

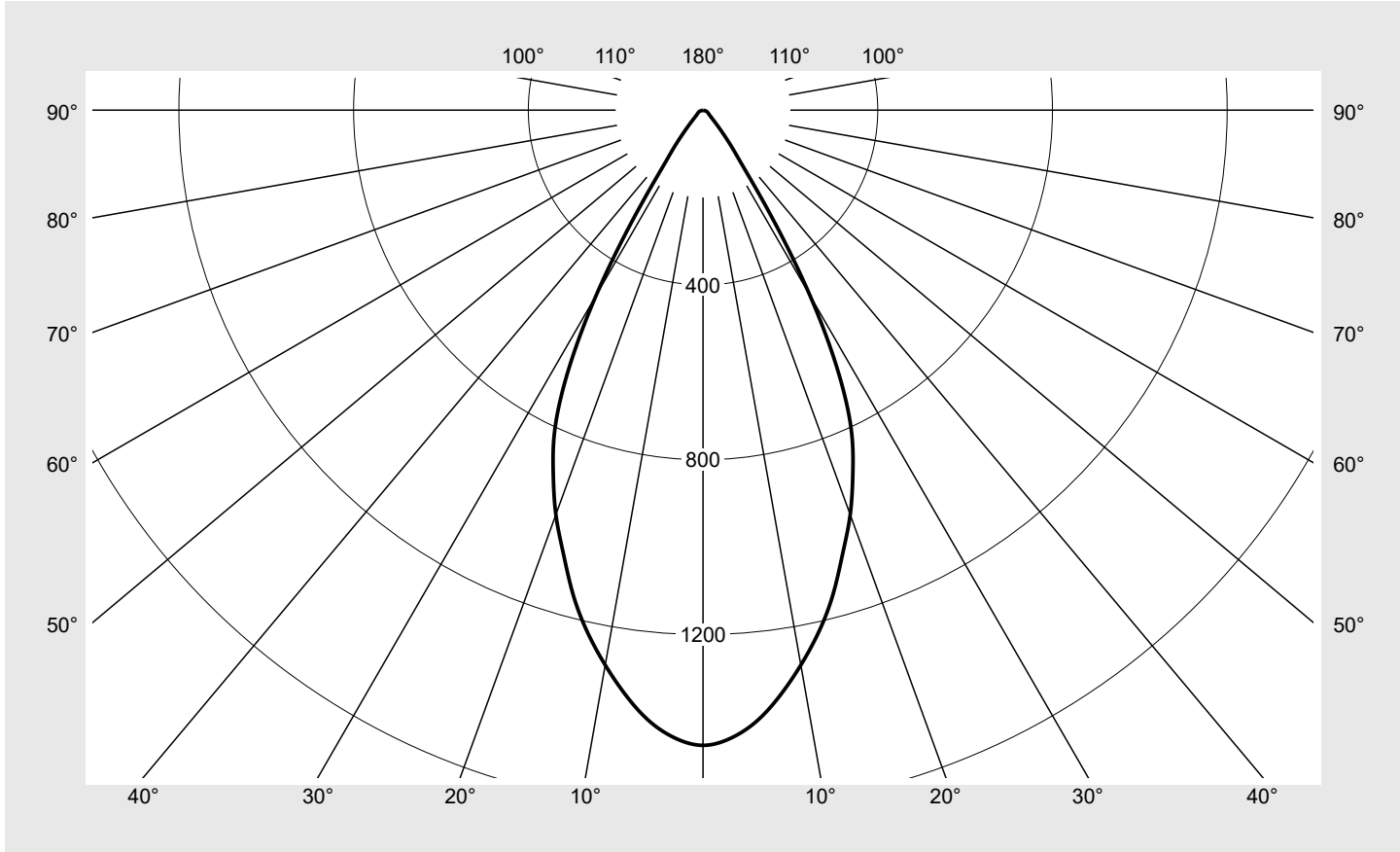


# Photometric test report

<b>Family</b> <b>Spot 21 Standard</b>	<b>Order number: 51SE14MB11D2C</b> <b>EAN: 4069025447166</b>	<b>LP number</b> <b>59931_30</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 4000 K   CRI ≥ 90</td> </tr> <tr> <td><b>Controlgear</b></td> <td>ECG Multilumen</td> </tr> <tr> <td><b>Setting</b></td> <td>factory setting: DIP-Step=4</td> </tr> <tr> <td><b>Rated values</b></td> <td>                     Net luminous flux = 2950 lm                      Power consumption = 18.5 W                      Luminous efficacy = 159.5 lm/W                 </td> </tr> </table>	<b>Version</b>	housing, white, reflector, cover glass, transparent, wide distribution	<b>Lamps</b>	LED 4000 K   CRI ≥ 90	<b>Controlgear</b>	ECG Multilumen	<b>Setting</b>	factory setting: DIP-Step=4	<b>Rated values</b>	Net luminous flux = 2950 lm Power consumption = 18.5 W Luminous efficacy = 159.5 lm/W	<b>serial documentation</b> <b>11.05.2026</b>  
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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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<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

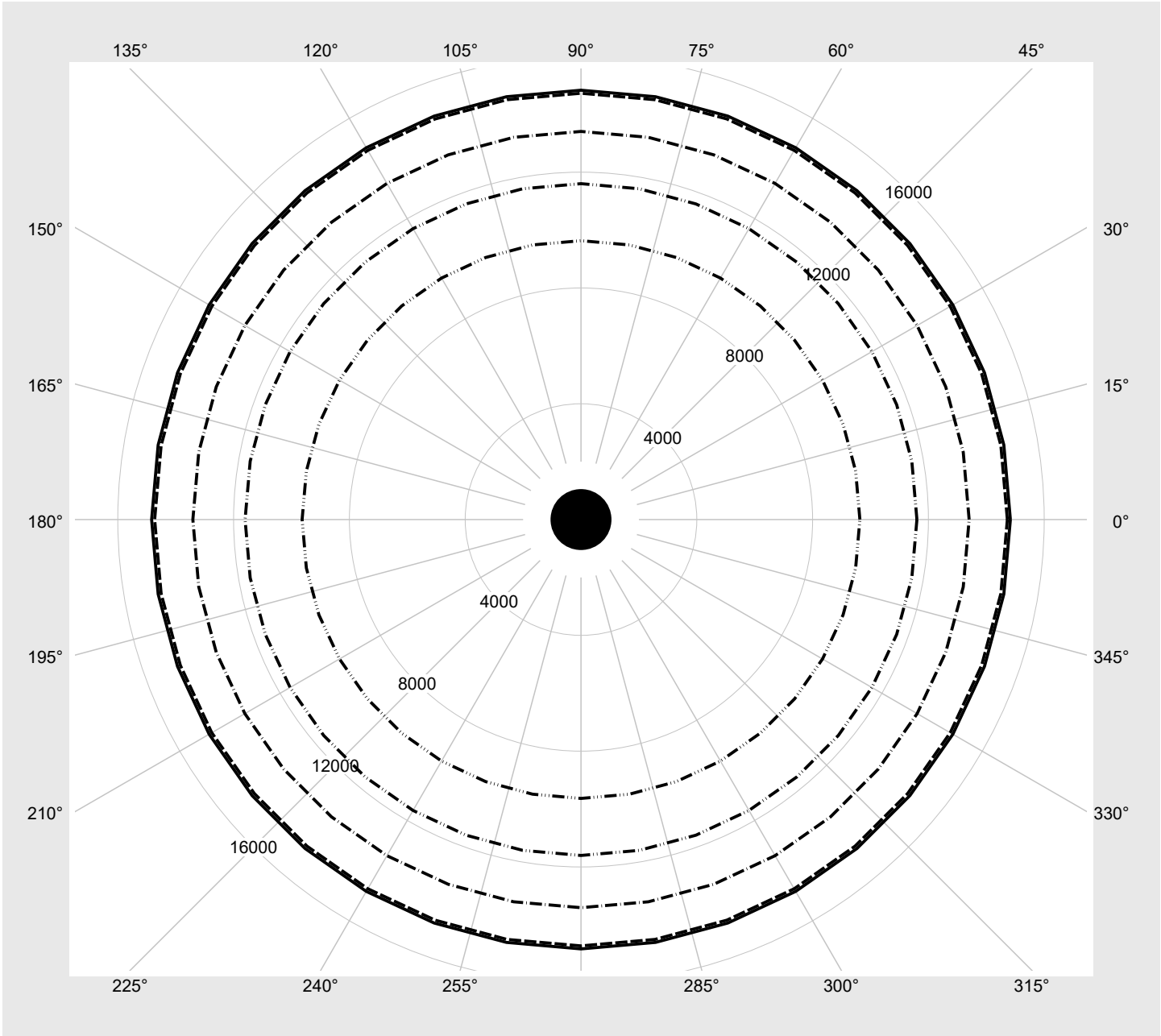
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm: D = 82</b>
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<b>C-planes</b>	<b>0°</b>
$\gamma$	<b>Luminance in cd/m<sup>2</sup></b>
45,0°	29760.4
50,0°	19764.4
55,0°	16295.2
60,0°	15223.1
65,0°	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>**     γ 65°   γ 70°   γ 75°   γ 80°   γ 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		
0	OFF	OFF	OFF	3980	26.5
1	ON	OFF	OFF	3730	24.5
2	OFF	ON	OFF	3480	22.5
3	ON	ON	OFF	3220	20.5
4	OFF	OFF	ON	2950	18.5
5	ON	OFF	ON	2680	16.6
6	OFF	ON	ON	2410	14.8
7	ON	ON	ON	2120	12.9