
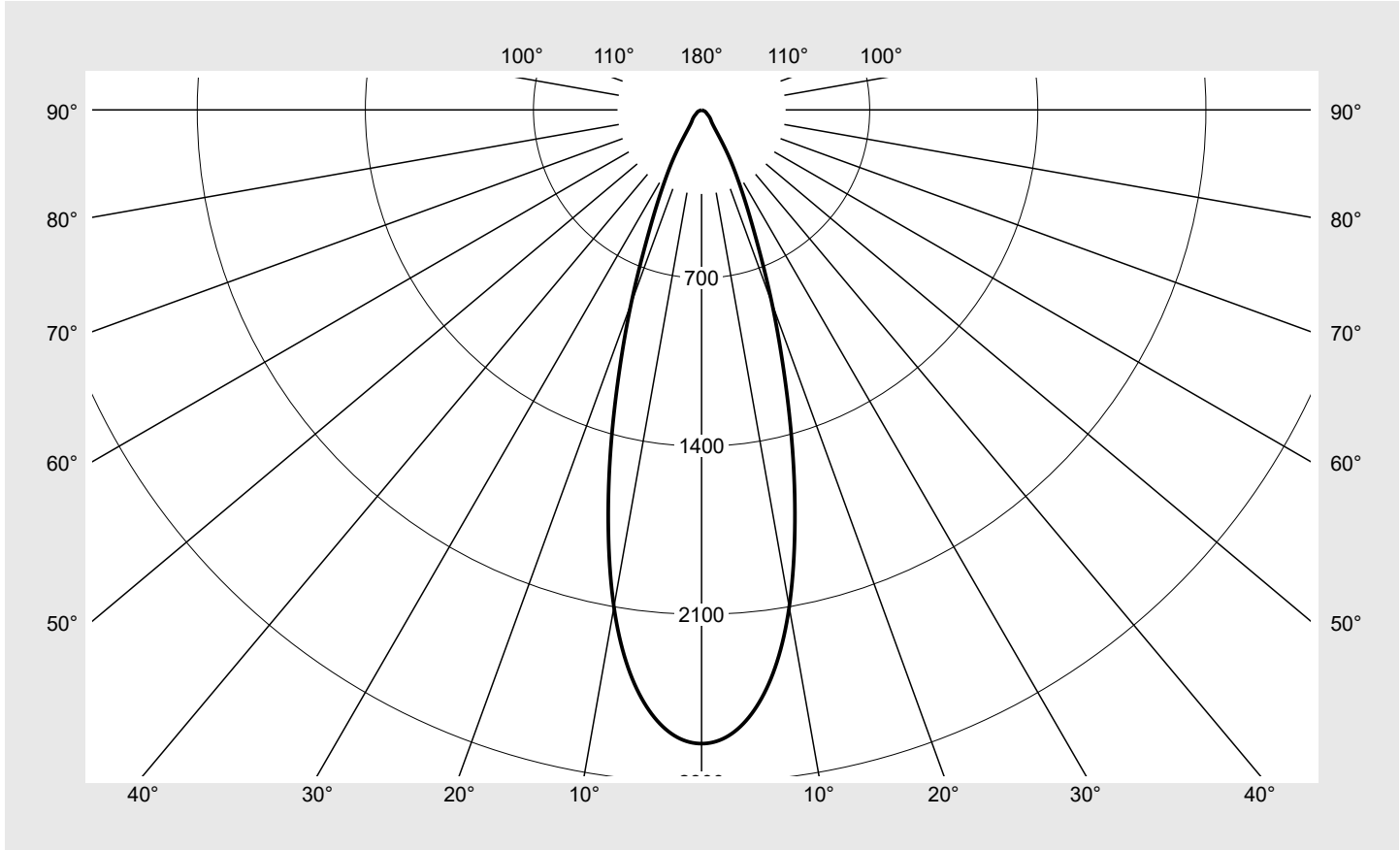


# Photometric test report

<b>Family</b> <b>Spot 21 Standard</b>	<b>Order number: 51SE33DA2DB2C</b> <b>EAN: 4069025447425</b>	<b>LP number</b> <b>59940_14</b>
	<b>Version</b> housing, black, reflector, lens PMMA, wide distribution <b>Lamps</b> LED 3000 K   CRI ≥ 90 <b>Controlgear</b> ECG-DALI-Multilumen <b>Setting</b> factory setting: DIP-Step=5 <b>Rated values</b> Net luminous flux = 2090 lm Power consumption = 15.6 W Luminous efficacy = 134 lm/W	<b>serial documentation</b> <b>11.05.2026</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>
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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

**Photometric test report**

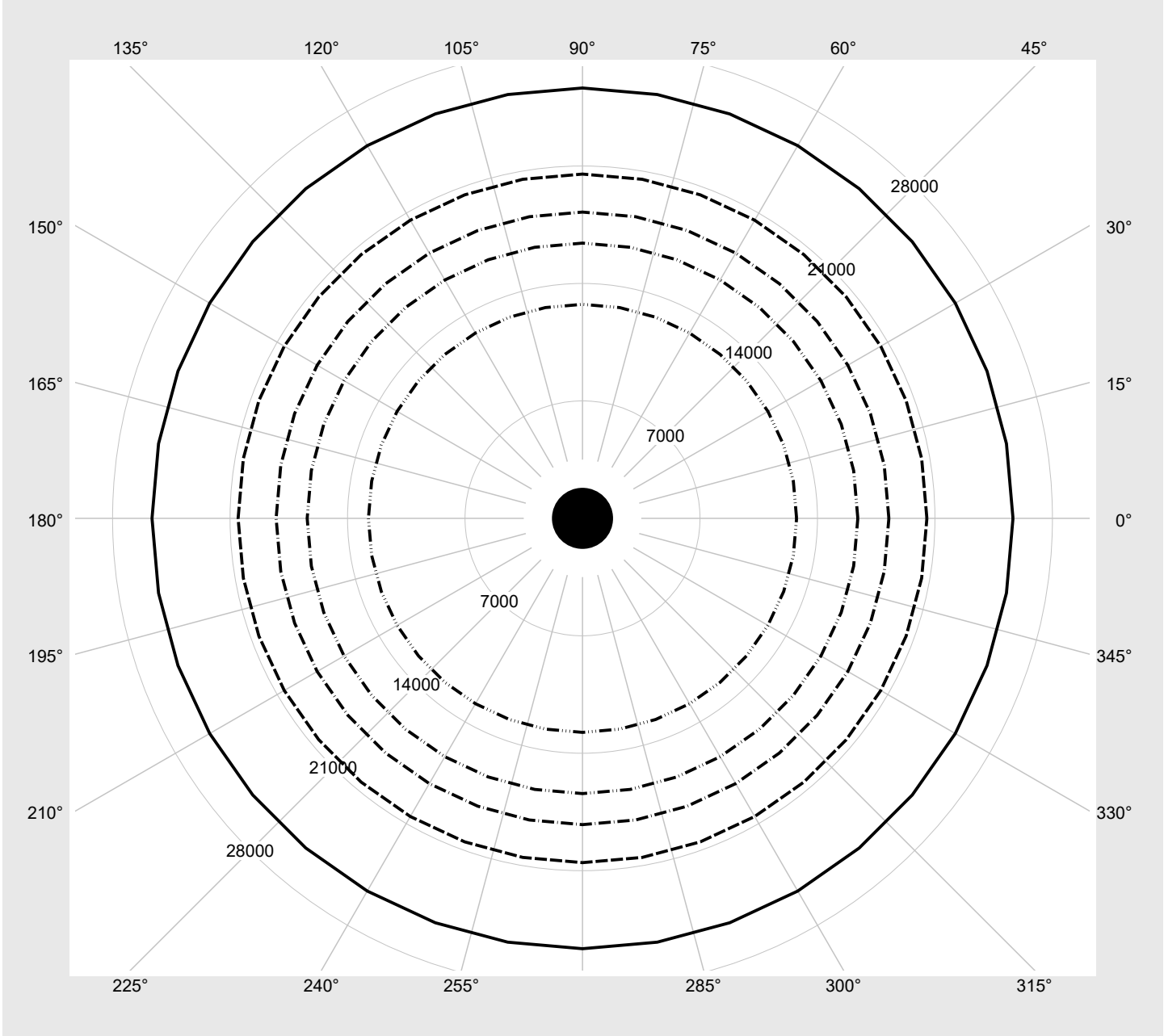
**Family**  
Spot 21 Standard

**Order number: 51SE33DA2DB2C**  
**EAN: 4069025447425**

**LP number**  
**59940\_14**

**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	3450	28.0
10	ON	OFF	ON	OFF	3240	25.8
9	ON	OFF	OFF	ON	3020	23.7
8	ON	OFF	OFF	OFF	2790	21.6
7	OFF	ON	ON	ON	2560	19.8
6	OFF	ON	ON	OFF	2330	17.7
5	OFF	ON	OFF	ON	2090	15.6
4	OFF	ON	OFF	OFF	1840	13.8
3	OFF	OFF	ON	ON	1590	11.7
2	OFF	OFF	ON	OFF	1340	9.9
1	OFF	OFF	OFF	ON	1080	8.0
0	OFF	OFF	OFF	OFF	810	6.2