
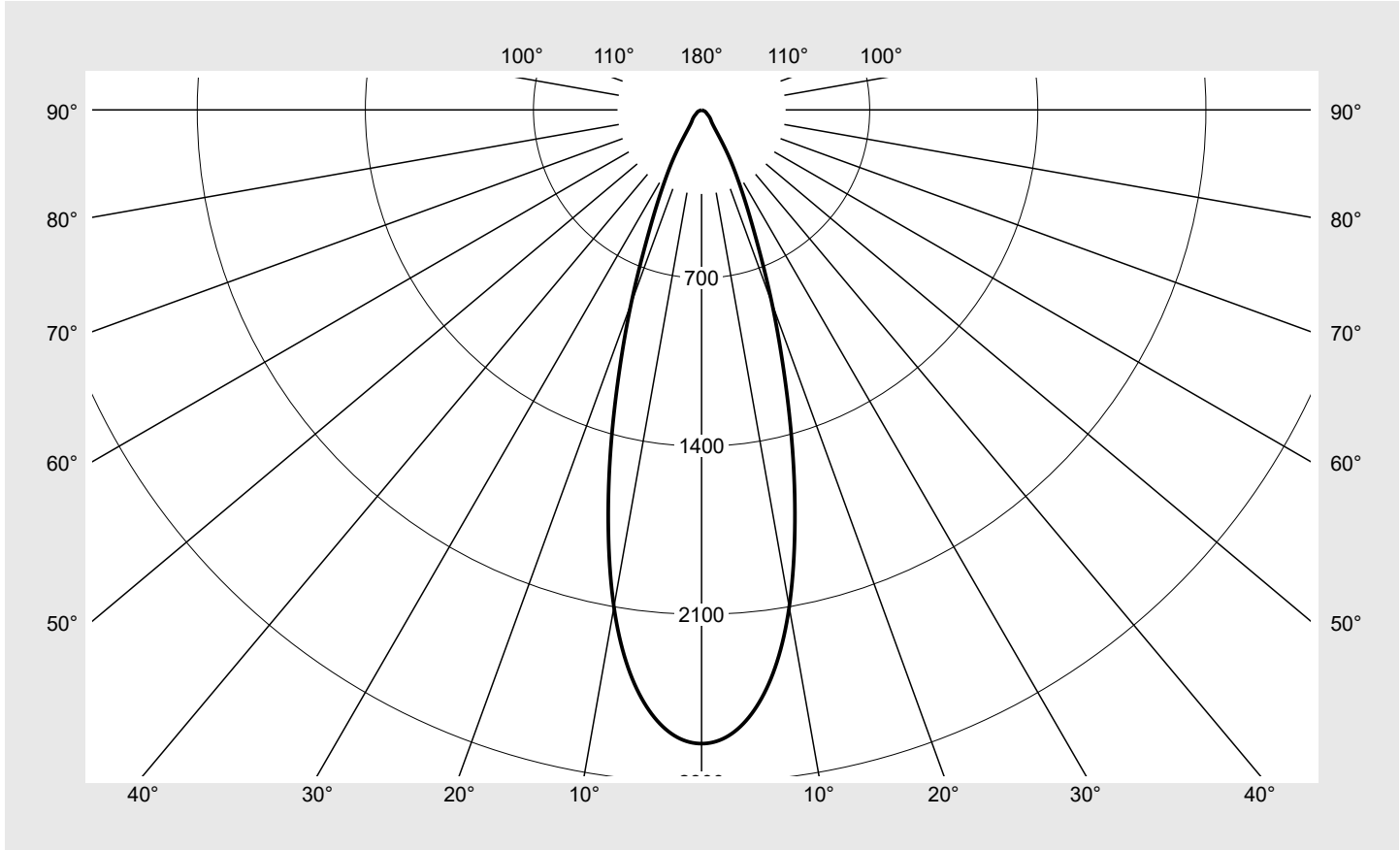


# Photometric test report

<b>Family</b> <b>Spot 21</b>	<b>Order number: 51SE33DA2DC2C</b> <b>EAN: 4069025447432</b>	<b>LP number</b> <b>59940_7</b>
	<b>Version</b> housing, black, reflector, lens PMMA, wide distribution <b>Lamps</b> LED 3500 K   CRI ≥ 90 <b>Controlgear</b> ECG-DALI-Multilumen <b>Setting</b> factory setting: DIP-Step=5 <b>Rated values</b> Net luminous flux = 2150 lm Power consumption = 15.6 W Luminous efficacy = 137.8 lm/W	<b>serial documentation</b> <b>14.01.2026</b>



**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	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	20.1	21.2	20.4	21.5	21.8	20.1	21.2	20.4	21.5	21.8
	3H	20.7	21.6	21.1	22.0	22.3	20.7	21.6	21.1	22.0	22.3
	4H	20.9	21.8	21.3	22.1	22.5	20.9	21.8	21.3	22.1	22.5
	6H	21.1	21.9	21.6	22.3	22.7	21.1	21.9	21.6	22.3	22.7
	8H	21.3	21.9	21.7	22.3	22.7	21.3	21.9	21.7	22.3	22.7
	12H	21.3	21.9	21.7	22.3	22.7	21.3	21.9	21.7	22.3	22.7
4H	2H	20.4	21.2	20.8	21.6	21.9	20.4	21.2	20.8	21.6	21.9
	3H	21.1	21.8	21.5	22.2	22.6	21.1	21.8	21.5	22.2	22.6
	4H	21.4	22.0	21.9	22.4	22.9	21.4	22.0	21.9	22.4	22.9
	6H	21.7	22.2	22.1	22.6	23.1	21.7	22.2	22.1	22.6	23.1
	8H	21.8	22.2	22.3	22.7	23.2	21.8	22.2	22.3	22.7	23.2
	12H	21.8	22.2	22.3	22.7	23.2	21.8	22.2	22.3	22.7	23.2
8H	4H	21.5	22.0	22.0	22.4	22.9	21.5	22.0	22.0	22.4	22.9
	6H	21.8	22.2	22.4	22.7	23.2	21.8	22.2	22.4	22.7	23.2
	8H	22.0	22.3	22.5	22.8	23.3	22.0	22.3	22.5	22.8	23.3
	12H	22.1	22.3	22.6	22.8	23.4	22.1	22.3	22.6	22.8	23.4
12H	4H	21.5	21.9	22.0	22.3	22.8	21.5	21.9	22.0	22.3	22.8
	6H	21.9	22.2	22.4	22.6	23.2	21.9	22.2	22.4	22.6	23.2
	8H	22.0	22.3	22.5	22.8	23.3	22.0	22.3	22.5	22.8	23.3

Luminance table	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°	51454.6
50,0°	42034.6
55,0°	33274.3
60,0°	30593.5
65,0°	26386.4
70,0°	21108.9
75,0°	18779.0
80,0°	16875.8
85,0°	13122.4

**Photometric test report**

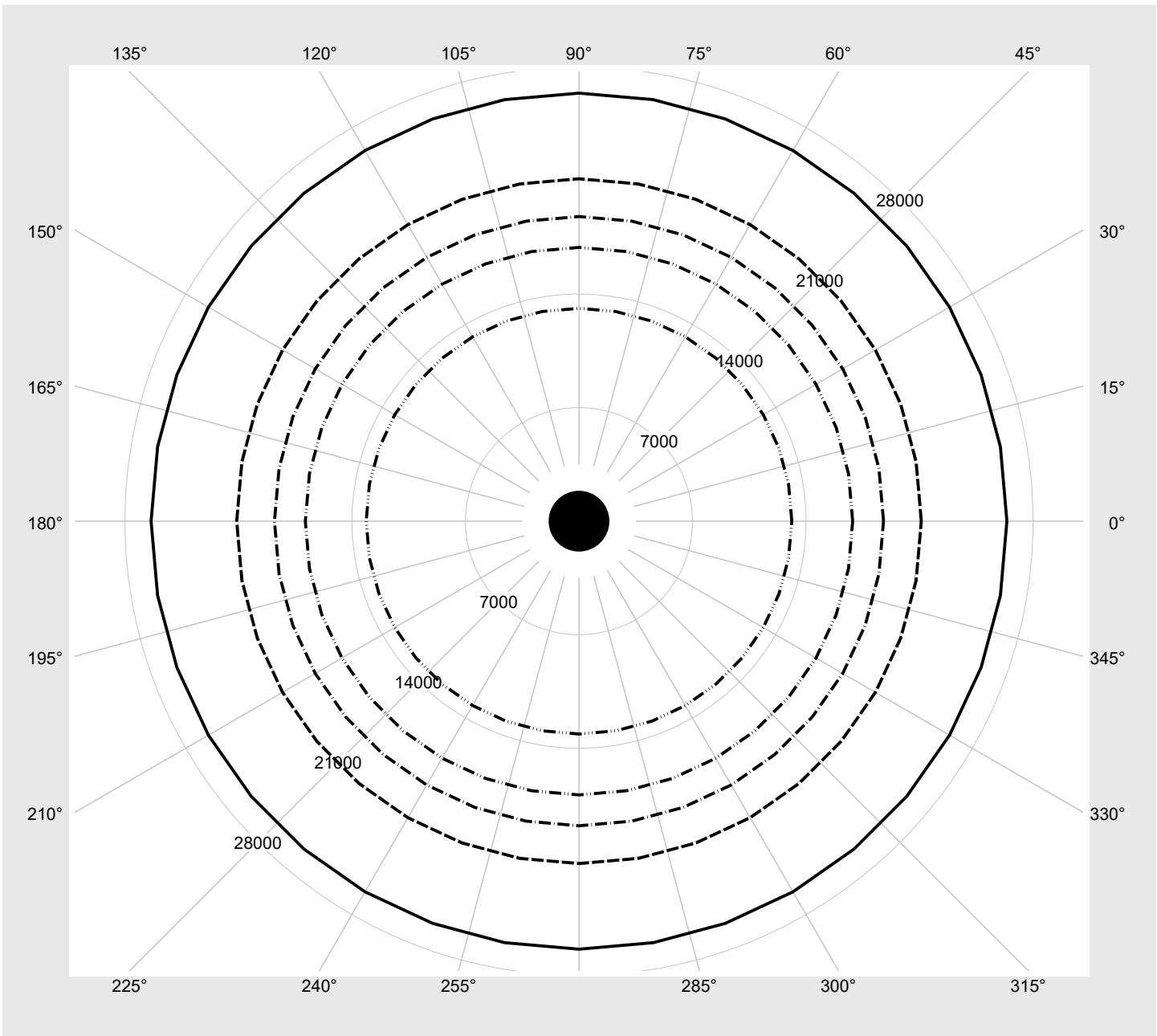
**Family**  
**Spot 21**

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**EAN: 4069025447432**

**LP number**  
**59940\_7**

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

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



**Photometric test report**

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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	3550	28.0
10	ON	OFF	ON	OFF	3330	25.8
9	ON	OFF	OFF	ON	3110	23.7
8	ON	OFF	OFF	OFF	2870	21.6
7	OFF	ON	ON	ON	2640	19.8
6	OFF	ON	ON	OFF	2400	17.7
5	OFF	ON	OFF	ON	2150	15.6
4	OFF	ON	OFF	OFF	1900	13.8
3	OFF	OFF	ON	ON	1640	11.7
2	OFF	OFF	ON	OFF	1380	9.9
1	OFF	OFF	OFF	ON	1110	8.0
0	OFF	OFF	OFF	OFF	830	6.2