
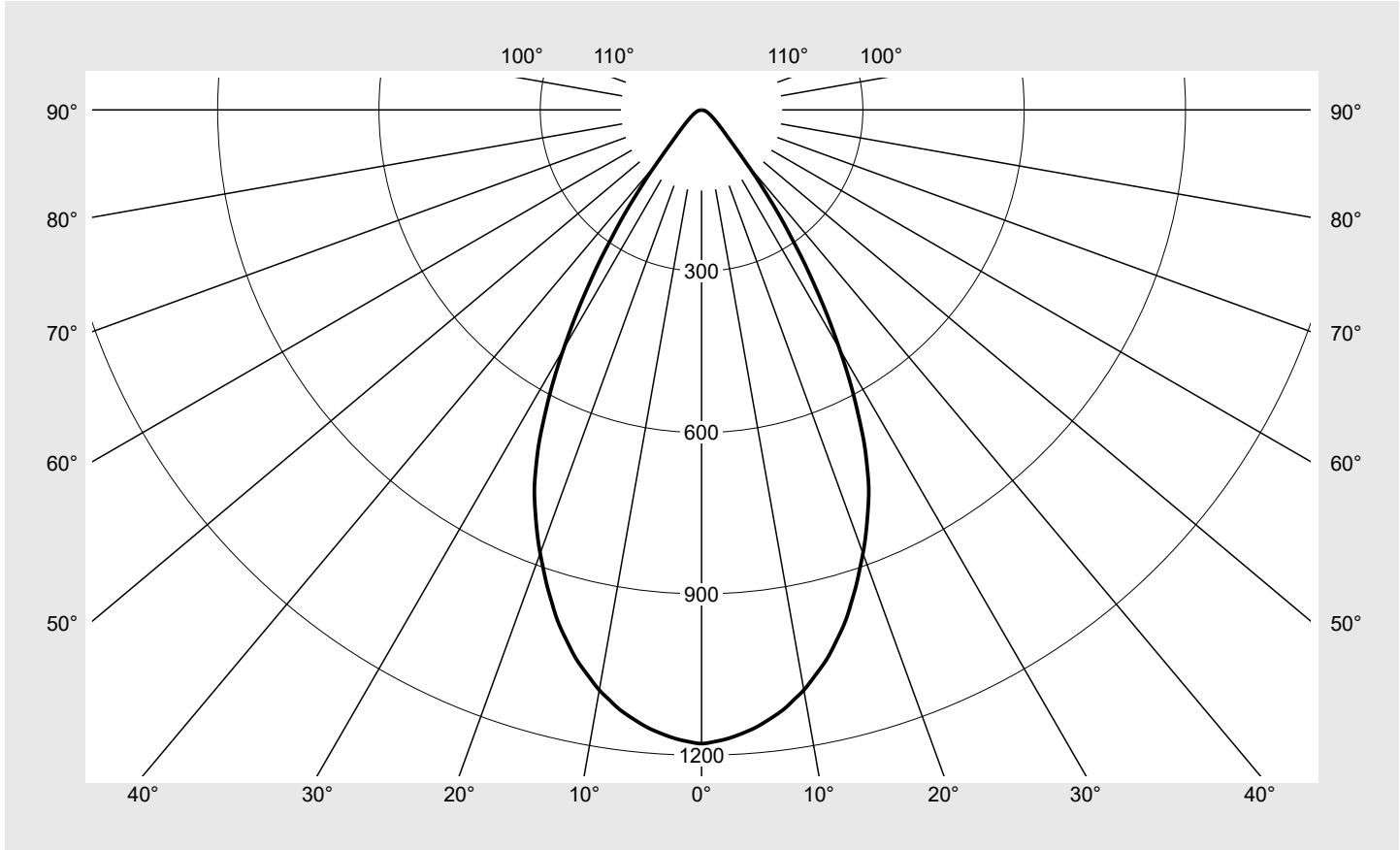


Photometric test report

Family Spot 11	Order number: 51SD15MAD5A EAN: 4058352716427	LP number 59369_3										
	<table border="0"> <tr> <td>Version</td> <td>reflector, cover panel, PC, clear, extremely wide distribution</td> </tr> <tr> <td>Lamps</td> <td>LED 4000 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 = 5870 lm Power consumption = 38.5 W Luminous efficacy = 152.5 lm/W </td> </tr> </table>	Version	reflector, cover panel, PC, clear, extremely wide distribution	Lamps	LED 4000 K CRI ≥ 90	Controlgear	ECG Multilumen	Setting	factory setting: DIP-Step=10	Rated values	Net luminous flux = 5870 lm Power consumption = 38.5 W Luminous efficacy = 152.5 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

Photometric test report

Family Spot 11	Order number: 51SD15MAD5A EAN: 4058352716427	LP number 59369_3
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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	25.0	26.2	25.4	26.5	26.8	25.0	26.2	25.4	26.5	26.8
	3H	25.2	26.2	25.5	26.5	26.9	25.2	26.2	25.5	26.5	26.9
	4H	25.2	26.2	25.6	26.5	26.9	25.2	26.2	25.6	26.5	26.9
	6H	25.3	26.1	25.7	26.5	26.9	25.3	26.1	25.7	26.5	26.9
	8H	25.4	26.1	25.9	26.5	26.9	25.4	26.1	25.9	26.5	26.9
	12H	25.4	26.1	25.9	26.5	26.9	25.4	26.1	25.9	26.5	26.9
4H	2H	25.0	25.9	25.4	26.3	26.7	25.0	25.9	25.4	26.3	26.7
	3H	25.2	26.0	25.6	26.4	26.8	25.2	26.0	25.6	26.4	26.8
	4H	25.3	26.0	25.7	26.4	26.9	25.3	26.0	25.7	26.4	26.9
	6H	25.4	26.0	25.9	26.5	26.9	25.4	26.0	25.9	26.5	26.9
	8H	25.5	26.0	25.9	26.4	26.9	25.5	26.0	25.9	26.4	26.9
	12H	25.5	25.9	26.0	26.4	26.9	25.5	25.9	26.0	26.4	26.9
8H	4H	25.3	25.8	25.8	26.3	26.8	25.3	25.8	25.8	26.3	26.8
	6H	25.5	25.9	26.0	26.4	26.9	25.5	25.9	26.0	26.4	26.9
	8H	25.5	25.9	26.0	26.4	26.9	25.5	25.9	26.0	26.4	26.9
	12H	25.6	25.9	26.1	26.4	26.9	25.6	25.9	26.1	26.4	26.9
12H	4H	25.3	25.7	25.8	26.2	26.7	25.3	25.7	25.8	26.2	26.7
	6H	25.5	25.8	26.0	26.3	26.8	25.5	25.8	26.0	26.3	26.8
	8H	25.6	25.8	26.1	26.4	26.9	25.6	25.8	26.1	26.4	26.9

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°	105898.7
50°	73002.1
55°	55378.6
60°	45339.3
65°	38942.8
70°	34425.8
75°	31486.6
80°	29999.4
85°	19566.3

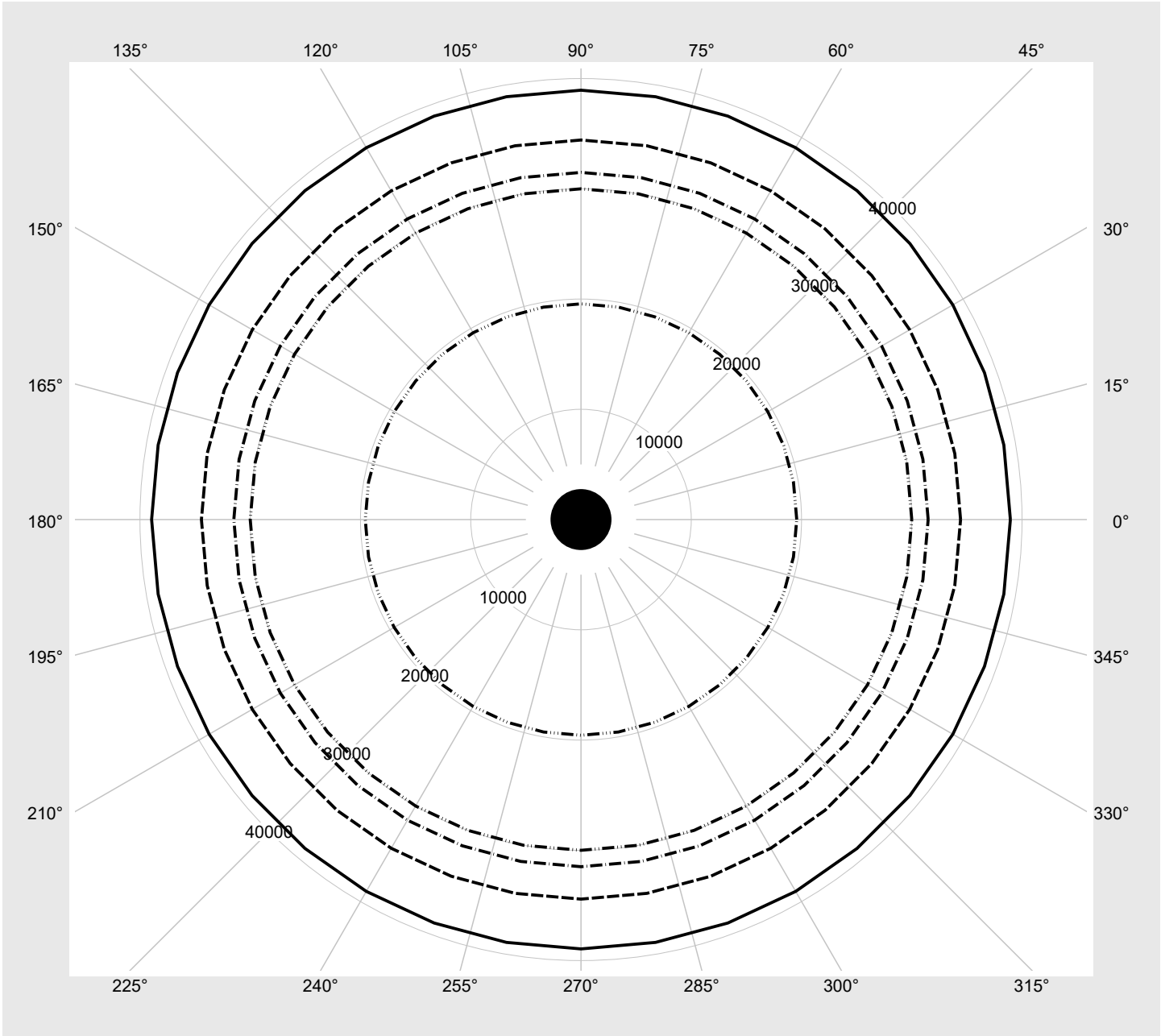
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Luminance values in cd/m²

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	7520	50.9
14	ON	ON	ON	OFF	7240	48.9
13	ON	ON	OFF	ON	6900	46.3
12	ON	ON	OFF	OFF	6550	42.9
11	ON	OFF	ON	ON	6210	41.2
10	ON	OFF	ON	OFF	5870	38.5
9	ON	OFF	OFF	ON	5540	35.5
8	ON	OFF	OFF	OFF	5220	33.5
7	OFF	ON	ON	ON	4880	31.1
6	OFF	ON	ON	OFF	4540	28.8
5	OFF	ON	OFF	ON	4200	26.3
4	OFF	ON	OFF	OFF	3840	24.1
3	OFF	OFF	ON	ON	3480	21.3
2	OFF	OFF	ON	OFF	3140	19.0
1	OFF	OFF	OFF	ON	2700	16.6
0	OFF	OFF	OFF	OFF	2270	14.2