

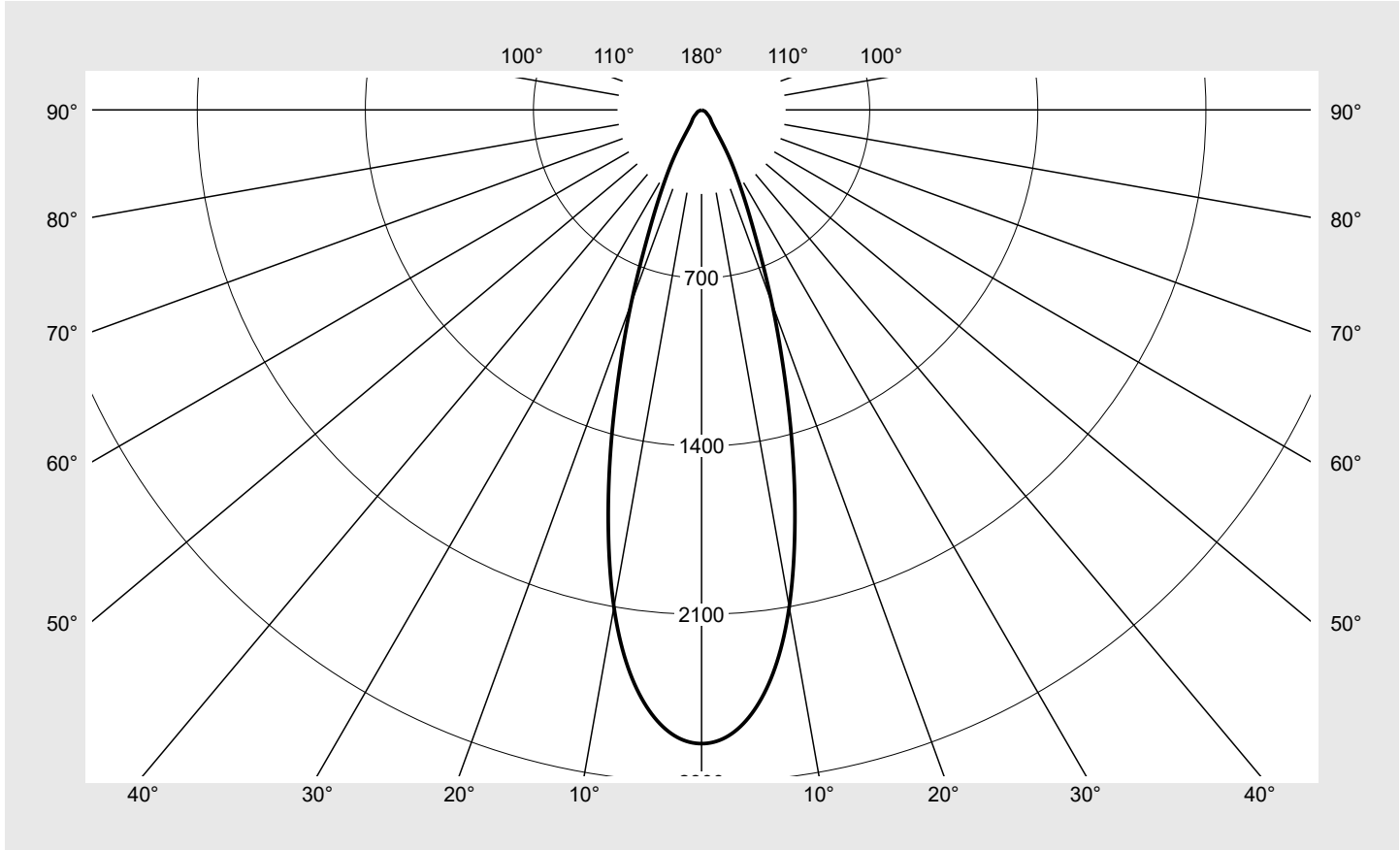


# Photometric test report

<b>Family</b> <b>Spot 21 Standard</b>	<b>Order number: 51SE33MA2DB2C</b> <b>EAN: 4069025447500</b>	<b>LP number</b> <b>59940_10</b>
	<b>Version</b> housing, black, reflector, lens PMMA, wide distribution	<b>serial documentation</b> <b>11.05.2026</b>
	<b>Lamps</b> LED 3000 K   CRI ≥ 90	
<b>Controlgear</b> ECG Multilumen		
<b>Setting</b> factory setting: DIP-Step=6		
<b>Rated values</b> Net luminous flux = 2090 lm Power consumption = 14.8 W Luminous efficacy = 141.2 lm/W		

**Luminous intensity in cd/klm** C180-0 **Imax: 2638 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=92 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	0°	Phi-zone	Total Phi-zone
$\gamma$	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0,0°	2638.3	3.9	3.9
2,5°	2607.2	31.2	35.1
5,0°	2509.4	60.0	95.1
7,5°	2342.7	83.8	178.9
10,0°	2101.4	100.0	278.9
12,5°	1793.5	106.4	385.4
15,0°	1462.2	103.7	489.1
17,5°	1137.7	93.8	582.9
20,0°	857.0	80.4	663.2
22,5°	616.7	64.7	727.9
25,0°	449.1	52.0	780.0
27,5°	328.3	41.6	821.5
30,0°	236.7	32.4	854.0
32,5°	154.3	22.7	876.7
35,0°	101.7	16.0	892.7
37,5°	76.7	12.8	905.5
40,0°	64.2	11.3	916.8
42,5°	57.3	10.6	927.4
45,0°	51.1	9.9	937.3
47,5°	44.6	9.0	946.3
50,0°	37.9	8.0	954.3
52,5°	31.6	6.9	961.2
55,0°	26.8	6.0	967.2
57,5°	24.1	5.6	972.7
60,0°	21.5	5.1	977.8
62,5°	18.8	4.6	982.4
65,0°	15.7	3.9	986.3
67,5°	12.6	3.2	989.5
70,0°	10.1	2.6	992.1
72,5°	8.3	2.2	994.3
75,0°	6.8	1.8	996.1
77,5°	5.4	1.5	997.5
80,0°	4.1	1.1	998.7
82,5°	2.8	0.8	999.4
85,0°	1.6	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									
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	20.0	21.1	20.3	21.4	21.7	20.0	21.1	20.3	21.4	21.7
	3H	20.6	21.5	21.0	21.9	22.2	20.6	21.5	21.0	21.9	22.2
	4H	20.8	21.7	21.2	22.0	22.4	20.8	21.7	21.2	22.0	22.4
	6H	21.0	21.8	21.5	22.2	22.6	21.0	21.8	21.5	22.2	22.6
	8H	21.2	21.8	21.6	22.2	22.6	21.2	21.8	21.6	22.2	22.6
	12H	21.2	21.8	21.6	22.2	22.6	21.2	21.8	21.6	22.2	22.6
4H	2H	20.3	21.1	20.7	21.5	21.8	20.3	21.1	20.7	21.5	21.8
	3H	21.0	21.7	21.4	22.1	22.5	21.0	21.7	21.4	22.1	22.5
	4H	21.3	21.9	21.8	22.3	22.8	21.3	21.9	21.8	22.3	22.8
	6H	21.6	22.1	22.1	22.5	23.0	21.6	22.1	22.1	22.5	23.0
	8H	21.7	22.1	22.2	22.6	23.1	21.7	22.1	22.2	22.6	23.1
	12H	21.7	22.1	22.2	22.6	23.1	21.7	22.1	22.2	22.6	23.1
8H	4H	21.4	21.9	21.9	22.3	22.8	21.4	21.9	21.9	22.3	22.8
	6H	21.7	22.1	22.3	22.6	23.1	21.7	22.1	22.3	22.6	23.1
	8H	21.9	22.2	22.4	22.7	23.2	21.9	22.2	22.4	22.7	23.2
	12H	22.0	22.2	22.5	22.7	23.3	22.0	22.2	22.5	22.7	23.3
12H	4H	21.4	21.8	21.9	22.2	22.7	21.4	21.8	21.9	22.2	22.7
	6H	21.8	22.1	22.3	22.5	23.1	21.8	22.1	22.3	22.5	23.1
	8H	21.9	22.2	22.4	22.7	23.2	21.9	22.2	22.4	22.7	23.2

<b>Luminance table</b>	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 62
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C-planes	0°
$\gamma$	Luminance in cd/m <sup>2</sup>
45,0°	50018.7
50,0°	40861.5
55,0°	32345.7
60,0°	29739.7
65,0°	25650.1
70,0°	20519.8
75,0°	18254.9
80,0°	16404.9
85,0°	12756.2

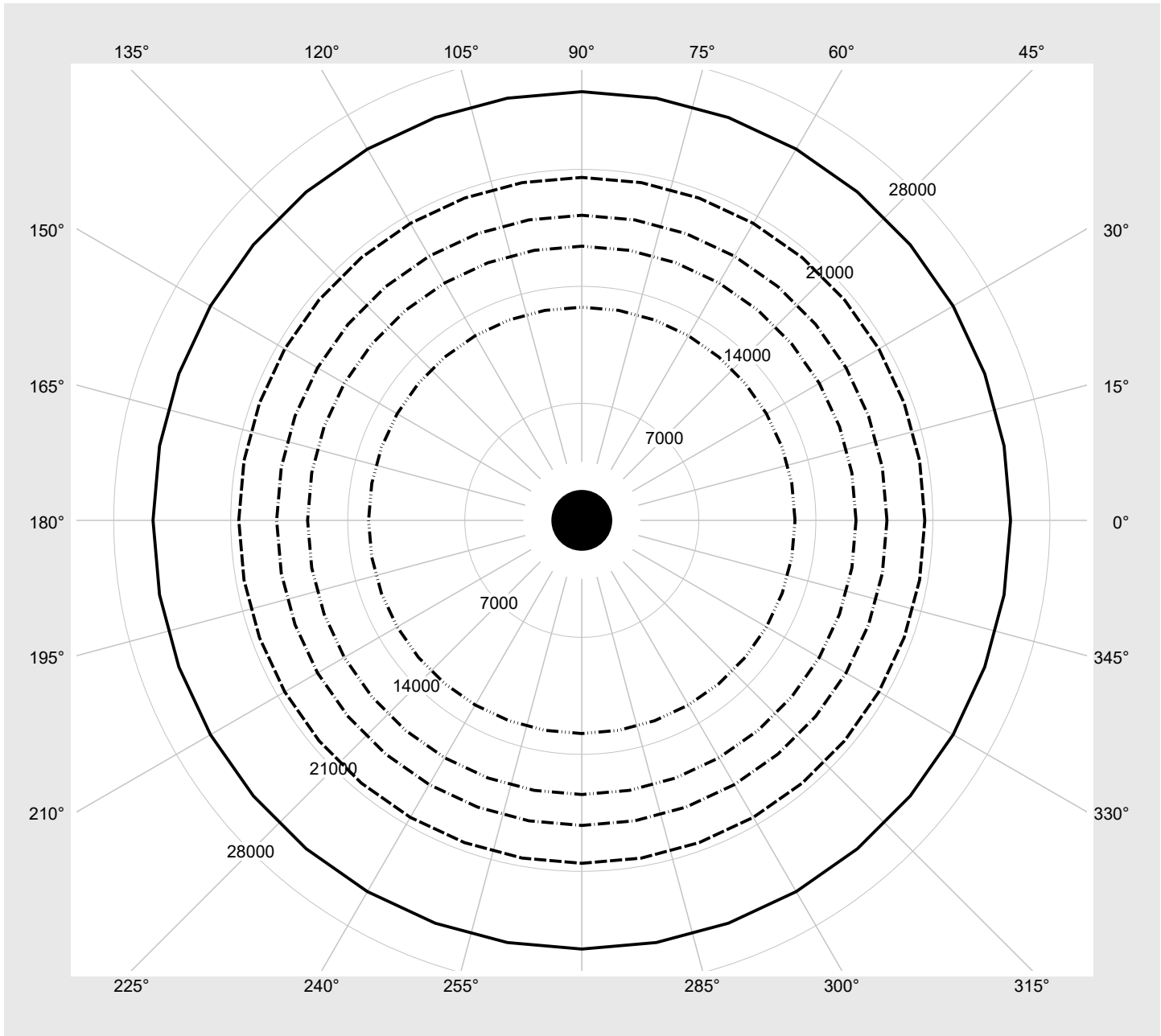
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**Luminance values in cd/m<sup>2</sup>**

$\gamma$  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		
0	OFF	OFF	OFF	3450	26.5
1	ON	OFF	OFF	3240	24.4
2	OFF	ON	OFF	3020	22.4
3	ON	ON	OFF	2790	20.4
4	OFF	OFF	ON	2560	18.5
5	ON	OFF	ON	2330	16.5
6	OFF	ON	ON	2090	14.8
7	ON	ON	ON	1840	12.8