

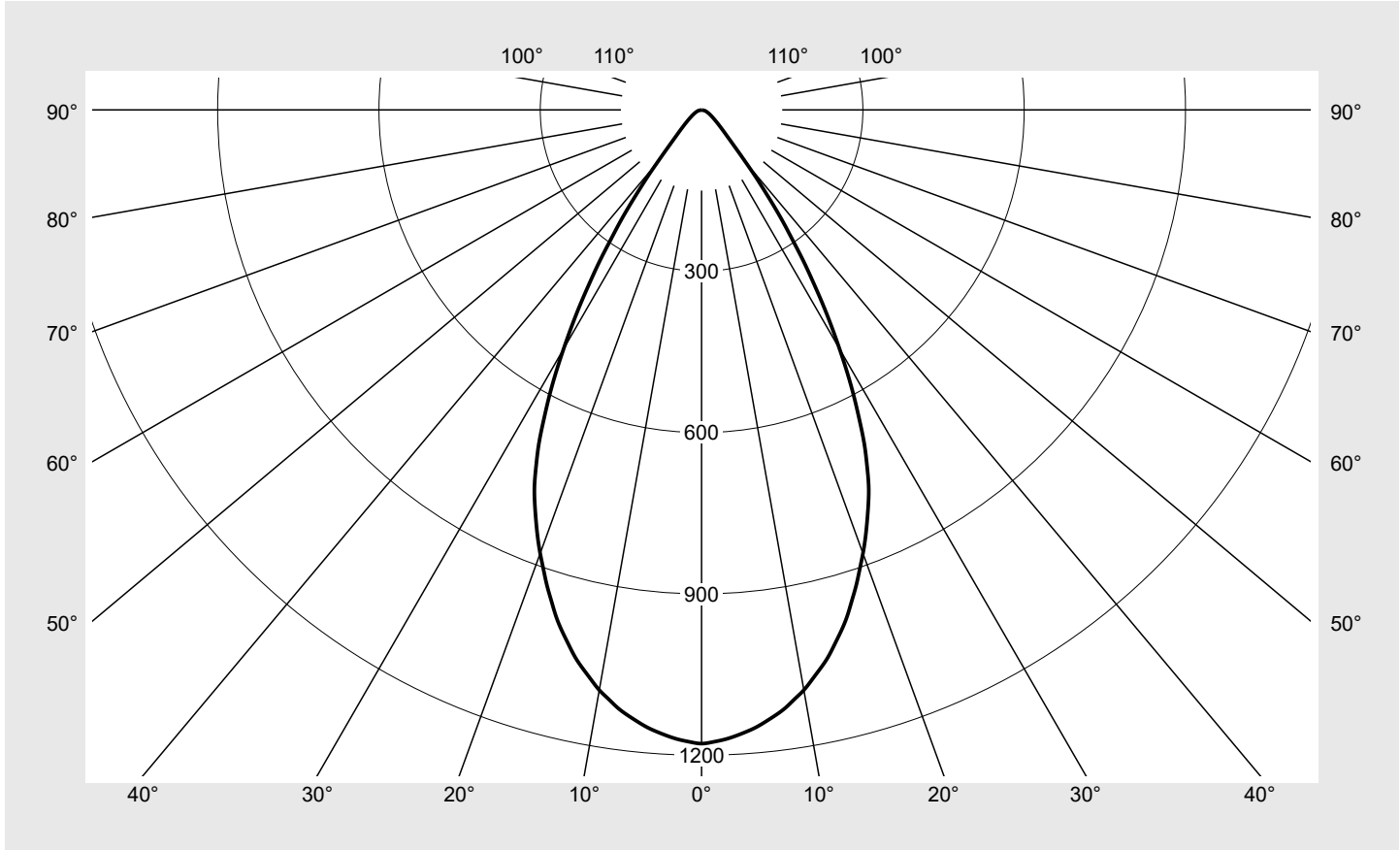


Photometric test report

Family Spot 11	Order number: 51SD15MBA5A EAN: 4058352716434	LP number 59369_7										
	<table border="0"> <tr> <td>Version</td> <td>reflector, cover panel, PC, clear, extremely 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 = 5680 lm Power consumption = 37.9 W Luminous efficacy = 149.9 lm/W </td> </tr> </table>	Version	reflector, cover panel, PC, clear, extremely wide distribution	Lamps	LED 2700 K CRI ≥ 90	Controlgear	ECG Multilumen	Setting	factory setting: DIP-Step=10	Rated values	Net luminous flux = 5680 lm Power consumption = 37.9 W Luminous efficacy = 149.9 lm/W	serial documentation 23.12.2022 
Version	reflector, cover panel, PC, clear, extremely wide distribution											
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Luminous intensity in cd/klm C180-0 **Imax: 1178 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=91 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
		siteco

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
0°	1178.4	0.3	0.3
1°	1175.7	2.3	2.5
2°	1171.9	4.5	7.0
3°	1166.6	6.7	13.7
4°	1160.1	8.9	22.6
5°	1152.9	11.0	33.6
6°	1143.6	13.1	46.7
7°	1133.7	15.2	61.9
8°	1122.6	17.1	79.0
9°	1108.8	19.0	98.0
10°	1095.5	20.9	118.9
11°	1078.8	22.6	141.5
12°	1062.1	24.2	165.7
13°	1044.7	25.8	191.4
14°	1023.8	27.2	218.6
15°	1003.1	28.5	247.1
16°	980.8	29.6	276.7
17°	955.1	30.6	307.3
18°	930.2	31.5	338.9
19°	903.4	32.3	371.1
20°	877.6	32.9	404.0
21°	850.7	33.4	437.5
22°	822.4	33.8	471.2
23°	794.1	34.0	505.3
24°	763.9	34.1	539.3
25°	727.5	33.7	573.1
26°	690.1	33.2	606.2
27°	646.6	32.2	638.4
28°	603.7	31.1	669.5
29°	559.1	29.7	699.2
30°	513.2	28.1	727.4
31°	468.5	26.5	753.8
32°	424.0	24.6	778.5
33°	379.2	22.6	801.1
34°	338.0	20.7	821.8
35°	294.8	18.5	840.4
36°	258.7	16.7	857.1
37°	222.0	14.6	871.7
38°	187.4	12.7	884.4
39°	158.5	10.9	895.3
40°	130.3	9.2	904.5
41°	108.7	7.8	912.3
42°	92.1	6.8	919.1
43°	79.7	6.0	925.0
44°	70.0	5.3	930.3
45°	62.5	4.8	935.2
46°	56.3	4.4	939.6

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	51.1	4.1	943.7
48°	46.5	3.8	947.5
49°	42.6	3.5	951.1
50°	39.2	3.3	954.3
51°	35.9	3.1	957.4
52°	33.2	2.9	960.3
53°	30.8	2.7	963.0
54°	28.5	2.5	965.5
55°	26.5	2.4	967.9
56°	24.7	2.2	970.1
57°	23.1	2.1	972.3
58°	21.6	2.0	974.3
59°	20.2	1.9	976.2
60°	18.9	1.8	978.0
61°	17.8	1.7	979.7
62°	16.6	1.6	981.3
63°	15.6	1.5	982.8
64°	14.6	1.4	984.2
65°	13.7	1.4	985.6
66°	12.9	1.3	986.9
67°	12.0	1.2	988.1
68°	11.3	1.1	989.3
69°	10.5	1.1	990.3
70°	9.8	1.0	991.3
71°	9.2	0.9	992.3
72°	8.5	0.9	993.2
73°	7.9	0.8	994.0
74°	7.4	0.8	994.8
75°	6.8	0.7	995.5
76°	6.3	0.7	996.2
77°	5.8	0.6	996.8
78°	5.4	0.6	997.4
79°	4.9	0.5	997.9
80°	4.4	0.5	998.4
81°	3.8	0.4	998.8
82°	3.3	0.4	999.1
83°	2.5	0.3	999.4
84°	1.9	0.2	999.6
85°	1.4	0.2	999.8
86°	1.0	0.1	999.9
87°	0.5	0.1	1000.0
88°	0.2	0.0	1000.0
89°	0.2	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	24.9	26.1	25.3	26.4	26.7	24.9	26.1	25.3	26.4	26.7
	3H	25.0	26.1	25.4	26.4	26.8	25.0	26.1	25.4	26.4	26.8
	4H	25.1	26.1	25.5	26.4	26.8	25.1	26.1	25.5	26.4	26.8
	6H	25.2	26.0	25.6	26.4	26.8	25.2	26.0	25.6	26.4	26.8
	8H	25.3	26.0	25.7	26.4	26.8	25.3	26.0	25.7	26.4	26.8
	12H	25.3	25.9	25.7	26.3	26.8	25.3	25.9	25.7	26.3	26.8
4H	2H	24.9	25.8	25.2	26.2	26.5	24.9	25.8	25.2	26.2	26.5
	3H	25.1	25.9	25.5	26.3	26.7	25.1	25.9	25.5	26.3	26.7
	4H	25.2	25.9	25.6	26.3	26.7	25.2	25.9	25.6	26.3	26.7
	6H	25.3	25.9	25.8	26.3	26.8	25.3	25.9	25.8	26.3	26.8
	8H	25.4	25.9	25.8	26.3	26.8	25.4	25.9	25.8	26.3	26.8
	12H	25.4	25.8	25.9	26.3	26.8	25.4	25.8	25.9	26.3	26.8
8H	4H	25.2	25.7	25.7	26.2	26.6	25.2	25.7	25.7	26.2	26.6
	6H	25.4	25.8	25.9	26.3	26.8	25.4	25.8	25.9	26.3	26.8
	8H	25.4	25.8	25.9	26.3	26.8	25.4	25.8	25.9	26.3	26.8
	12H	25.5	25.8	26.0	26.3	26.8	25.5	25.8	26.0	26.3	26.8
12H	4H	25.2	25.6	25.7	26.1	26.6	25.2	25.6	25.7	26.1	26.6
	6H	25.4	25.7	25.9	26.2	26.7	25.4	25.7	25.9	26.2	26.7
	8H	25.4	25.7	26.0	26.2	26.8	25.4	25.7	26.0	26.2	26.8

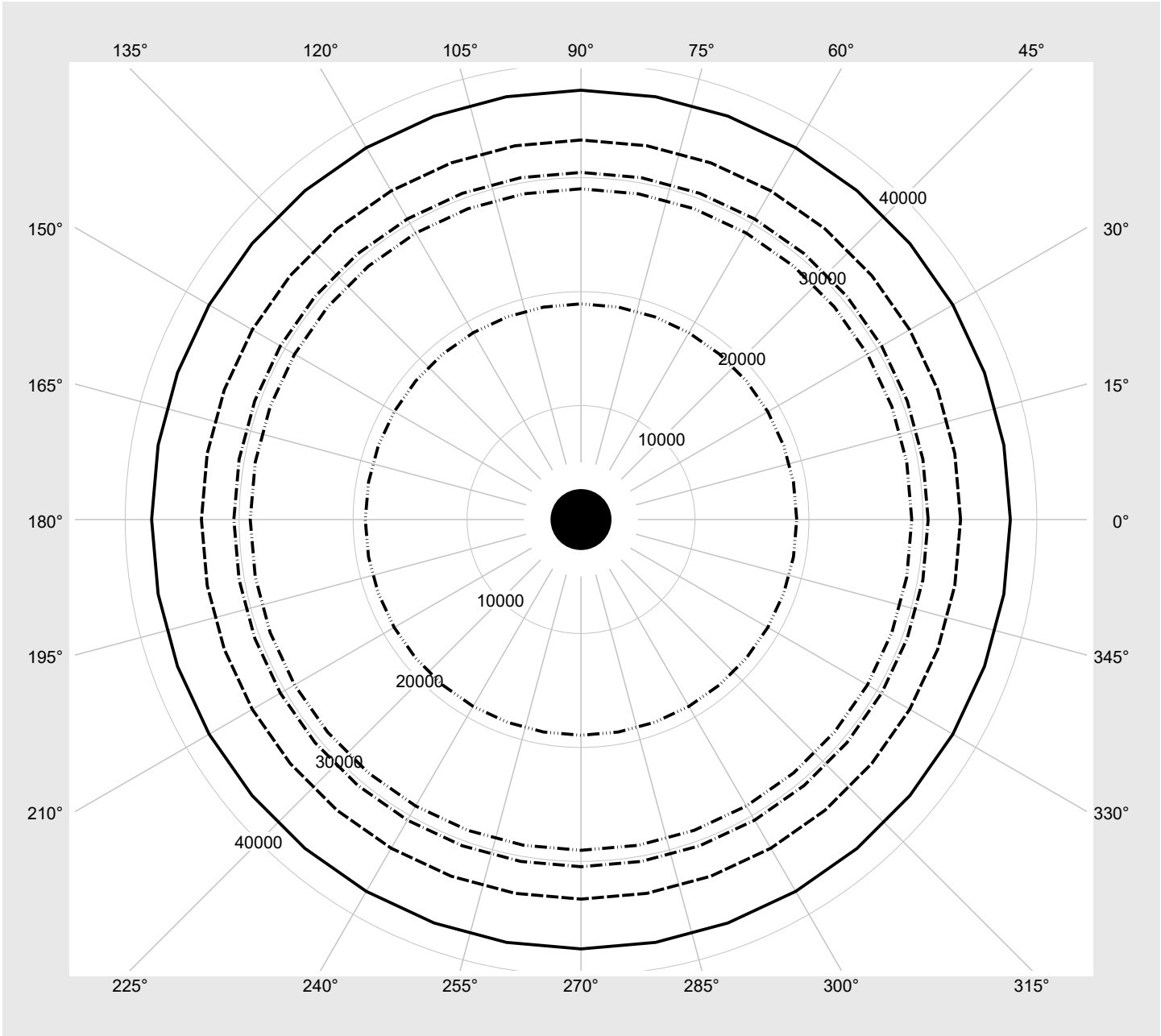
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 79
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C-planes	0°
γ	Luminance in cd/m ²
45°	102470.9
50°	70639.2
55°	53586.1
60°	43871.7
65°	37682.3
70°	33311.5
75°	30467.5
80°	29028.4
85°	18932.9

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



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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	7280	50.5
14	ON	ON	ON	OFF	7010	47.9
13	ON	ON	OFF	ON	6680	45.8
12	ON	ON	OFF	OFF	6340	43.0
11	ON	OFF	ON	ON	6010	40.3
10	ON	OFF	ON	OFF	5680	37.9
9	ON	OFF	OFF	ON	5370	35.5
8	ON	OFF	OFF	OFF	5050	33.3
7	OFF	ON	ON	ON	4730	31.1
6	OFF	ON	ON	OFF	4400	28.8
5	OFF	ON	OFF	ON	4070	26.3
4	OFF	ON	OFF	OFF	3720	24.0
3	OFF	OFF	ON	ON	3370	21.3
2	OFF	OFF	ON	OFF	3040	19.0
1	OFF	OFF	OFF	ON	2620	16.6
0	OFF	OFF	OFF	OFF	2190	14.3