

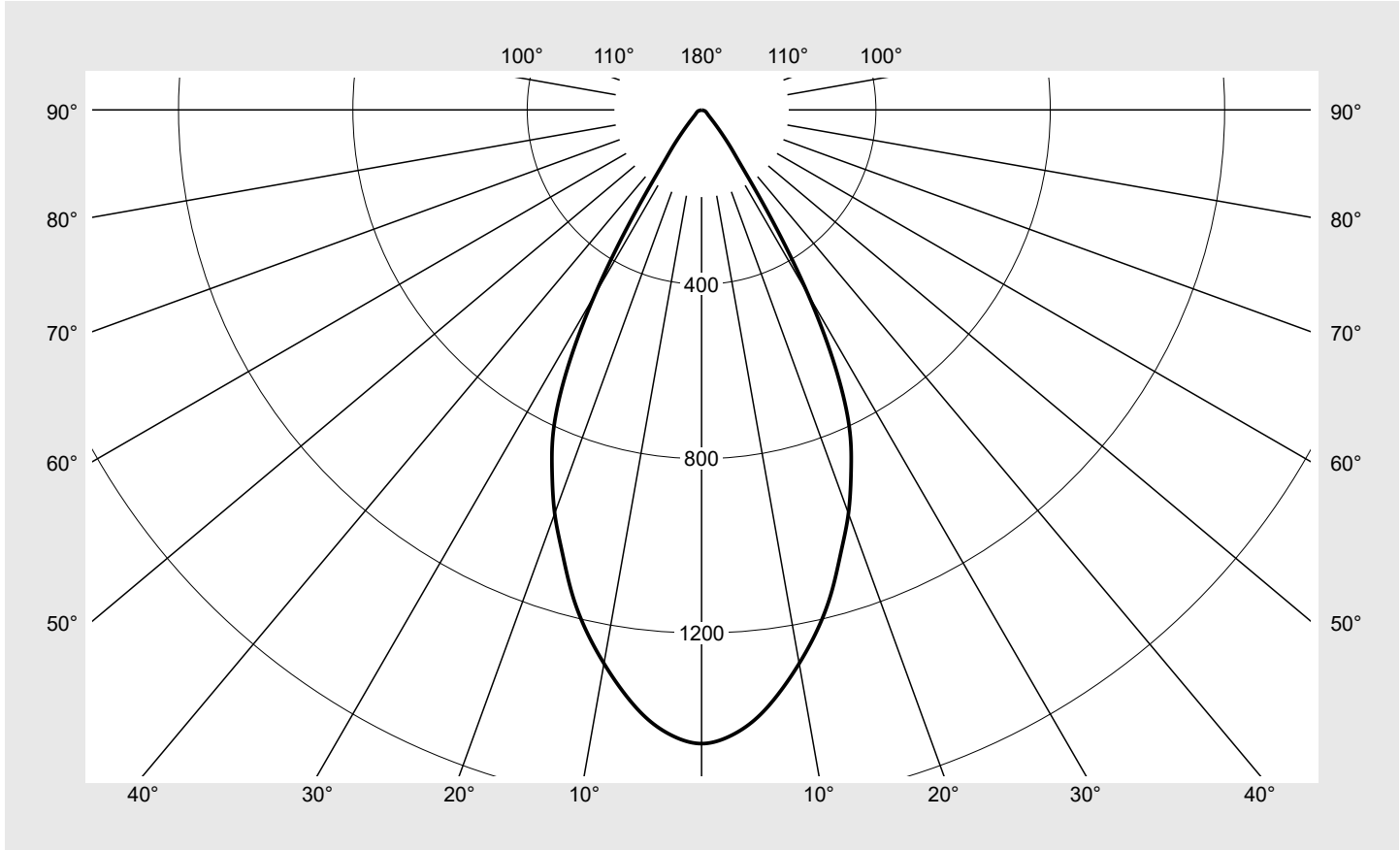


# Photometric test report

<b>Family</b> <b>Spot 21 Standard</b>	<b>Order number: 51SE14DB11B2C</b> <b>EAN: 4069025447104</b>	<b>LP number</b> <b>59931_32</b>										
	<table border="0"> <tr> <td><b>Version</b></td> <td>housing, white, reflector, cover glass, transparent, wide distribution</td> </tr> <tr> <td><b>Lamps</b></td> <td>LED 3000 K   CRI ≥ 90</td> </tr> <tr> <td><b>Controlgear</b></td> <td>ECG-DALI-Multilumen</td> </tr> <tr> <td><b>Setting</b></td> <td>factory setting: DIP-Step=7</td> </tr> <tr> <td><b>Rated values</b></td> <td>                     Net luminous flux = 2850 lm                      Power consumption = 19.8 W                      Luminous efficacy = 143.9 lm/W                 </td> </tr> </table>	<b>Version</b>	housing, white, reflector, cover glass, transparent, wide distribution	<b>Lamps</b>	LED 3000 K   CRI ≥ 90	<b>Controlgear</b>	ECG-DALI-Multilumen	<b>Setting</b>	factory setting: DIP-Step=7	<b>Rated values</b>	Net luminous flux = 2850 lm Power consumption = 19.8 W Luminous efficacy = 143.9 lm/W	<b>serial documentation</b> <b>11.05.2026</b>  
<b>Version</b>	housing, white, reflector, cover glass, transparent, wide distribution											
<b>Lamps</b>	LED 3000 K   CRI ≥ 90											
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**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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**sITeco**

<b>Table of values for luminous intensities</b>	<b>Maximum luminous intensity</b>
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C-planes	0°	Phi-zone	Total Phi-zone
$\gamma$	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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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	19.7	20.8	20.0	21.1	21.4	19.7	20.8	20.0	21.1	21.4
	3H	20.0	21.0	20.4	21.3	21.6	20.0	21.0	20.4	21.3	21.6
	4H	20.1	21.0	20.5	21.4	21.8	20.1	21.0	20.5	21.4	21.8
	6H	20.2	21.0	20.6	21.4	21.8	20.2	21.0	20.6	21.4	21.8
	8H	20.4	21.0	20.8	21.4	21.8	20.4	21.0	20.8	21.4	21.8
	12H	20.4	21.0	20.9	21.4	21.8	20.4	21.0	20.9	21.4	21.8
4H	2H	19.6	20.5	20.0	20.9	21.3	19.6	20.5	20.0	20.9	21.3
	3H	20.1	20.8	20.5	21.2	21.6	20.1	20.8	20.5	21.2	21.6
	4H	20.3	21.0	20.8	21.4	21.9	20.3	21.0	20.8	21.4	21.9
	6H	20.5	21.1	21.0	21.5	22.0	20.5	21.1	21.0	21.5	22.0
	8H	20.6	21.1	21.1	21.5	22.0	20.6	21.1	21.1	21.5	22.0
	12H	20.7	21.1	21.2	21.5	22.0	20.7	21.1	21.2	21.5	22.0
8H	4H	20.4	20.9	20.9	21.3	21.8	20.4	20.9	20.9	21.3	21.8
	6H	20.6	21.0	21.2	21.5	22.0	20.6	21.0	21.2	21.5	22.0
	8H	20.7	21.1	21.2	21.6	22.1	20.7	21.1	21.2	21.6	22.1
	12H	20.8	21.1	21.3	21.6	22.1	20.8	21.1	21.3	21.6	22.1
12H	4H	20.4	20.8	20.9	21.3	21.8	20.4	20.8	20.9	21.3	21.8
	6H	20.7	21.0	21.2	21.5	22.0	20.7	21.0	21.2	21.5	22.0
	8H	20.8	21.0	21.3	21.5	22.1	20.8	21.0	21.3	21.5	22.1

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 82
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C-planes	0°
$\gamma$	Luminance in cd/m <sup>2</sup>
45,0°	28751.5
50,0°	19094.5
55,0°	15742.9
60,0°	14707.1
65,0°	14328.8
70,0°	14227.8
75,0°	12952.8
80,0°	11209.9
85,0°	9306.6

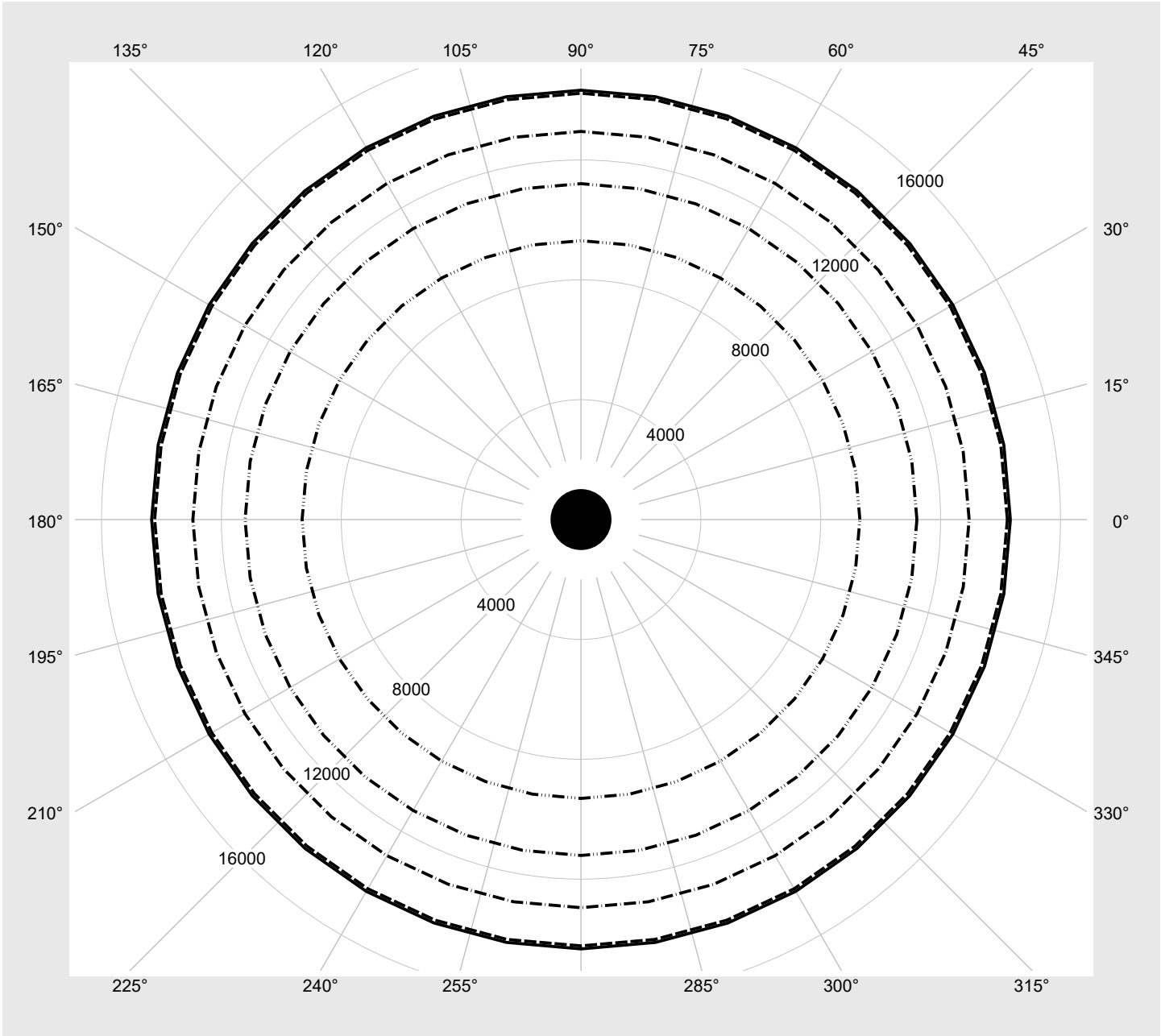
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**Luminance values in cd/m<sup>2</sup>**


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

**siteco**



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<b>Multilumen Table</b>	environmental temperature: 25°C	
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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
11	ON	OFF	ON	ON	3840	28.1
10	ON	OFF	ON	OFF	3600	25.9
9	ON	OFF	OFF	ON	3360	23.8
8	ON	OFF	OFF	OFF	3110	21.7
7	OFF	ON	ON	ON	2850	19.8
6	OFF	ON	ON	OFF	2590	17.7
5	OFF	ON	OFF	ON	2320	15.7
4	OFF	ON	OFF	OFF	2050	13.8
3	OFF	OFF	ON	ON	1770	11.7
2	OFF	OFF	ON	OFF	1480	9.9
1	OFF	OFF	OFF	ON	1190	8.1
0	OFF	OFF	OFF	OFF	890	6.2