85,0°	9057.4

Photometric test report

Family Spot 21 Standard	Order number: 51SE13MB11A2C EAN: 4069025447043	LP number 59929_27
-----------------------------------	---	------------------------------

Luminance values in cd/m²

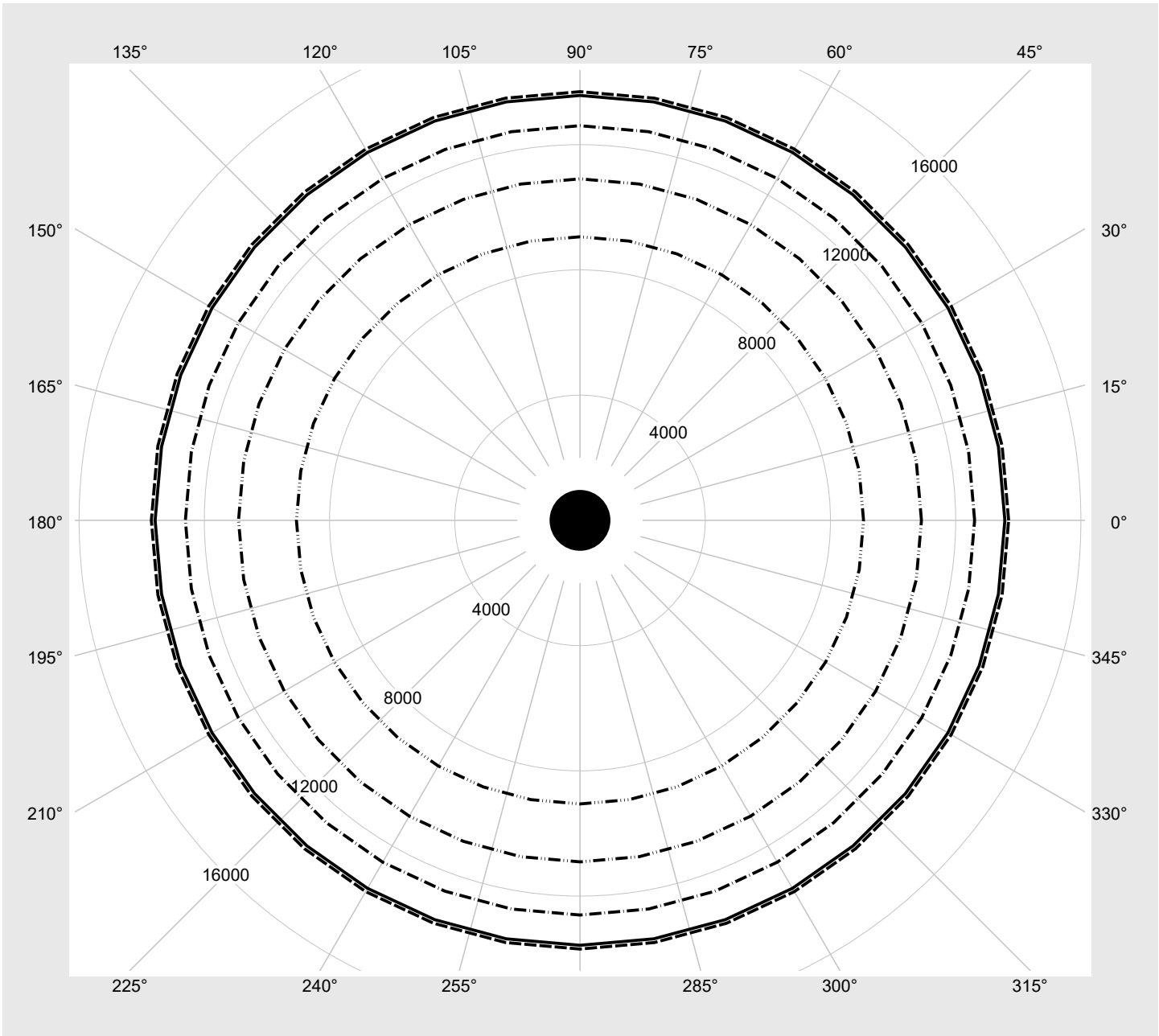
 γ 65°

 γ 70°

 γ 75°

 γ 80°

 γ 85°



Photometric test report

Family Spot 21 Standard	Order number: 51SE13MB11A2C EAN: 4069025447043	LP number 59929_27
-----------------------------------	---	------------------------------

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

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
0	OFF	OFF	OFF	3730	26.5
1	ON	OFF	OFF	3500	24.5
2	OFF	ON	OFF	3260	22.5
3	ON	ON	OFF	3020	20.5
4	OFF	OFF	ON	2770	18.5
5	ON	OFF	ON	2510	16.6
6	OFF	ON	ON	2260	14.8
7	ON	ON	ON	1990	12.9