
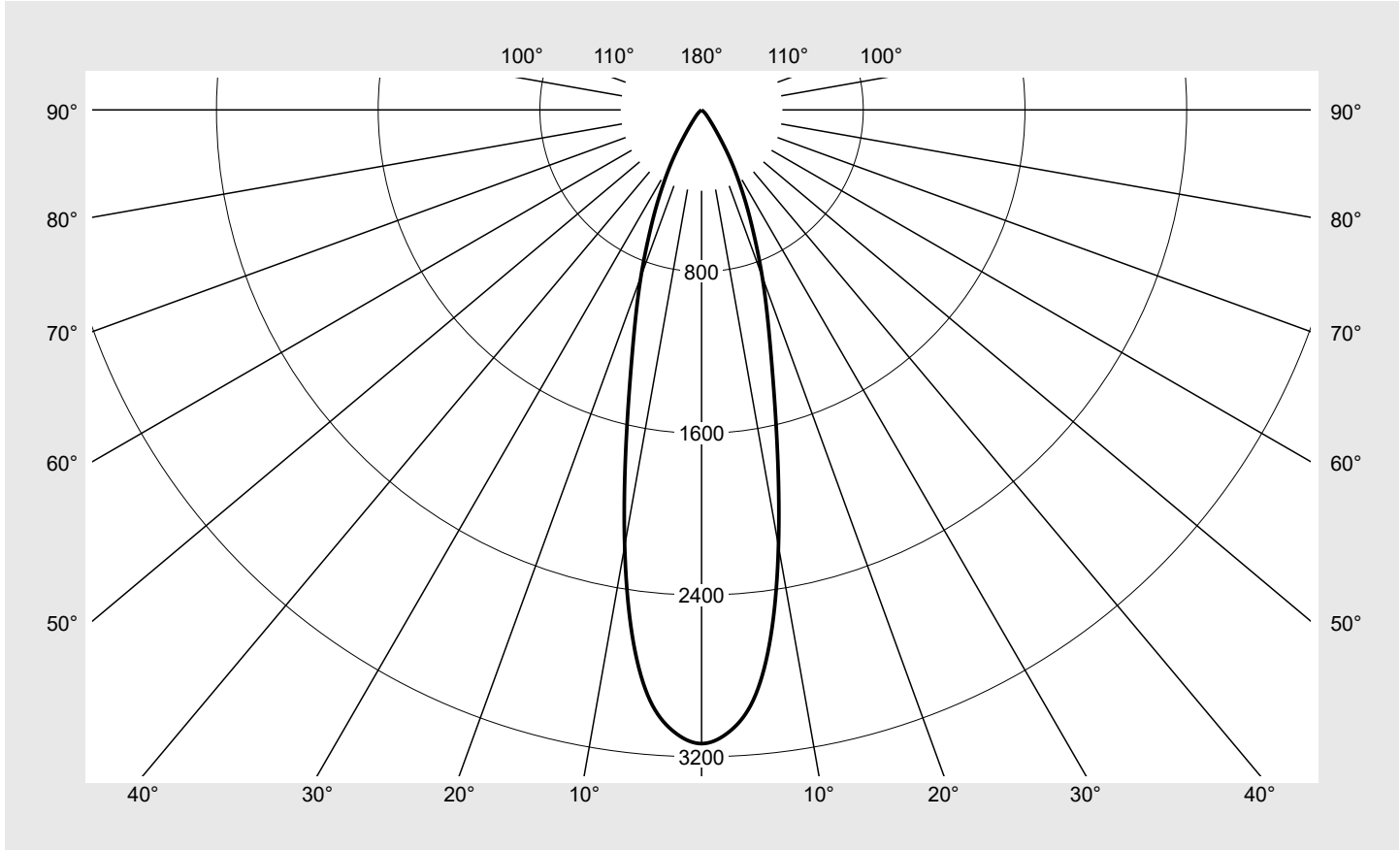


# Photometric test report

<b>Family</b> <b>Spot 21 Standard</b>	<b>Order number: 51SE32DA2DA2C</b> <b>EAN: 4069025447258</b>	<b>LP number</b> <b>59939_13</b>
	<b>Version</b> housing, black, reflector, lens PMMA, medium distribution <b>Lamps</b> LED 2700 K   CRI ≥ 90 <b>Controlgear</b> ECG-DALI-Multilumen <b>Setting</b> factory setting: DIP-Step=5 <b>Rated values</b> Net luminous flux = 1900 lm Power consumption = 15.6 W Luminous efficacy = 121.8 lm/W	<b>serial documentation</b> <b>11.05.2026</b>



**Luminous intensity in cd/klm** C180-0 **Imax: 3135 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=97 N2=100 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°	3134.9	4.7	4.7
2,5°	3081.0	36.8	41.5
5,0°	2931.6	70.0	111.6
7,5°	2625.0	93.9	205.5
10,0°	2190.8	104.3	309.8
12,5°	1734.9	102.9	412.7
15,0°	1359.5	96.5	509.2
17,5°	1089.3	89.8	599.0
20,0°	876.8	82.2	681.2
22,5°	687.5	72.1	753.3
25,0°	534.4	61.9	815.2
27,5°	401.7	50.8	866.1
30,0°	290.7	39.8	905.9
32,5°	188.1	27.7	933.6
35,0°	118.3	18.6	952.2
37,5°	77.2	12.9	965.1
40,0°	52.9	9.3	974.4
42,5°	39.2	7.3	981.7
45,0°	27.9	5.4	987.1
47,5°	19.1	3.9	991.0
50,0°	13.2	2.8	993.7
52,5°	8.2	1.8	995.5
55,0°	6.2	1.4	996.9
57,5°	4.9	1.1	998.1
60,0°	3.6	0.9	998.9
62,5°	2.4	0.6	999.5
65,0°	1.4	0.3	999.8
67,5°	0.5	0.1	1000.0
70,0°	0.1	0.0	1000.0
72,5°	0.0	0.0	1000.0
75,0°	0.0	0.0	1000.0
77,5°	0.0	0.0	1000.0
80,0°	0.0	0.0	1000.0
82,5°	0.0	0.0	1000.0
85,0°	0.0	0.0	1000.0
87,5°	0.0	0.0	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	16.9	17.9	17.2	18.2	18.5	16.9	17.9	17.2	18.2	18.5
	3H	16.7	17.6	17.1	17.9	18.3	16.7	17.6	17.1	17.9	18.3
	4H	16.6	17.4	17.0	17.8	18.1	16.6	17.4	17.0	17.8	18.1
	6H	16.6	17.2	17.0	17.6	18.0	16.6	17.2	17.0	17.6	18.0
	8H	16.6	17.1	17.1	17.5	17.9	16.6	17.1	17.1	17.5	17.9
	12H	16.6	17.0	17.0	17.4	17.9	16.6	17.0	17.0	17.4	17.9
4H	2H	16.6	17.4	17.0	17.8	18.1	16.6	17.4	17.0	17.8	18.1
	3H	16.4	17.1	16.9	17.5	17.9	16.4	17.1	16.9	17.5	17.9
	4H	16.3	16.9	16.8	17.3	17.7	16.3	16.9	16.8	17.3	17.7
	6H	16.2	16.7	16.7	17.1	17.6	16.2	16.7	16.7	17.1	17.6
	8H	16.2	16.6	16.6	17.0	17.5	16.2	16.6	16.6	17.0	17.5
	12H	16.2	16.5	16.7	16.9	17.4	16.2	16.5	16.7	16.9	17.4
8H	4H	16.2	16.6	16.6	17.0	17.5	16.2	16.6	16.6	17.0	17.5
	6H	16.0	16.3	16.5	16.8	17.3	16.0	16.3	16.5	16.8	17.3
	8H	15.9	16.2	16.5	16.7	17.3	15.9	16.2	16.5	16.7	17.3
	12H	15.9	16.1	16.5	16.6	17.2	15.9	16.1	16.5	16.6	17.2
12H	4H	16.2	16.5	16.7	16.9	17.4	16.2	16.5	16.7	16.9	17.4
	6H	16.0	16.2	16.5	16.7	17.3	16.0	16.2	16.5	16.7	17.3
	8H	15.9	16.1	16.5	16.6	17.2	15.9	16.1	16.5	16.6	17.2

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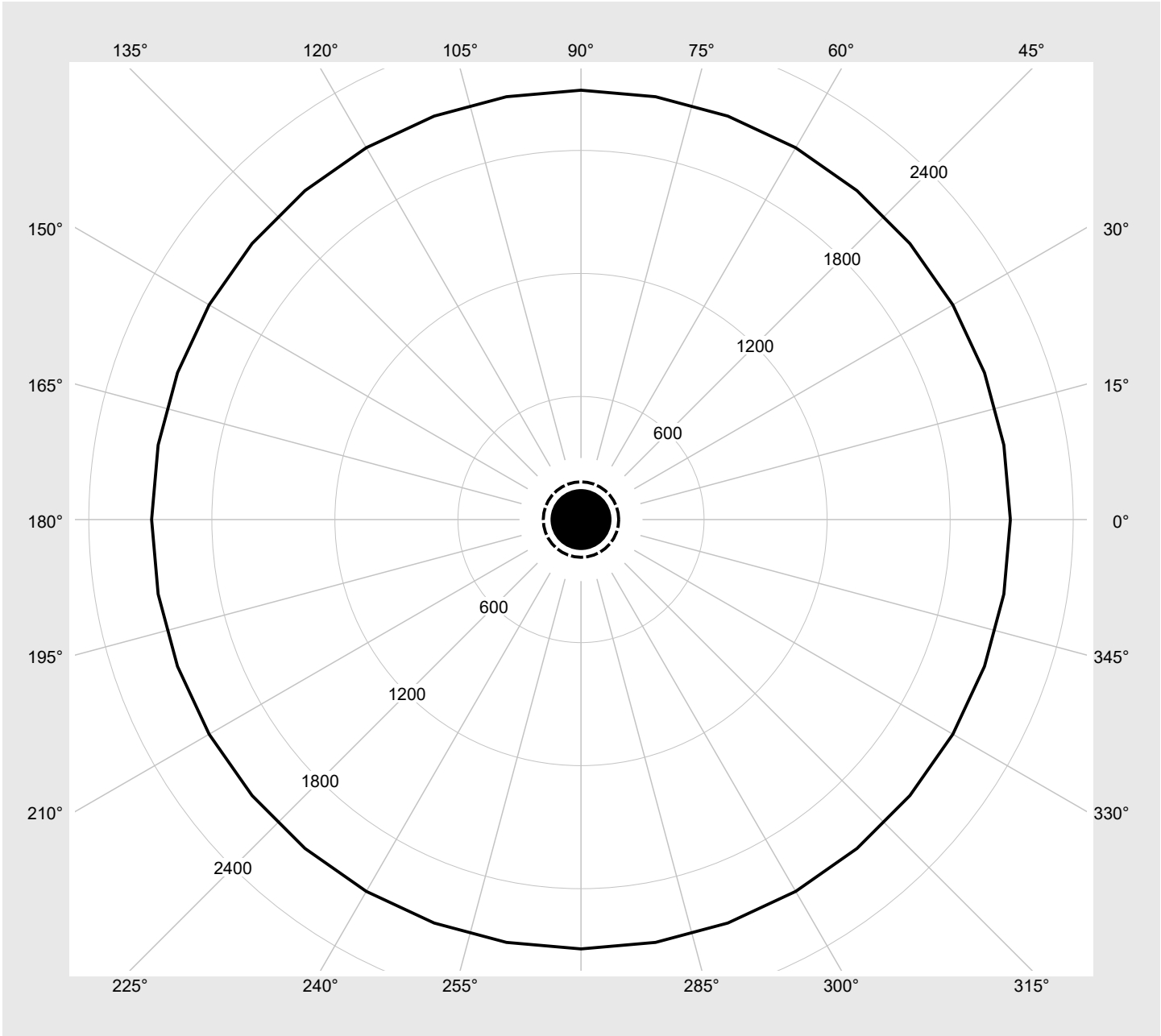
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 62
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C-planes	0°
$\gamma$	Luminance in cd/m <sup>2</sup>
45,0°	24853.6
50,0°	12882.6
55,0°	6833.4
60,0°	4551.3
65,0°	2093.7
70,0°	184.0
75,0°	0.0
80,0°	0.0
85,0°	0.0

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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	3130	28.0
10	ON	OFF	ON	OFF	2940	25.8
9	ON	OFF	OFF	ON	2740	23.7
8	ON	OFF	OFF	OFF	2530	21.6
7	OFF	ON	ON	ON	2330	19.8
6	OFF	ON	ON	OFF	2110	17.7
5	OFF	ON	OFF	ON	1900	15.6
4	OFF	ON	OFF	OFF	1670	13.8
3	OFF	OFF	ON	ON	1450	11.7
2	OFF	OFF	ON	OFF	1210	9.9
1	OFF	OFF	OFF	ON	980	8.0
0	OFF	OFF	OFF	OFF	730	6.2