

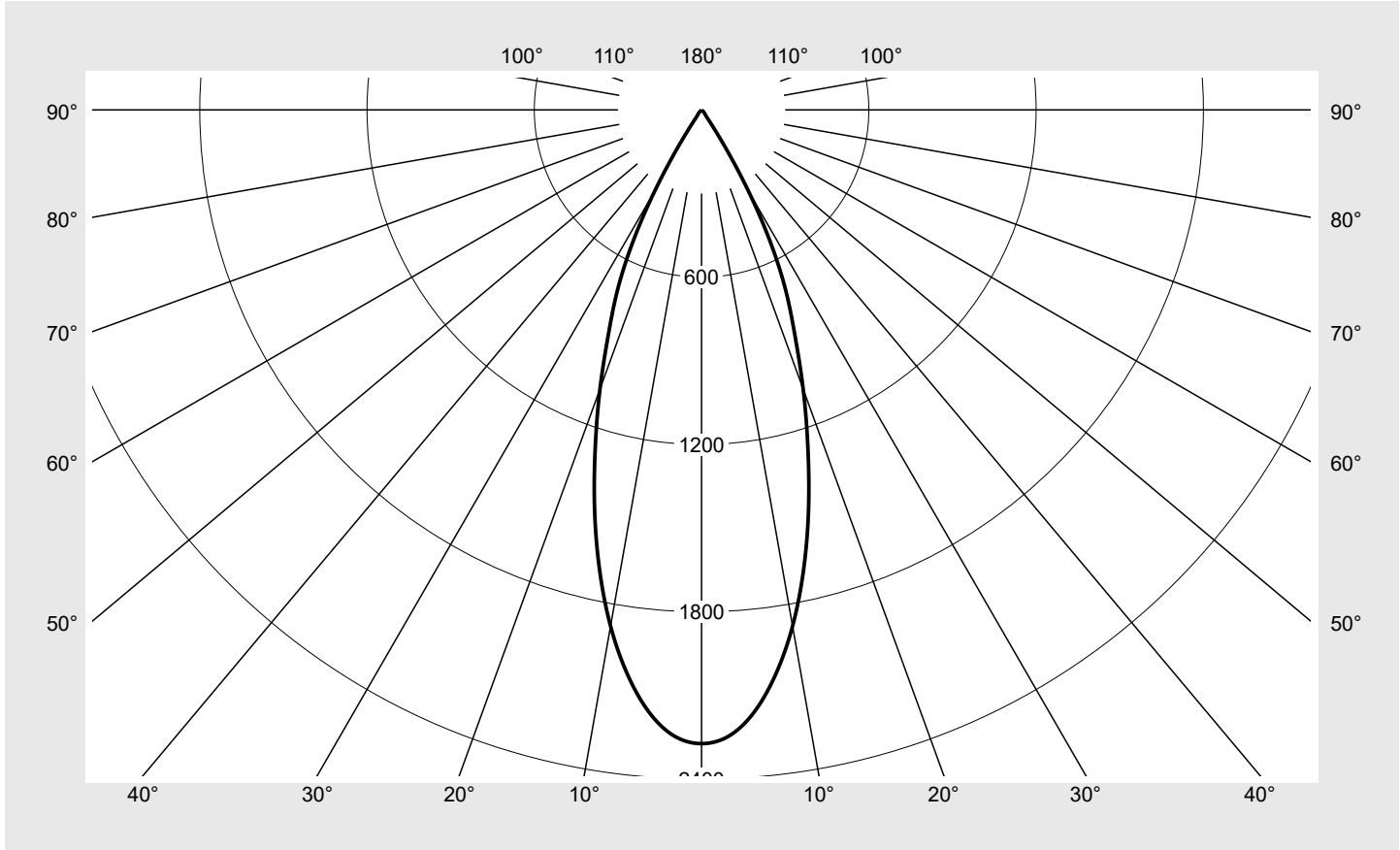


# Photometric test report

<b>Family</b> <b>Spot 21 Licross®</b>	<b>Order number: 51SL63DB11D2C</b> <b>EAN: 4069025502667</b>	<b>LP number</b> <b>59936_40</b>
	<b>Version</b> housing, white aluminium, reflector, cover glass, transparent, medium distribution	<b>serial documentation</b> <b>21.05.2026</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 = 2900 lm Power consumption = 19.8 W Luminous efficacy = 146.5 lm/W		
		

**Luminous intensity in cd/klm** C180-0 **Imax: 2273 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=98 N2=99 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°	2272.8	3.4	3.4
2,5°	2247.7	26.9	30.3
5,0°	2167.7	51.8	82.1
7,5°	2040.8	73.0	155.1
10,0°	1880.0	89.5	244.6
12,5°	1690.1	100.3	344.9
15,0°	1482.7	105.2	450.1
17,5°	1267.9	104.5	554.6
20,0°	1065.6	99.9	654.5
22,5°	874.9	91.8	746.3
25,0°	714.3	82.8	829.0
27,5°	533.8	67.6	896.6
30,0°	335.3	46.0	942.6
32,5°	151.5	22.3	964.9
35,0°	44.0	6.9	971.8
37,5°	23.3	3.9	975.7
40,0°	17.4	3.1	978.7
42,5°	13.8	2.6	981.3
45,0°	11.3	2.2	983.5
47,5°	9.4	1.9	985.4
50,0°	8.2	1.7	987.1
52,5°	7.3	1.6	988.7
55,0°	6.6	1.5	990.2
57,5°	6.0	1.4	991.6
60,0°	5.5	1.3	992.9
62,5°	5.0	1.2	994.1
65,0°	4.6	1.1	995.3
67,5°	4.1	1.0	996.3
70,0°	3.6	0.9	997.2
72,5°	3.0	0.8	998.0
75,0°	2.3	0.6	998.6
77,5°	1.8	0.5	999.1
80,0°	1.4	0.4	999.5
82,5°	1.0	0.3	999.8
85,0°	0.6	0.2	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									
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	13.8	14.8	14.2	15.1	15.5	13.8	14.8	14.2	15.1	15.5
	3H	14.1	15.0	14.5	15.3	15.7	14.1	15.0	14.5	15.3	15.7
	4H	14.2	15.0	14.6	15.4	15.7	14.2	15.0	14.6	15.4	15.7
	6H	14.3	15.0	14.7	15.4	15.8	14.3	15.0	14.7	15.4	15.8
	8H	14.5	15.0	14.9	15.4	15.8	14.5	15.0	14.9	15.4	15.8
	12H	14.5	14.9	14.9	15.3	15.7	14.5	14.9	14.9	15.3	15.7
4H	2H	13.8	14.6	14.2	14.9	15.3	13.8	14.6	14.2	14.9	15.3
	3H	14.2	14.8	14.6	15.2	15.6	14.2	14.8	14.6	15.2	15.6
	4H	14.3	14.9	14.8	15.3	15.8	14.3	14.9	14.8	15.3	15.8
	6H	14.4	15.0	14.9	15.4	15.9	14.4	15.0	14.9	15.4	15.9
	8H	14.5	15.0	15.0	15.4	15.9	14.5	15.0	15.0	15.4	15.9
	12H	14.6	14.9	15.1	15.4	15.9	14.6	14.9	15.1	15.4	15.9
8H	4H	14.4	14.8	14.8	15.2	15.7	14.4	14.8	14.8	15.2	15.7
	6H	14.6	14.9	15.1	15.4	15.9	14.6	14.9	15.1	15.4	15.9
	8H	14.6	14.9	15.1	15.4	16.0	14.6	14.9	15.1	15.4	16.0
	12H	14.7	14.9	15.2	15.4	16.0	14.7	14.9	15.2	15.4	16.0
12H	4H	14.4	14.7	14.9	15.1	15.6	14.4	14.7	14.9	15.1	15.6
	6H	14.5	14.8	15.1	15.3	15.8	14.5	14.8	15.1	15.3	15.8
	8H	14.6	14.9	15.2	15.4	15.9	14.6	14.9	15.2	15.4	15.9

<b>Luminance table</b>	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°	8802.7
50,0°	7026.7
55,0°	6337.9
60,0°	6059.2
65,0°	5995.3
70,0°	5797.7
75,0°	4894.8
80,0°	4439.9
85,0°	3793.0

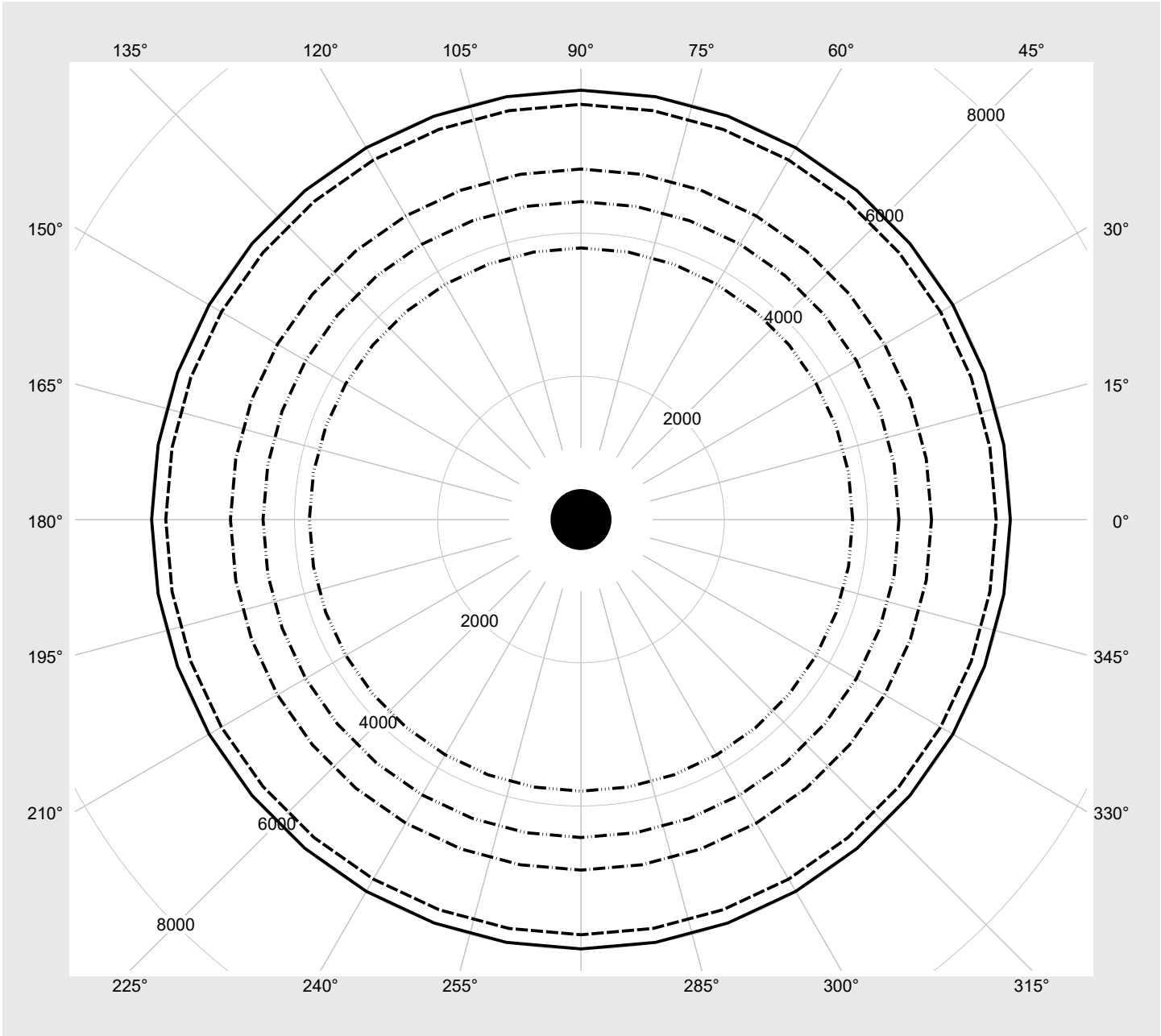
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**Luminance values in cd/m<sup>2</sup>**

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



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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	3910	28.1
10	ON	OFF	ON	OFF	3670	25.9
9	ON	OFF	OFF	ON	3420	23.8
8	ON	OFF	OFF	OFF	3160	21.7
7	OFF	ON	ON	ON	2900	19.8
6	OFF	ON	ON	OFF	2630	17.7
5	OFF	ON	OFF	ON	2360	15.7
4	OFF	ON	OFF	OFF	2090	13.8
3	OFF	OFF	ON	ON	1800	11.7
2	OFF	OFF	ON	OFF	1510	9.9
1	OFF	OFF	OFF	ON	1210	8.1
0	OFF	OFF	OFF	OFF	910	6.2