

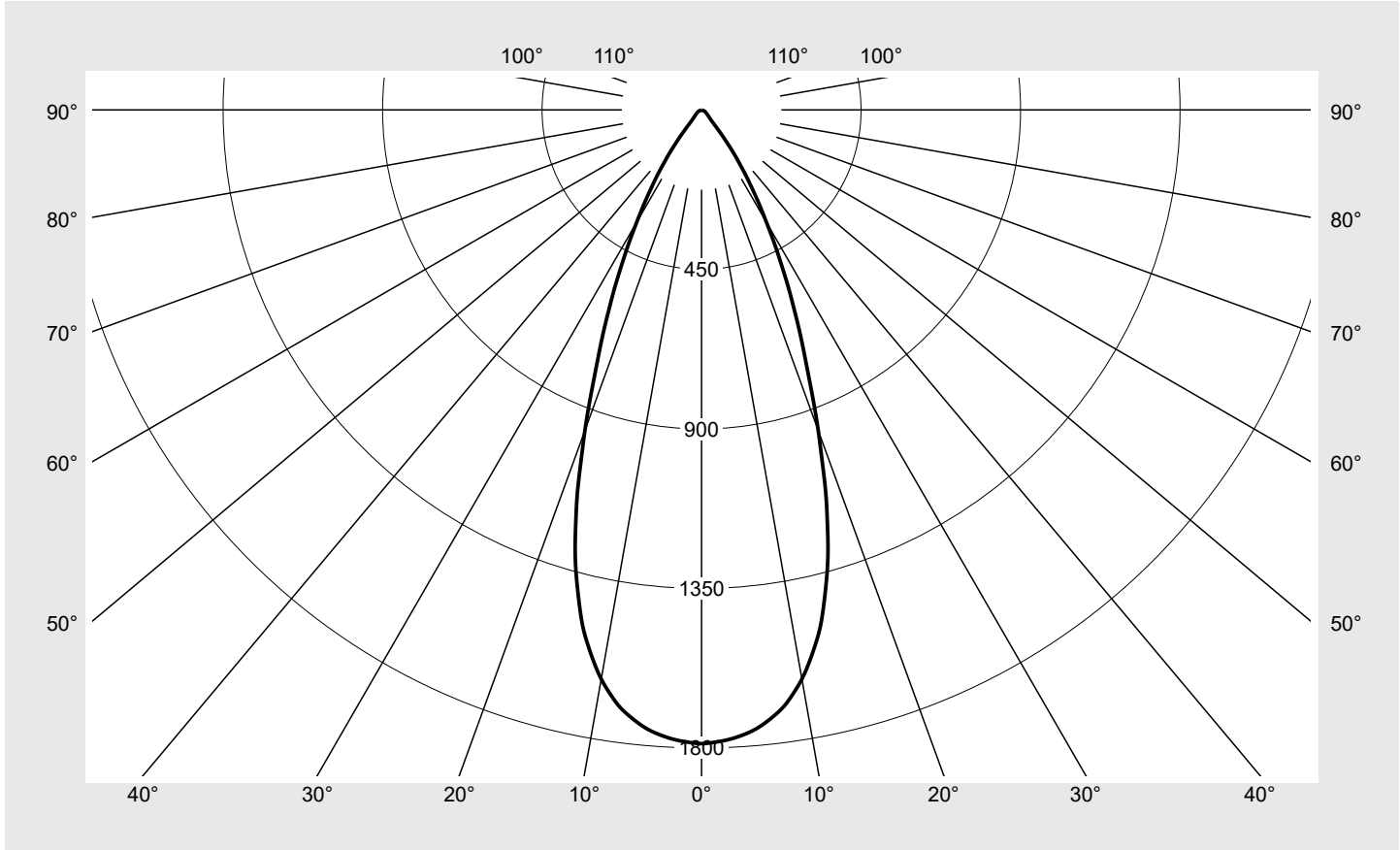


Photometric test report

Family Spot 11	Order number: 51SD14MAA5A EAN: 4058352716342	LP number 59368_1										
	<table border="0"> <tr> <td>Version</td> <td>reflector, cover panel, PC, clear, wide 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=10</td> </tr> <tr> <td>Rated values</td> <td> Net luminous flux = 5550 lm Power consumption = 37.9 W Luminous efficacy = 146.4 lm/W </td> </tr> </table>	Version	reflector, cover panel, PC, clear, wide distribution	Lamps	LED 2700 K CRI ≥ 90	Controlgear	ECG Multilumen	Setting	factory setting: DIP-Step=10	Rated values	Net luminous flux = 5550 lm Power consumption = 37.9 W Luminous efficacy = 146.4 lm/W	serial documentation 23.12.2022 
Version	reflector, cover panel, PC, clear, wide distribution											
Lamps	LED 2700 K CRI ≥ 90											
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Luminous intensity in cd/klm C180-0 **Imax: 1788 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=95 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

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Table of values for luminous intensities		Maximum luminous intensity
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C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
0°	1787.8	0.4	0.4
1°	1785.0	3.4	3.8
2°	1780.6	6.8	10.7
3°	1774.1	10.2	20.8
4°	1765.1	13.5	34.3
5°	1753.5	16.8	51.1
6°	1737.2	19.9	71.0
7°	1718.0	23.0	94.0
8°	1695.0	25.9	119.8
9°	1664.4	28.6	148.4
10°	1630.4	31.0	179.4
11°	1588.8	33.2	212.7
12°	1543.0	35.2	247.9
13°	1492.7	36.8	284.7
14°	1429.8	37.9	322.6
15°	1364.5	38.7	361.3
16°	1294.1	39.1	400.5
17°	1213.5	38.9	439.4
18°	1133.2	38.4	477.8
19°	1043.5	37.3	515.0
20°	962.6	36.1	551.1
21°	880.9	34.6	585.7
22°	803.1	33.0	618.7
23°	736.5	31.6	650.3
24°	675.3	30.1	680.4
25°	614.8	28.5	708.9
26°	561.0	27.0	735.9
27°	506.2	25.2	761.1
28°	457.2	23.5	784.6
29°	410.6	21.8	806.4
30°	366.1	20.1	826.5
31°	327.4	18.5	845.0
32°	290.6	16.9	861.9
33°	255.7	15.3	877.2
34°	225.3	13.8	891.0
35°	193.5	12.2	903.2
36°	166.5	10.7	913.9
37°	139.9	9.2	923.1
38°	114.0	7.7	930.8
39°	91.9	6.3	937.2
40°	71.2	5.0	942.2
41°	55.8	4.0	946.2
42°	45.5	3.3	949.5
43°	39.2	2.9	952.5
44°	34.9	2.7	955.1
45°	32.1	2.5	957.6
46°	29.6	2.3	960.0

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	27.8	2.2	962.2
48°	25.7	2.1	964.3
49°	24.0	2.0	966.3
50°	22.5	1.9	968.2
51°	21.0	1.8	969.9
52°	19.7	1.7	971.7
53°	18.6	1.6	973.3
54°	17.4	1.5	974.8
55°	16.5	1.5	976.3
56°	15.5	1.4	977.7
57°	14.7	1.4	979.1
58°	14.0	1.3	980.4
59°	13.3	1.2	981.6
60°	12.7	1.2	982.8
61°	12.0	1.2	984.0
62°	11.5	1.1	985.1
63°	10.9	1.1	986.2
64°	10.4	1.0	987.2
65°	9.9	1.0	988.2
66°	9.4	0.9	989.1
67°	9.0	0.9	990.0
68°	8.5	0.9	990.9
69°	8.1	0.8	991.7
70°	7.7	0.8	992.5
71°	7.3	0.8	993.3
72°	6.8	0.7	994.0
73°	6.5	0.7	994.7
74°	6.1	0.6	995.3
75°	5.7	0.6	995.9
76°	5.4	0.6	996.5
77°	5.0	0.5	997.0
78°	4.7	0.5	997.5
79°	4.4	0.5	998.0
80°	4.0	0.4	998.4
81°	3.5	0.4	998.8
82°	3.1	0.3	999.1
83°	2.5	0.3	999.4
84°	2.0	0.2	999.6
85°	1.5	0.2	999.8
86°	1.0	0.1	999.9
87°	0.6	0.1	1000.0
88°	0.2	0.0	1000.0
89°	0.1	0.0	1000.0
90°	0.1	0.0	1000.0

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UGR-Table	Standard room	sitEco
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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	21.8	22.9	22.2	23.2	23.5	21.8	22.9	22.2	23.2	23.5
	3H	22.0	23.0	22.4	23.3	23.7	22.0	23.0	22.4	23.3	23.7
	4H	22.2	23.1	22.6	23.4	23.8	22.2	23.1	22.6	23.4	23.8
	6H	22.4	23.1	22.8	23.5	23.9	22.4	23.1	22.8	23.5	23.9
	8H	22.6	23.2	23.0	23.6	24.0	22.6	23.2	23.0	23.6	24.0
	12H	22.6	23.1	23.0	23.5	23.9	22.6	23.1	23.0	23.5	23.9
4H	2H	21.8	22.6	22.2	23.0	23.4	21.8	22.6	22.2	23.0	23.4
	3H	22.1	22.8	22.6	23.2	23.7	22.1	22.8	22.6	23.2	23.7
	4H	22.4	23.0	22.8	23.4	23.9	22.4	23.0	22.8	23.4	23.9
	6H	22.6	23.2	23.1	23.6	24.1	22.6	23.2	23.1	23.6	24.1
	8H	22.8	23.2	23.2	23.7	24.2	22.8	23.2	23.2	23.7	24.2
	12H	22.8	23.2	23.3	23.7	24.2	22.8	23.2	23.3	23.7	24.2
8H	4H	22.4	22.9	22.9	23.3	23.8	22.4	22.9	22.9	23.3	23.8
	6H	22.8	23.2	23.3	23.7	24.2	22.8	23.2	23.3	23.7	24.2
	8H	22.9	23.3	23.5	23.8	24.3	22.9	23.3	23.5	23.8	24.3
	12H	23.0	23.3	23.6	23.8	24.4	23.0	23.3	23.6	23.8	24.4
12H	4H	22.4	22.8	22.9	23.3	23.8	22.4	22.8	22.9	23.3	23.8
	6H	22.8	23.1	23.3	23.6	24.1	22.8	23.1	23.3	23.6	24.1
	8H	23.0	23.3	23.5	23.8	24.3	23.0	23.3	23.5	23.8	24.3

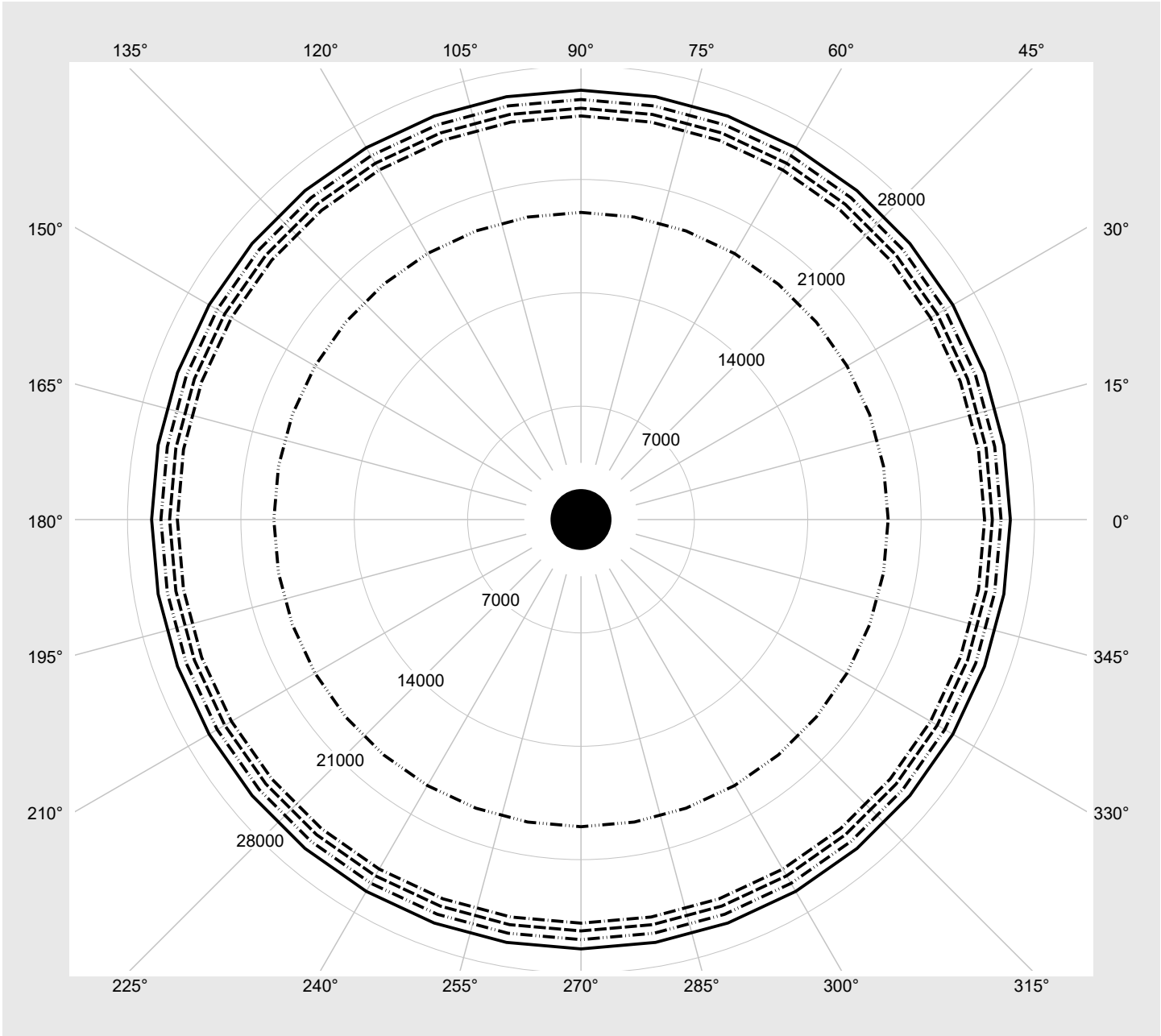
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 79
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C-planes	0°
γ	Luminance in cd/m ²
45°	51448.7
50°	39600.2
55°	32532.3
60°	28678.1
65°	26513.1
70°	25401.7
75°	24922.9
80°	25938.4
85°	18967.3

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



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Multilumen Table	environmental temperature: 25°C	siteco
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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
15	ON	ON	ON	ON	7210	50.7
14	ON	ON	ON	OFF	6920	47.9
13	ON	ON	OFF	ON	6550	45.3
12	ON	ON	OFF	OFF	6240	43.0
11	ON	OFF	ON	ON	5880	40.2
10	ON	OFF	ON	OFF	5550	37.9
9	ON	OFF	OFF	ON	5180	35.5
8	ON	OFF	OFF	OFF	4900	33.2
7	OFF	ON	ON	ON	4610	31.1
6	OFF	ON	ON	OFF	4300	28.8
5	OFF	ON	OFF	ON	3960	26.3
4	OFF	ON	OFF	OFF	3640	24.0
3	OFF	OFF	ON	ON	3250	21.3
2	OFF	OFF	ON	OFF	2920	19.1
1	OFF	OFF	OFF	ON	2550	16.6
0	OFF	OFF	OFF	OFF	2190	14.3