
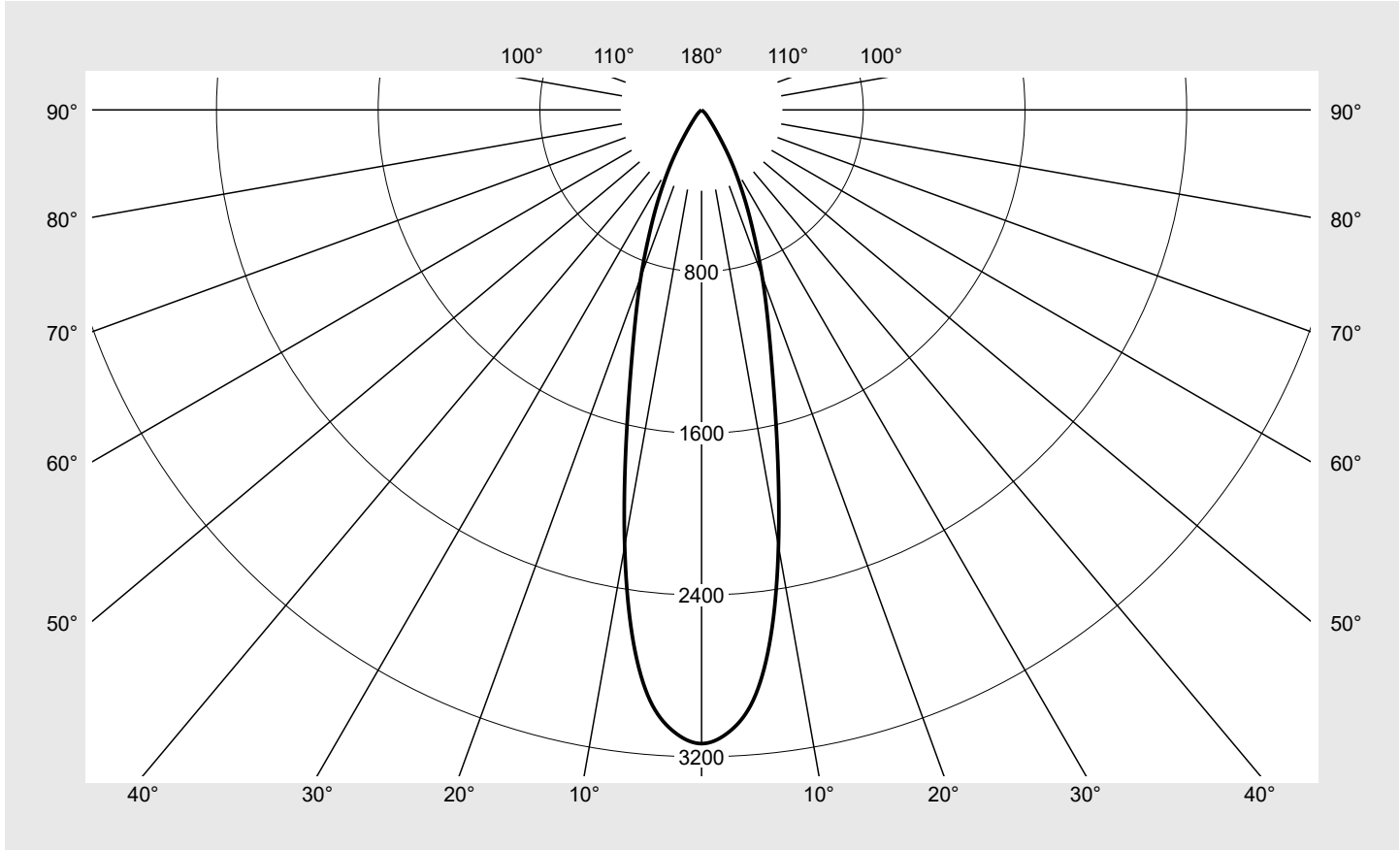


# Photometric test report

<b>Family</b> <b>Spot 21 Standard</b>	<b>Order number: 51SE32MA2DC2C</b> <b>EAN: 4069025447357</b>	<b>LP number</b> <b>59939_11</b>
	<b>Version</b> housing, black, reflector, lens PMMA, medium distribution <b>Lamps</b> LED 3500 K   CRI ≥ 90 <b>Controlgear</b> ECG Multilumen <b>Setting</b> factory setting: DIP-Step=6 <b>Rated values</b> Net luminous flux = 2050 lm Power consumption = 14.8 W Luminous efficacy = 138.5 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	17.1	18.1	17.5	18.4	18.8	17.1	18.1	17.5	18.4	18.8
	3H	16.9	17.8	17.3	18.2	18.5	16.9	17.8	17.3	18.2	18.5
	4H	16.9	17.7	17.3	18.0	18.4	16.9	17.7	17.3	18.0	18.4
	6H	16.8	17.5	17.2	17.9	18.3	16.8	17.5	17.2	17.9	18.3
	8H	16.9	17.4	17.3	17.8	18.2	16.9	17.4	17.3	17.8	18.2
	12H	16.8	17.3	17.3	17.7	18.1	16.8	17.3	17.3	17.7	18.1
4H	2H	16.9	17.7	17.3	18.0	18.4	16.9	17.7	17.3	18.0	18.4
	3H	16.7	17.3	17.1	17.7	18.1	16.7	17.3	17.1	17.7	18.1
	4H	16.6	17.1	17.0	17.6	18.0	16.6	17.1	17.0	17.6	18.0
	6H	16.5	16.9	17.0	17.4	17.9	16.5	16.9	17.0	17.4	17.9
	8H	16.4	16.8	16.9	17.3	17.8	16.4	16.8	16.9	17.3	17.8
	12H	16.4	16.7	16.9	17.2	17.7	16.4	16.7	16.9	17.2	17.7
8H	4H	16.4	16.8	16.9	17.3	17.8	16.4	16.8	16.9	17.3	17.8
	6H	16.3	16.6	16.8	17.1	17.6	16.3	16.6	16.8	17.1	17.6
	8H	16.2	16.5	16.7	17.0	17.5	16.2	16.5	16.7	17.0	17.5
	12H	16.2	16.4	16.7	16.9	17.4	16.2	16.4	16.7	16.9	17.4
12H	4H	16.4	16.7	16.9	17.2	17.7	16.4	16.7	16.9	17.2	17.7
	6H	16.3	16.5	16.8	17.0	17.5	16.3	16.5	16.8	17.0	17.5
	8H	16.2	16.4	16.7	16.9	17.4	16.2	16.4	16.7	16.9	17.4

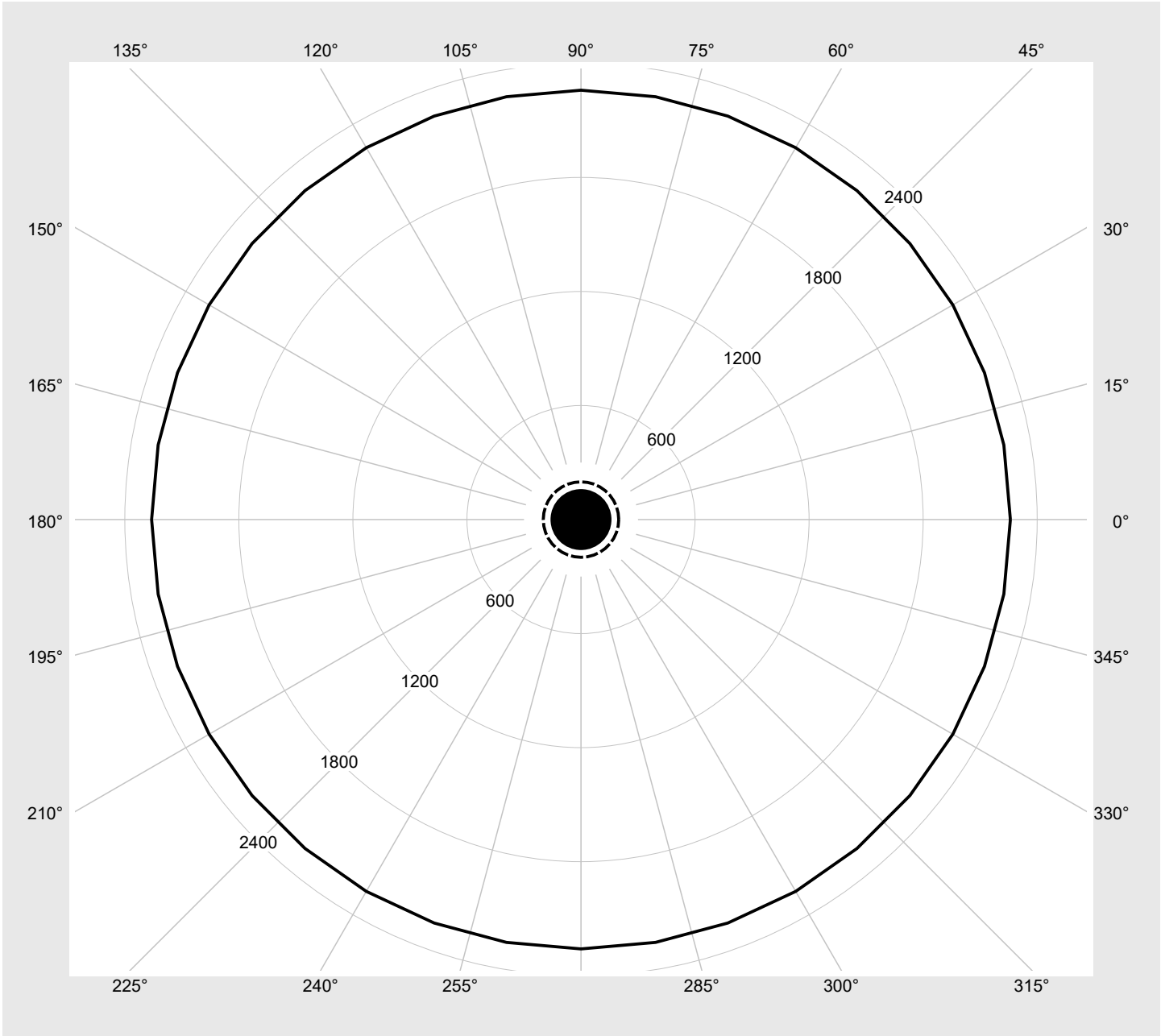
<b>Luminance table</b>	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 62
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C-planes	0°
$\gamma$	Luminance in cd/m <sup>2</sup>
45,0°	26815.7
50,0°	13899.6
55,0°	7372.9
60,0°	4910.7
65,0°	2259.0
70,0°	198.5
75,0°	0.0
80,0°	0.0
85,0°	0.0

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**Luminance values in cd/m<sup>2</sup>**     γ 65°   γ 70°   γ 75°   γ 80°   γ 85°     **siteco**



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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		
0	OFF	OFF	OFF	3390	26.5
1	ON	OFF	OFF	3180	24.4
2	OFF	ON	OFF	2970	22.4
3	ON	ON	OFF	2740	20.4
4	OFF	OFF	ON	2520	18.5
5	ON	OFF	ON	2290	16.5
6	OFF	ON	ON	2050	14.8
7	ON	ON	ON	1810	12.8