

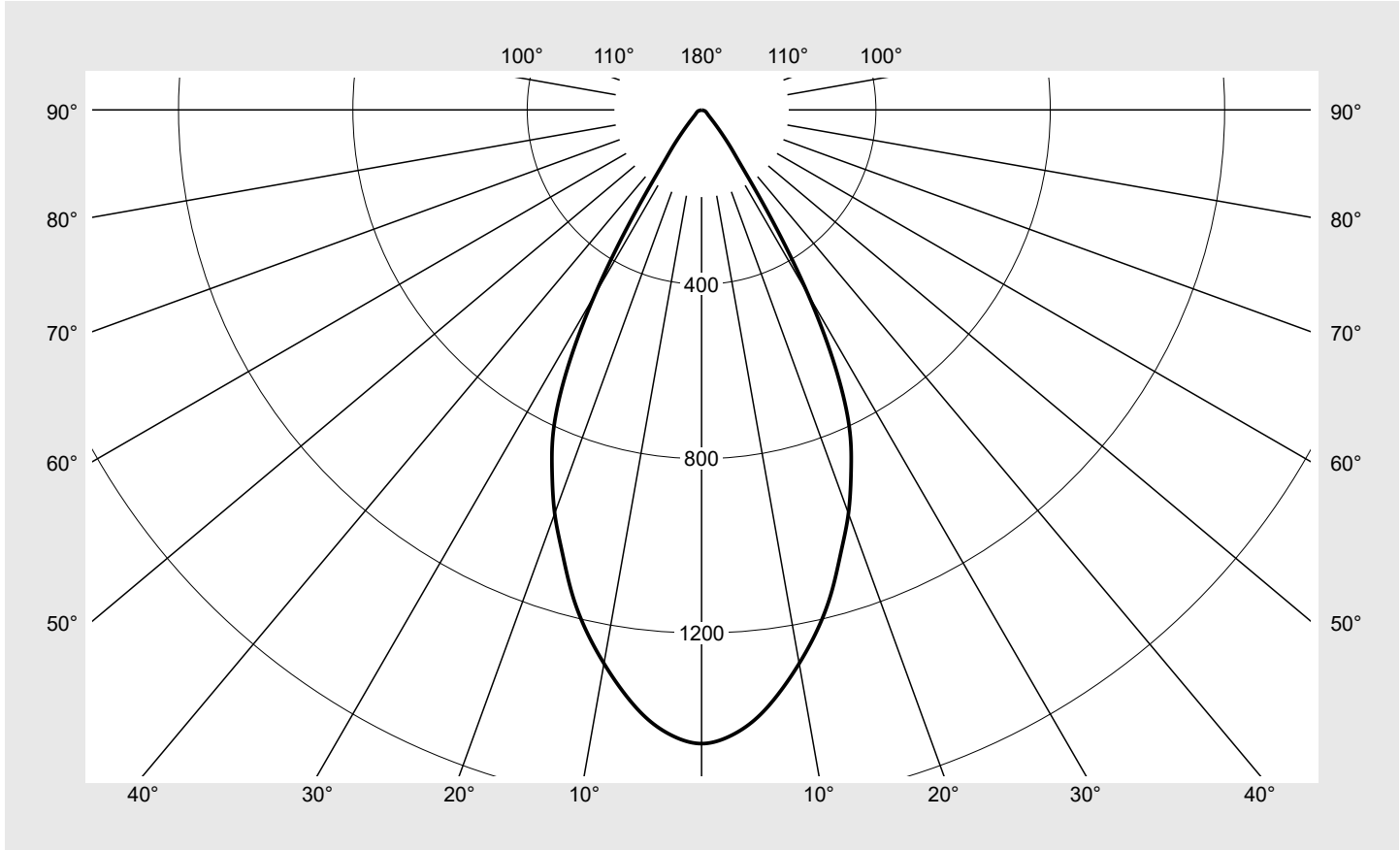


# Photometric test report

<b>Family</b> <b>Spot 21 Standard</b>	<b>Order number: 51SE14DB11D2C</b> <b>EAN: 4069025447128</b>	<b>LP number</b> <b>59931_34</b>
	<b>Version</b> housing, white, reflector, cover glass, transparent, wide distribution	<b>serial documentation</b> <b>11.05.2026</b>
	<b>Lamps</b> LED 4000 K   CRI ≥ 90	
<b>Controlgear</b> ECG-DALI-Multilumen		
<b>Setting</b> factory setting: DIP-Step=7		
<b>Rated values</b> Net luminous flux = 2950 lm Power consumption = 19.8 W Luminous efficacy = 149 lm/W		

**Luminous intensity in cd/klm** C180-0 **Imax: 1454 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=94 N2=98 N3=100 N4=100 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	100.0%
$\phi_o$	0.0%

**Measurement conditions**  
 DIN EN 13032 and DIN 5032

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<b>Table of values for luminous intensities</b>	<b>Maximum luminous intensity</b>	<b>sITeco</b>
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C-planes $\gamma$	0°	Phi-zone	Total Phi-zone
	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0,0°	1453.7	2.2	2.2
2,5°	1438.9	17.2	19.4
5,0°	1404.1	33.5	52.9
7,5°	1351.1	48.3	101.3
10,0°	1289.5	61.4	162.7
12,5°	1223.4	72.6	235.2
15,0°	1148.5	81.5	316.7
17,5°	1063.6	87.7	404.4
20,0°	985.2	92.4	496.8
22,5°	896.4	94.0	590.8
25,0°	801.5	92.9	683.7
27,5°	663.4	84.0	767.6
30,0°	489.2	67.1	834.7
32,5°	307.3	45.3	880.0
35,0°	173.2	27.2	907.2
37,5°	114.5	19.1	926.3
40,0°	77.4	13.6	940.0
42,5°	52.8	9.8	949.7
45,0°	37.7	7.3	957.0
47,5°	28.4	5.7	962.8
50,0°	22.7	4.8	967.6
52,5°	19.1	4.2	971.7
55,0°	16.7	3.8	975.5
57,5°	15.0	3.5	978.9
60,0°	13.6	3.2	982.2
62,5°	12.4	3.0	985.2
65,0°	11.2	2.8	988.0
67,5°	10.1	2.6	990.6
70,0°	9.0	2.3	992.9
72,5°	7.7	2.0	994.9
75,0°	6.2	1.6	996.5
77,5°	4.7	1.3	997.8
80,0°	3.6	1.0	998.8
82,5°	2.5	0.7	999.5
85,0°	1.5	0.4	999.9
87,5°	0.5	0.1	1000.0
90,0°	0.0	0.0	1000.0

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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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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	19.8	20.9	20.1	21.2	21.5	19.8	20.9	20.1	21.2	21.5
	3H	20.1	21.1	20.5	21.4	21.8	20.1	21.1	20.5	21.4	21.8
	4H	20.2	21.2	20.6	21.5	21.9	20.2	21.2	20.6	21.5	21.9
	6H	20.3	21.2	20.8	21.5	21.9	20.3	21.2	20.8	21.5	21.9
	8H	20.5	21.2	21.0	21.6	22.0	20.5	21.2	21.0	21.6	22.0
	12H	20.5	21.1	21.0	21.5	21.9	20.5	21.1	21.0	21.5	21.9
4H	2H	19.8	20.7	20.2	21.0	21.4	19.8	20.7	20.2	21.0	21.4
	3H	20.2	21.0	20.6	21.3	21.8	20.2	21.0	20.6	21.3	21.8
	4H	20.4	21.1	20.9	21.5	22.0	20.4	21.1	20.9	21.5	22.0
	6H	20.6	21.2	21.1	21.6	22.1	20.6	21.2	21.1	21.6	22.1
	8H	20.7	21.2	21.2	21.7	22.1	20.7	21.2	21.2	21.7	22.1
	12H	20.8	21.2	21.3	21.6	22.1	20.8	21.2	21.3	21.6	22.1
8H	4H	20.5	21.0	21.0	21.4	21.9	20.5	21.0	21.0	21.4	21.9
	6H	20.8	21.2	21.3	21.6	22.2	20.8	21.2	21.3	21.6	22.2
	8H	20.8	21.2	21.4	21.7	22.2	20.8	21.2	21.4	21.7	22.2
	12H	20.9	21.2	21.5	21.7	22.3	20.9	21.2	21.5	21.7	22.3
12H	4H	20.5	20.9	21.0	21.4	21.9	20.5	20.9	21.0	21.4	21.9
	6H	20.8	21.1	21.3	21.6	22.1	20.8	21.1	21.3	21.6	22.1
	8H	20.9	21.2	21.4	21.7	22.2	20.9	21.2	21.4	21.7	22.2

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm: D = 82</b>
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<b>C-planes</b>	<b>0°</b>
$\gamma$	<b>Luminance in cd/m<sup>2</sup></b>
45,0°	29760.4
50,0°	19764.4
55,0°	16295.2
60,0°	15223.1
65,0°	14831.6
70,0°	14727.0
75,0°	13407.2
80,0°	11603.3
85,0°	9633.1

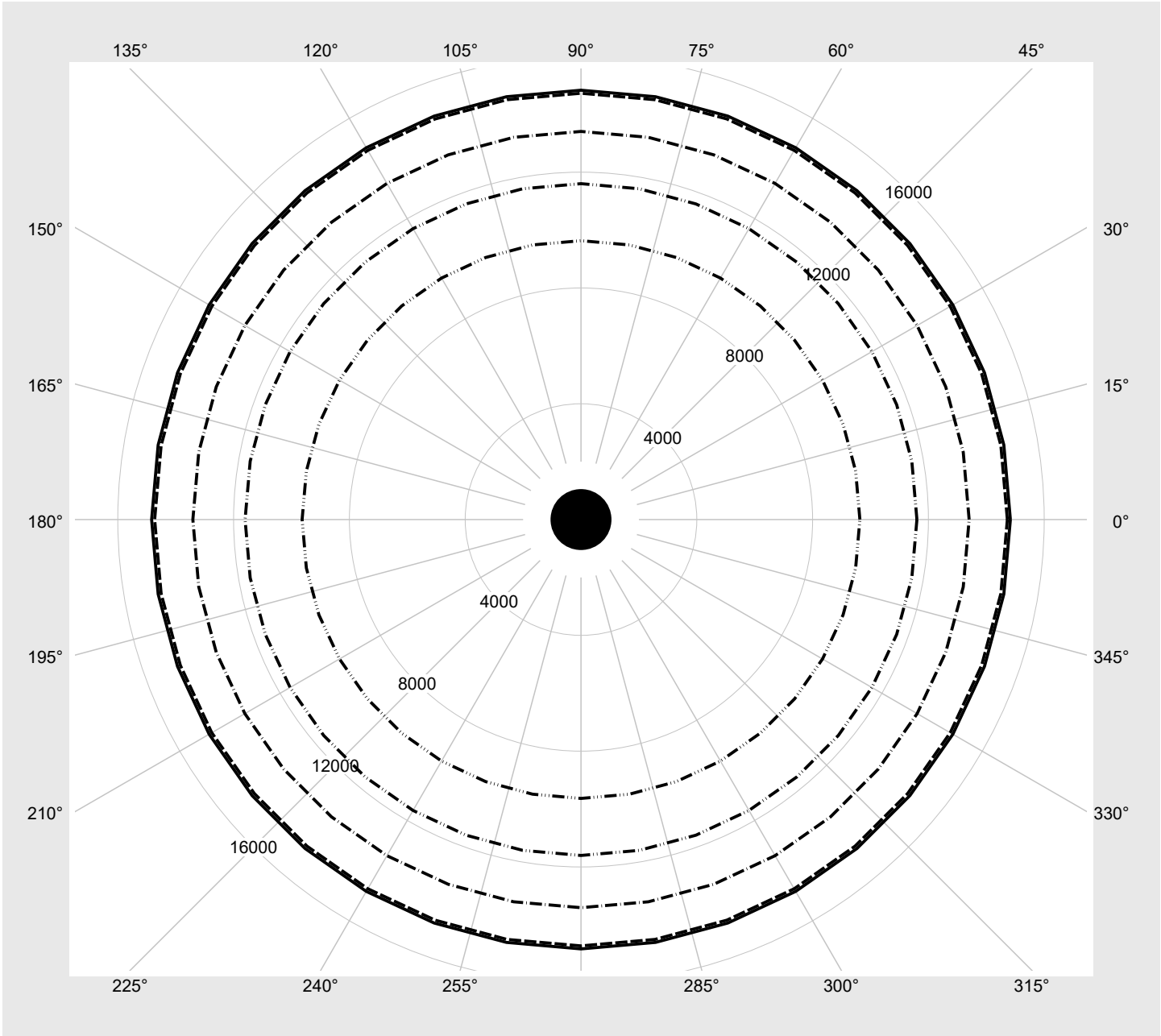
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**Luminance values in cd/m<sup>2</sup>**

$\gamma$  65°   
   $\gamma$  70°   
   $\gamma$  75°   
   $\gamma$  80°   
   $\gamma$  85°

**siteco**



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<b>Multilumen Table</b>	environmental temperature: 25°C	<b>sITeco</b>
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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
11	ON	OFF	ON	ON	3980	28.1
10	ON	OFF	ON	OFF	3730	25.9
9	ON	OFF	OFF	ON	3480	23.8
8	ON	OFF	OFF	OFF	3220	21.7
7	OFF	ON	ON	ON	2950	19.8
6	OFF	ON	ON	OFF	2680	17.7
5	OFF	ON	OFF	ON	2410	15.7
4	OFF	ON	OFF	OFF	2120	13.8
3	OFF	OFF	ON	ON	1830	11.7
2	OFF	OFF	ON	OFF	1540	9.9
1	OFF	OFF	OFF	ON	1230	8.1
0	OFF	OFF	OFF	OFF	920	6.2