

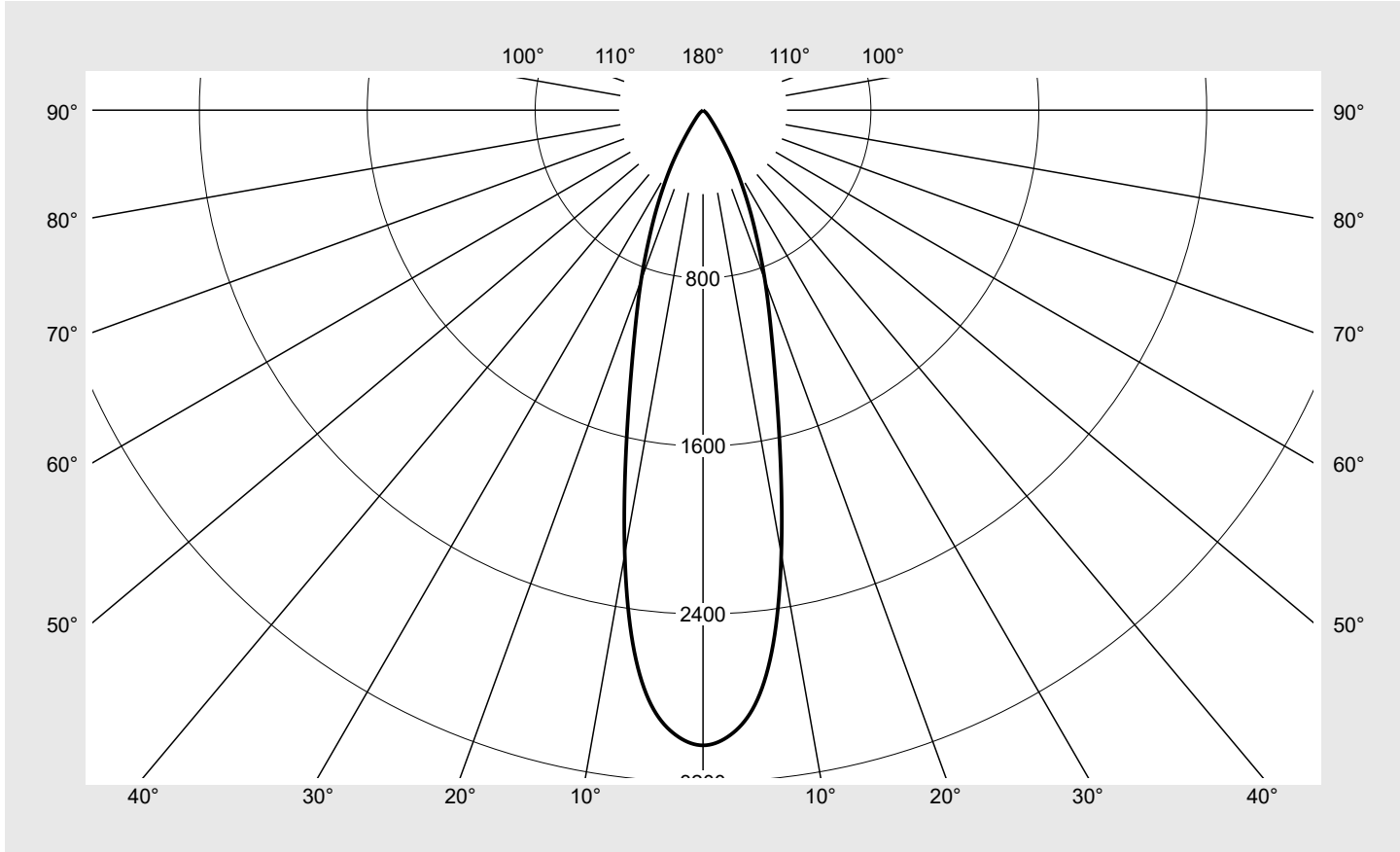


Photometric test report

Family Spot 21 Standard	Order number: 51SE62DA2EB2C EAN: 4069025447753	LP number 59941_14										
	<table border="0"> <tr> <td>Version</td> <td>housing, white aluminium, reflector, lens PMMA, medium distribution</td> </tr> <tr> <td>Lamps</td> <td>LED 3000 K CRI ≥ 90</td> </tr> <tr> <td>Controlgear</td> <td>ECG-DALI-Multilumen</td> </tr> <tr> <td>Setting</td> <td>factory setting: DIP-Step=5</td> </tr> <tr> <td>Rated values</td> <td>Net luminous flux = 2130 lm Power consumption = 15.6 W Luminous efficacy = 136.5 lm/W</td> </tr> </table>	Version	housing, white aluminium, reflector, lens PMMA, medium distribution	Lamps	LED 3000 K CRI ≥ 90	Controlgear	ECG-DALI-Multilumen	Setting	factory setting: DIP-Step=5	Rated values	Net luminous flux = 2130 lm Power consumption = 15.6 W Luminous efficacy = 136.5 lm/W	serial documentation 11.05.2026 
Version	housing, white aluminium, reflector, lens PMMA, medium distribution											
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Luminous intensity in cd/klm C180-0 **Imax: 3026 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=96 N2=99 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	
0,0°	3025.7	4.5	4.5
2,5°	2979.2	35.6	40.1
5,0°	2842.5	67.9	108.1
7,5°	2563.3	91.7	199.8
10,0°	2148.0	102.2	302.0
12,5°	1703.6	101.1	403.1
15,0°	1334.8	94.7	497.8
17,5°	1067.8	88.0	585.8
20,0°	862.9	80.9	666.7
22,5°	681.8	71.5	738.3
25,0°	533.0	61.7	800.0
27,5°	402.1	50.9	850.9
30,0°	293.4	40.2	891.1
32,5°	193.5	28.5	919.6
35,0°	123.6	19.4	939.1
37,5°	81.8	13.6	952.7
40,0°	57.0	10.1	962.8
42,5°	42.5	7.9	970.6
45,0°	31.1	6.0	976.7
47,5°	23.0	4.6	981.3
50,0°	16.9	3.5	984.9
52,5°	12.1	2.6	987.5
55,0°	10.0	2.3	989.7
57,5°	8.6	2.0	991.7
60,0°	7.2	1.7	993.4
62,5°	5.9	1.4	994.9
65,0°	4.7	1.2	996.1
67,5°	3.6	0.9	997.0
70,0°	2.8	0.7	997.7
72,5°	2.4	0.6	998.3
75,0°	2.0	0.5	998.9
77,5°	1.5	0.4	999.3
80,0°	1.2	0.3	999.6
82,5°	0.8	0.2	999.8
85,0°	0.5	0.1	999.9
87,5°	0.2	0.1	1000.0
90,0°	0.0	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	17.9	18.9	18.2	19.2	19.5	17.9	18.9	18.2	19.2	19.5
	3H	17.8	18.7	18.2	19.0	19.4	17.8	18.7	18.2	19.0	19.4
	4H	17.8	18.6	18.2	19.0	19.3	17.8	18.6	18.2	19.0	19.3
	6H	17.8	18.5	18.2	18.9	19.3	17.8	18.5	18.2	18.9	19.3
	8H	17.9	18.4	18.3	18.8	19.2	17.9	18.4	18.3	18.8	19.2
	12H	17.9	18.4	18.3	18.7	19.2	17.9	18.4	18.3	18.7	19.2
4H	2H	17.7	18.5	18.1	18.9	19.3	17.7	18.5	18.1	18.9	19.3
	3H	17.7	18.4	18.1	18.8	19.2	17.7	18.4	18.1	18.8	19.2
	4H	17.7	18.3	18.1	18.7	19.1	17.7	18.3	18.1	18.7	19.1
	6H	17.7	18.2	18.2	18.6	19.1	17.7	18.2	18.2	18.6	19.1
	8H	17.7	18.1	18.1	18.5	19.0	17.7	18.1	18.1	18.5	19.0
	12H	17.7	18.0	18.2	18.5	19.0	17.7	18.0	18.2	18.5	19.0
8H	4H	17.6	18.0	18.1	18.5	19.0	17.6	18.0	18.1	18.5	19.0
	6H	17.6	17.9	18.1	18.4	18.9	17.6	17.9	18.1	18.4	18.9
	8H	17.6	17.9	18.1	18.4	18.9	17.6	17.9	18.1	18.4	18.9
	12H	17.6	17.8	18.1	18.3	18.9	17.6	17.8	18.1	18.3	18.9
12H	4H	17.6	17.9	18.1	18.4	18.9	17.6	17.9	18.1	18.4	18.9
	6H	17.6	17.8	18.1	18.3	18.9	17.6	17.8	18.1	18.3	18.9
	8H	17.6	17.8	18.1	18.3	18.8	17.6	17.8	18.1	18.3	18.8

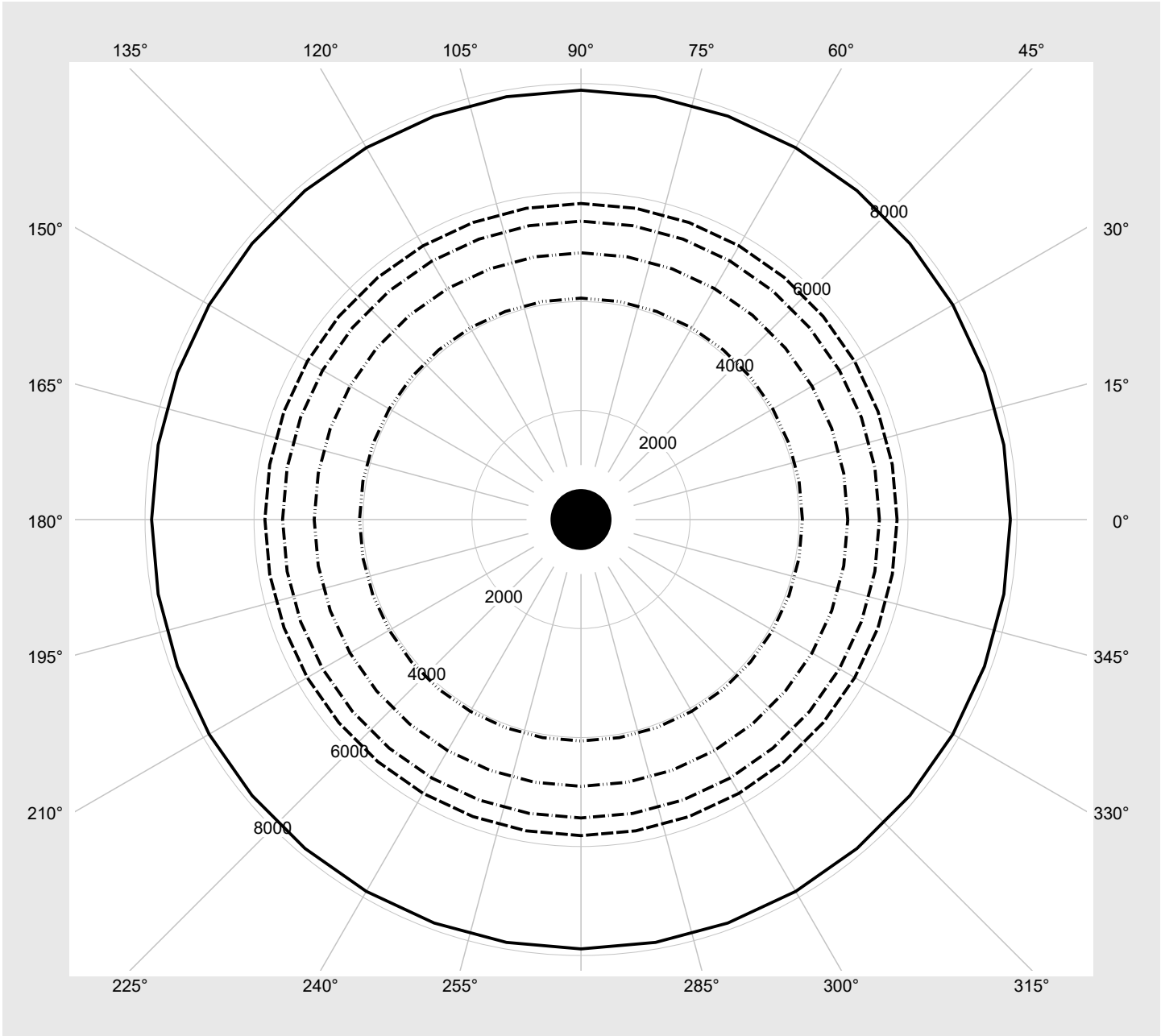
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 62
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C-planes	0°
γ	Luminance in cd/m ²
45,0°	31062.9
50,0°	18518.5
55,0°	12353.2
60,0°	10203.2
65,0°	7879.5
70,0°	5800.6
75,0°	5476.3
80,0°	4895.8
85,0°	4063.6

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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		
11	ON	OFF	ON	ON	3520	28.0
10	ON	OFF	ON	OFF	3300	25.8
9	ON	OFF	OFF	ON	3080	23.7
8	ON	OFF	OFF	OFF	2850	21.6
7	OFF	ON	ON	ON	2620	19.8
6	OFF	ON	ON	OFF	2380	17.7
5	OFF	ON	OFF	ON	2130	15.6
4	OFF	ON	OFF	OFF	1880	13.8
3	OFF	OFF	ON	ON	1630	11.7
2	OFF	OFF	ON	OFF	1370	9.9
1	OFF	OFF	OFF	ON	1100	8.0
0	OFF	OFF	OFF	OFF	820	6.2