

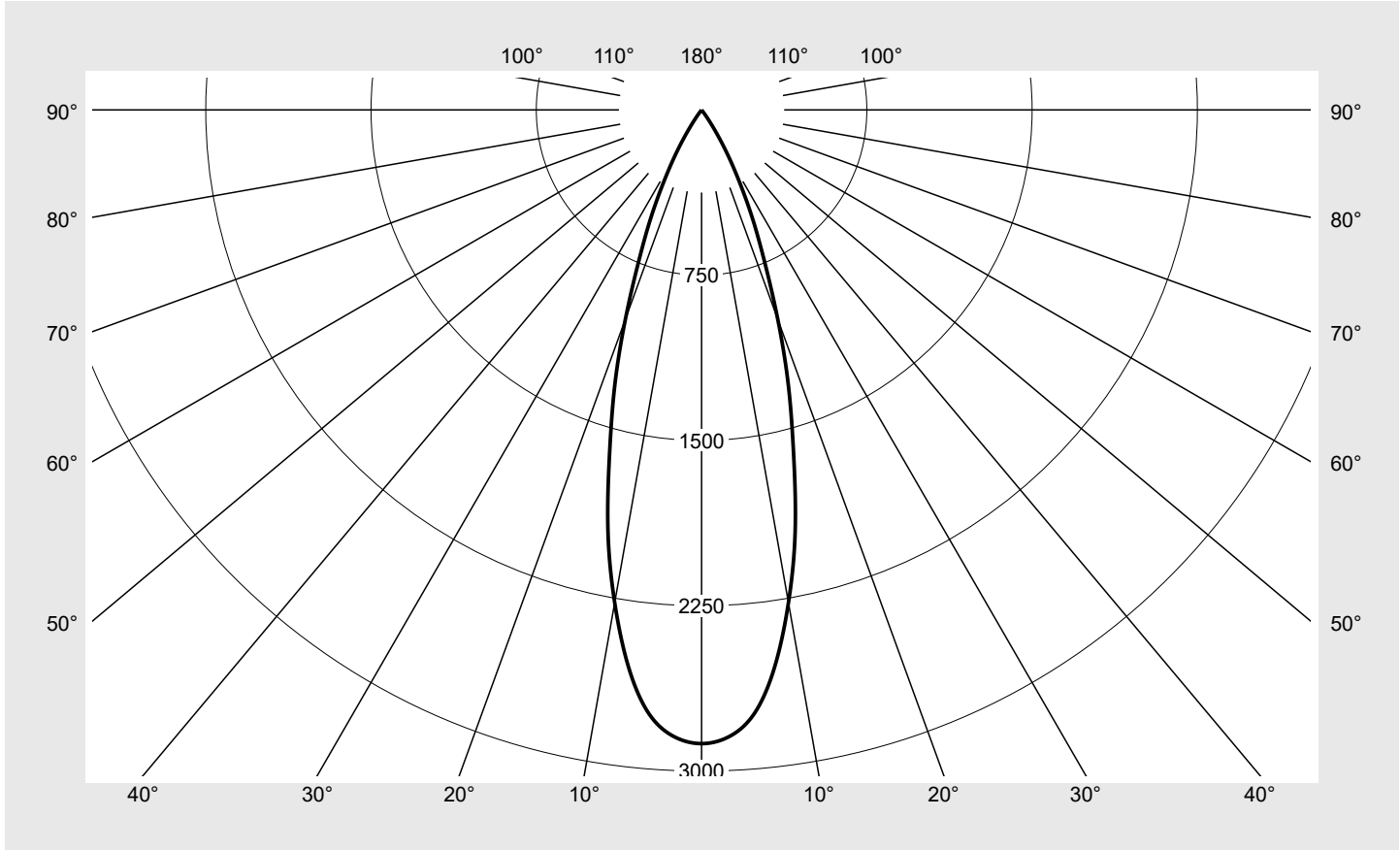


Photometric test report

Family Spot 21 Performance	Order number: 51SD33MB11B3B EAN: 4069025538796	LP number 59945_7										
	<table border="0"> <tr> <td>Version</td> <td>housing, black, reflector, cover glass, transparent, medium distribution</td> </tr> <tr> <td>Lamps</td> <td>LED 3000 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 = 3000 lm Power consumption = 19.1 W Luminous efficacy = 157.1 lm/W</td> </tr> </table>	Version	housing, black, reflector, cover glass, transparent, medium distribution	Lamps	LED 3000 K CRI ≥ 90	Controlgear	ECG Multilumen	Setting	factory setting: DIP-Step=4	Rated values	Net luminous flux = 3000 lm Power consumption = 19.1 W Luminous efficacy = 157.1 lm/W	serial documentation 11.05.2026 
Version	housing, black, reflector, cover glass, transparent, medium distribution											
Lamps	LED 3000 K CRI ≥ 90											
Controlgear	ECG Multilumen											
Setting	factory setting: DIP-Step=4											
Rated values	Net luminous flux = 3000 lm Power consumption = 19.1 W Luminous efficacy = 157.1 lm/W											

Luminous intensity in cd/klm C180-0 **Imax: 2875 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=99 N2=100 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 Performance	Order number: 51SD33MB11B3B EAN: 4069025538796	LP number 59945_7
---	---	------------------------------------



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°	2875.4	4.3	4.3
2,5°	2846.8	34.0	38.3
5,0°	2749.2	65.7	104.0
7,5°	2546.8	91.1	195.2
10,0°	2270.6	108.1	303.2
12,5°	1962.1	116.4	419.7
15,0°	1613.1	114.4	534.1
17,5°	1309.8	108.0	642.1
20,0°	1010.8	94.8	736.9
22,5°	749.1	78.6	815.4
25,0°	553.8	64.2	879.6
27,5°	382.5	48.4	928.0
30,0°	247.7	34.0	962.0
32,5°	136.4	20.1	982.0
35,0°	55.9	8.8	990.8
37,5°	13.7	2.3	993.1
40,0°	8.1	1.4	994.5
42,5°	5.6	1.0	995.6
45,0°	4.1	0.8	996.4
47,5°	3.1	0.6	997.0
50,0°	2.4	0.5	997.5
52,5°	2.0	0.4	998.0
55,0°	1.8	0.4	998.4
57,5°	1.7	0.4	998.8
60,0°	1.4	0.3	999.1
62,5°	1.1	0.3	999.4
65,0°	0.9	0.2	999.6
67,5°	0.7	0.2	999.8
70,0°	0.5	0.1	999.9
72,5°	0.3	0.1	1000.0
75,0°	0.1	0.0	1000.0
77,5°	0.0	0.0	1000.0
80,0°	0.0	0.0	1000.0
82,5°	0.0	0.0	1000.0
85,0°	0.0	0.0	1000.0
87,5°	0.0	0.0	1000.0
90,0°	0.0	0.0	1000.0

Photometric test report

Family Spot 21 Performance	Order number: 51SD33MB11B3B EAN: 4069025538796	LP number 59945_7
--------------------------------------	---	-----------------------------

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	12.7	13.6	13.0	13.9	14.2	12.7	13.6	13.0	13.9	14.2
	3H	12.5	13.3	12.9	13.7	14.0	12.5	13.3	12.9	13.7	14.0
	4H	12.4	13.2	12.8	13.5	13.9	12.4	13.2	12.8	13.5	13.9
	6H	12.3	13.0	12.8	13.4	13.8	12.3	13.0	12.8	13.4	13.8
	8H	12.4	12.9	12.9	13.3	13.7	12.4	12.9	12.9	13.3	13.7
	12H	12.4	12.8	12.8	13.2	13.6	12.4	12.8	12.8	13.2	13.6
4H	2H	12.4	13.2	12.8	13.5	13.9	12.4	13.2	12.8	13.5	13.9
	3H	12.2	12.8	12.6	13.2	13.6	12.2	12.8	12.6	13.2	13.6
	4H	12.1	12.6	12.5	13.0	13.5	12.1	12.6	12.5	13.0	13.5
	6H	12.0	12.4	12.4	12.9	13.3	12.0	12.4	12.4	12.9	13.3
	8H	11.9	12.3	12.4	12.8	13.3	11.9	12.3	12.4	12.8	13.3
	12H	11.9	12.2	12.4	12.7	13.2	11.9	12.2	12.4	12.7	13.2
8H	4H	11.9	12.3	12.4	12.8	13.3	11.9	12.3	12.4	12.8	13.3
	6H	11.8	12.1	12.3	12.6	13.1	11.8	12.1	12.3	12.6	13.1
	8H	11.7	12.0	12.2	12.5	13.0	11.7	12.0	12.2	12.5	13.0
	12H	11.7	11.9	12.2	12.4	12.9	11.7	11.9	12.2	12.4	12.9
12H	4H	11.9	12.2	12.4	12.7	13.2	11.9	12.2	12.4	12.7	13.2
	6H	11.8	12.0	12.3	12.5	13.0	11.8	12.0	12.3	12.5	13.0
	8H	11.7	11.9	12.2	12.4	12.9	11.7	11.9	12.2	12.4	12.9

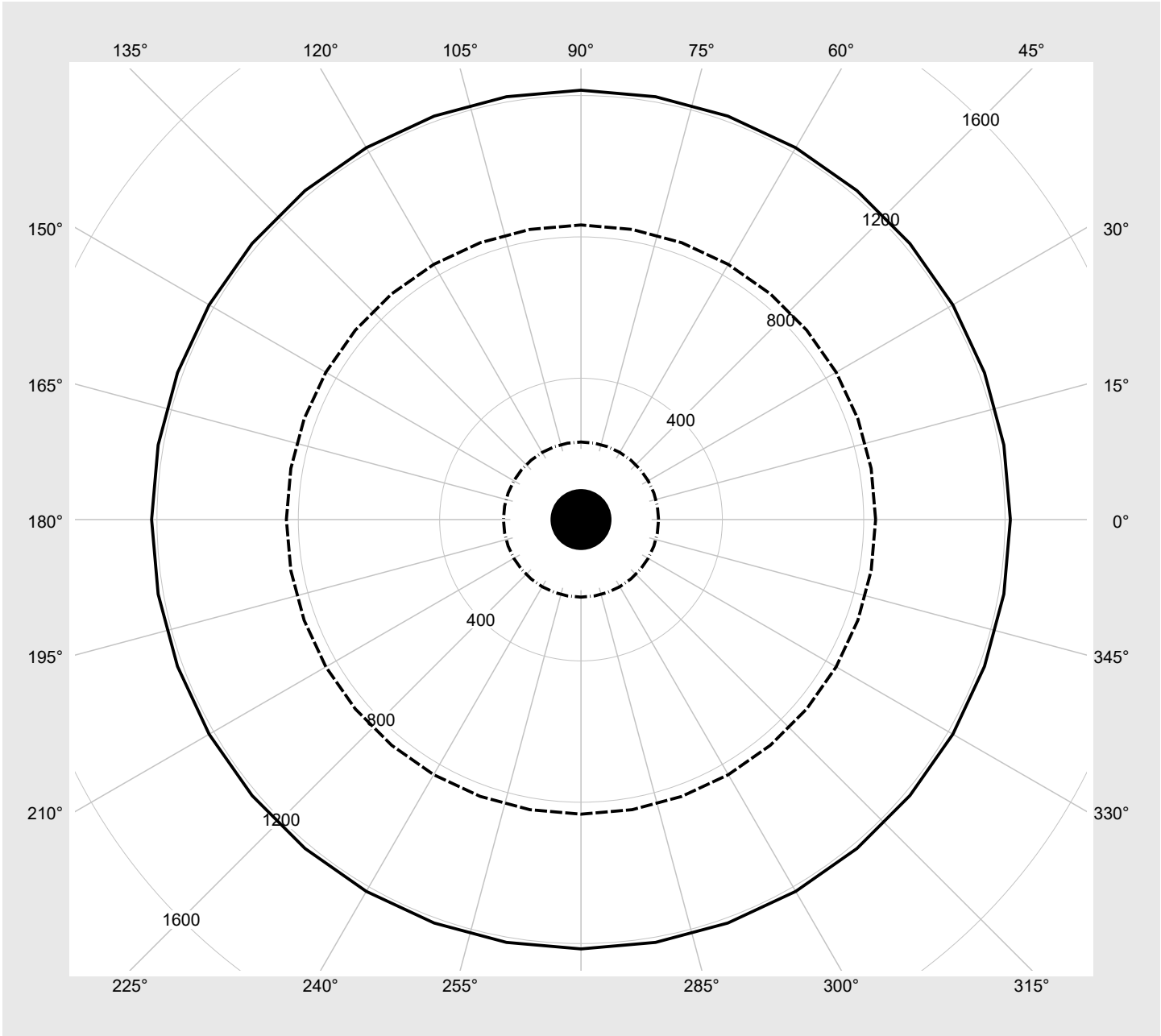
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
------------------------	---	---

C-planes	0°
γ	Luminance in cd/m²
45,0°	3307.5
50,0°	2129.9
55,0°	1789.7
60,0°	1597.4
65,0°	1215.1
70,0°	833.8
75,0°	219.5
80,0°	0.0
85,0°	0.0

Photometric test report

Family Spot 21 Performance	Order number: 51SD33MB11B3B EAN: 4069025538796	LP number 59945_7
--------------------------------------	---	-----------------------------

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



Photometric test report

Family Spot 21 Performance	Order number: 51SD33MB11B3B EAN: 4069025538796	LP number 59945_7
--------------------------------------	---	------------------------------------

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

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
0	OFF	OFF	OFF	4110	27.0
1	ON	OFF	OFF	3840	25.0
2	OFF	ON	OFF	3560	23.0
3	ON	ON	OFF	3280	21.0
4	OFF	OFF	ON	3000	19.1
5	ON	OFF	ON	2710	17.1
6	OFF	ON	ON	2420	15.2
7	ON	ON	ON	2120	13.4