
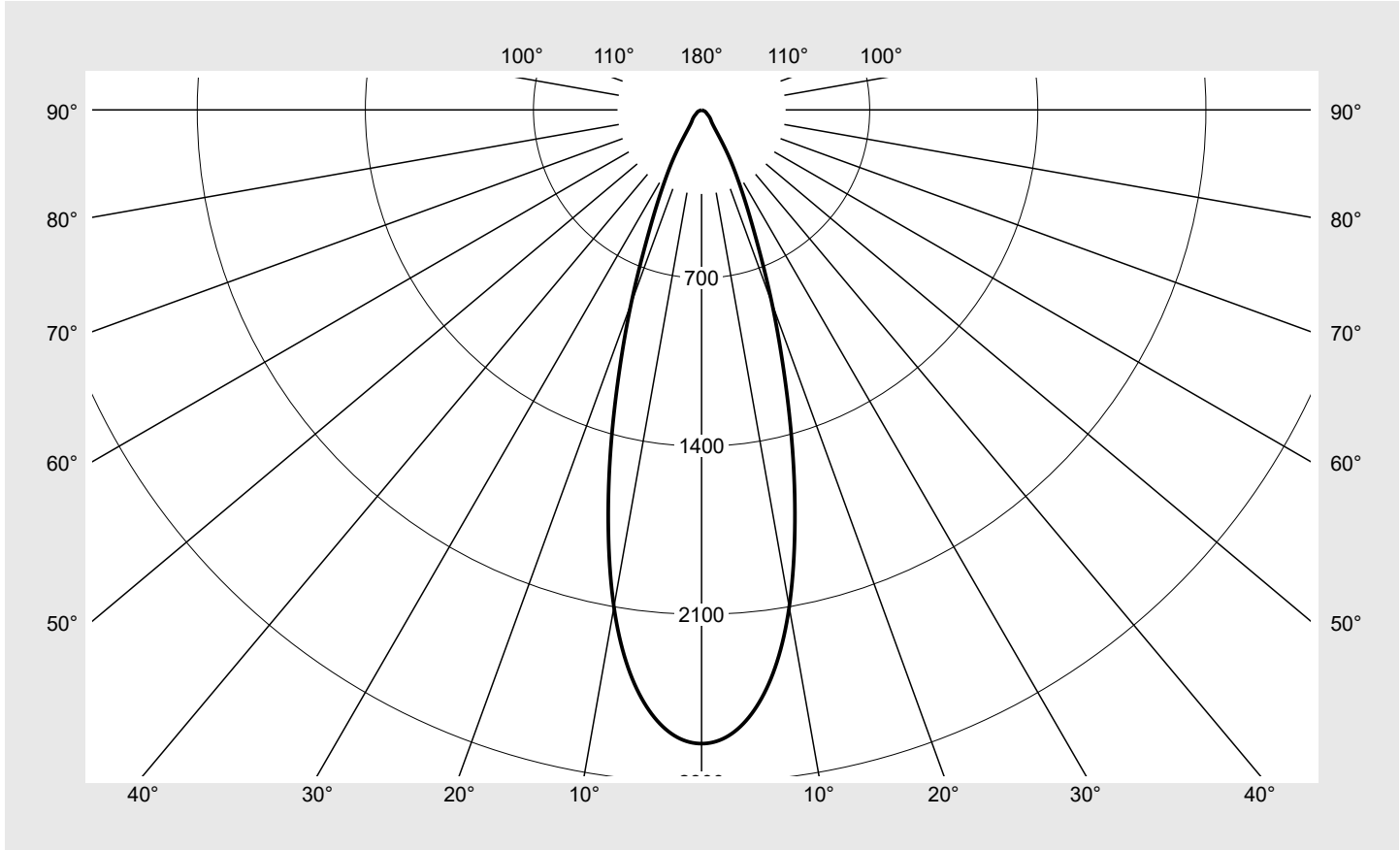


# Photometric test report

<b>Family</b> <b>Spot 21 Standard</b>	<b>Order number: 51SE63DA2EC2C</b> <b>EAN: 4069025447920</b>	<b>LP number</b> <b>59942_15</b>
	<b>Version</b> housing, white aluminium, 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 = 2280 lm Power consumption = 15.6 W Luminous efficacy = 146.2 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 $\gamma$	0°	Phi-zone	Total Phi-zone
	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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<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	20.3	21.4	20.6	21.7	22.0	20.3	21.4	20.6	21.7	22.0
	3H	20.9	21.8	21.3	22.2	22.5	20.9	21.8	21.3	22.2	22.5
	4H	21.1	22.0	21.5	22.4	22.7	21.1	22.0	21.5	22.4	22.7
	6H	21.3	22.1	21.8	22.5	22.9	21.3	22.1	21.8	22.5	22.9
	8H	21.5	22.1	21.9	22.5	22.9	21.5	22.1	21.9	22.5	22.9
	12H	21.5	22.1	21.9	22.5	22.9	21.5	22.1	21.9	22.5	22.9
4H	2H	20.6	21.4	21.0	21.8	22.1	20.6	21.4	21.0	21.8	22.1
	3H	21.3	22.0	21.7	22.4	22.8	21.3	22.0	21.7	22.4	22.8
	4H	21.6	22.2	22.1	22.7	23.1	21.6	22.2	22.1	22.7	23.1
	6H	21.9	22.4	22.4	22.8	23.3	21.9	22.4	22.4	22.8	23.3
	8H	22.0	22.4	22.5	22.9	23.4	22.0	22.4	22.5	22.9	23.4
	12H	22.0	22.4	22.5	22.9	23.4	22.0	22.4	22.5	22.9	23.4
8H	4H	21.7	22.2	22.2	22.6	23.1	21.7	22.2	22.2	22.6	23.1
	6H	22.1	22.4	22.6	22.9	23.4	22.1	22.4	22.6	22.9	23.4
	8H	22.2	22.5	22.7	23.0	23.5	22.2	22.5	22.7	23.0	23.5
	12H	22.3	22.5	22.8	23.0	23.6	22.3	22.5	22.8	23.0	23.6
12H	4H	21.7	22.1	22.2	22.5	23.0	21.7	22.1	22.2	22.5	23.0
	6H	22.1	22.4	22.6	22.8	23.4	22.1	22.4	22.6	22.8	23.4
	8H	22.2	22.5	22.7	23.0	23.5	22.2	22.5	22.7	23.0	23.5

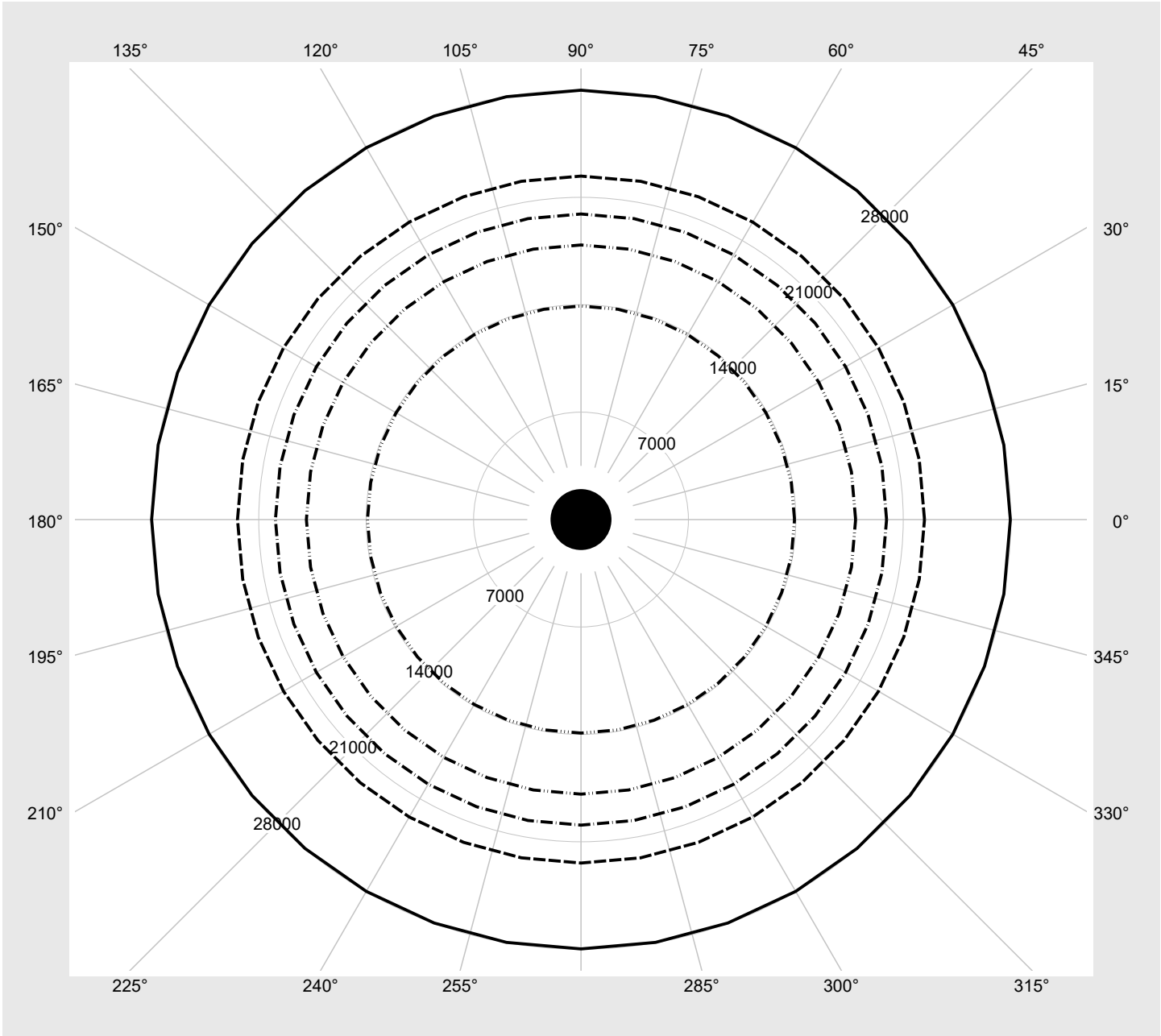
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm: D = 62</b>
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<b>C-planes</b>	<b>0°</b>
$\gamma$	<b>Luminance in cd/m<sup>2</sup></b>
45,0°	54565.9
50,0°	44576.2
55,0°	35286.2
60,0°	32443.4
65,0°	27981.9
70,0°	22385.3
75,0°	19914.4
80,0°	17896.2
85,0°	13915.9

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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	<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	3770	28.0
10	ON	OFF	ON	OFF	3540	25.8
9	ON	OFF	OFF	ON	3300	23.7
8	ON	OFF	OFF	OFF	3050	21.6
7	OFF	ON	ON	ON	2800	19.8
6	OFF	ON	ON	OFF	2550	17.7
5	OFF	ON	OFF	ON	2280	15.6
4	OFF	ON	OFF	OFF	2020	13.8
3	OFF	OFF	ON	ON	1740	11.7
2	OFF	OFF	ON	OFF	1460	9.9
1	OFF	OFF	OFF	ON	1180	8.0
0	OFF	OFF	OFF	OFF	880	6.2