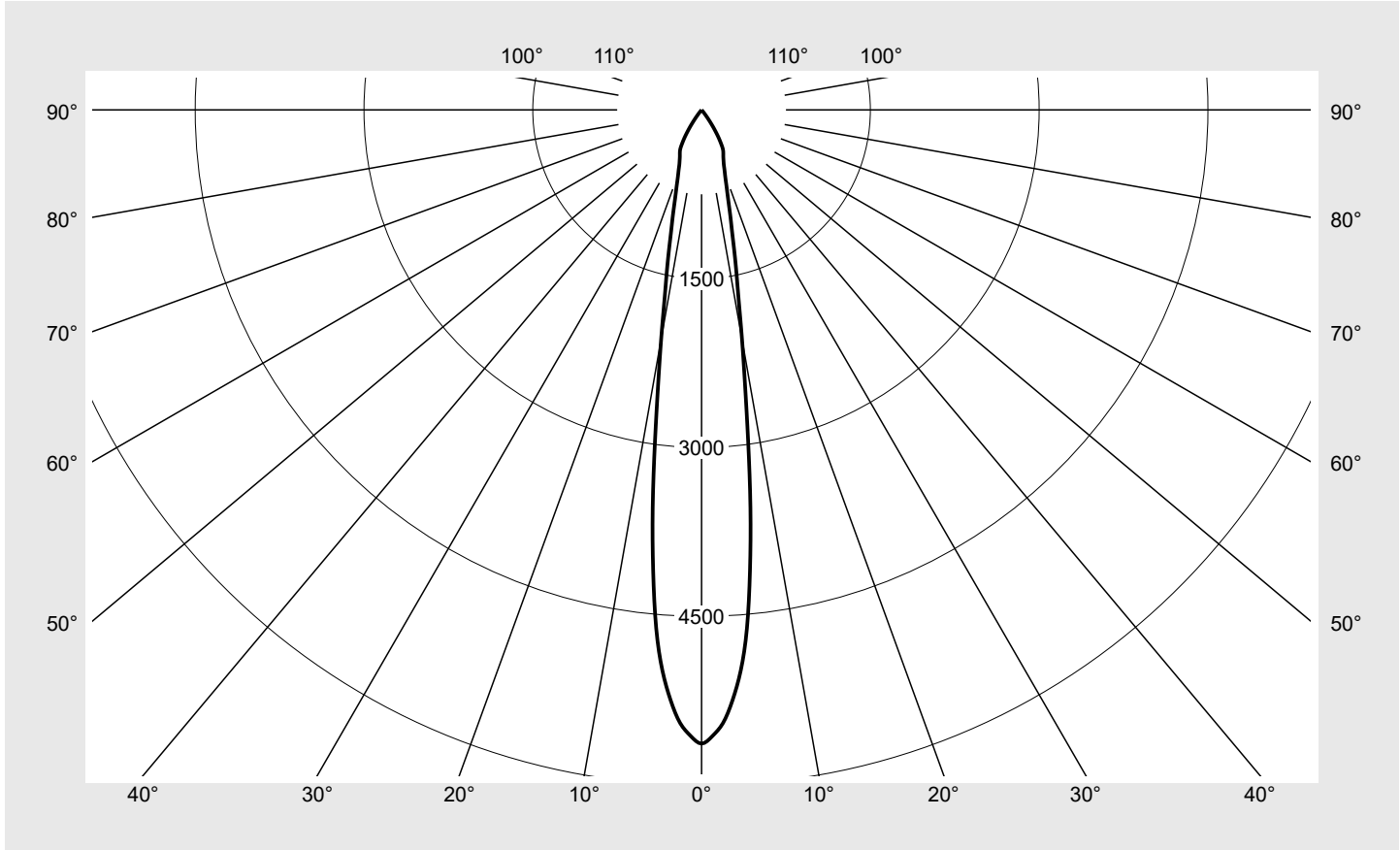


# Photometric test report

<b>Family</b> Spot 21	<b>Order number: 51SE32MBA5B</b> <b>EAN: 4058352716670</b>	<b>LP number</b> 59384_4
<b>Version</b>	reflector, cover panel, PC, narrow distribution	<b>serial documentation</b> 14.02.2023
<b>Lamps</b>	LED 2700 K   CRI ≥ 90	
<b>Controlgear</b>	ECG Multilumen	
<b>Setting</b>	factory setting: DIP-Step=14	
<b>Rated values</b>	Net luminous flux = 5040 lm Power consumption = 39.7 W Luminous efficacy = 127 lm/W	



**Luminous intensity in cd/klm** C180-0 **Imax: 5631 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=95 N2=98 N3=99 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

## Photometric test report

Family <b>Spot 21</b>	Order number: <b>51SE32MBA5B</b> EAN: <b>4058352716670</b>	LP number <b>59384_4</b>
Table of values for luminous intensities		Maximum luminous intensity
		<b>siteco</b>

C-planes	0°	Phi-zone	Total Phi-zone
$\gamma$	Luminous intensity in cd/klm		Luminous flux in lm/klm
0°	5630.9	1.3	1.3
1°	5563.8	10.6	12.0
2°	5452.3	20.9	32.9
3°	5253.2	30.1	63.0
4°	4992.9	38.2	101.2
5°	4624.7	44.2	145.4
6°	4116.1	47.2	192.6
7°	3563.6	47.6	240.2
8°	2975.5	45.4	285.6
9°	2466.1	42.3	327.9
10°	2068.6	39.4	367.3
11°	1734.5	36.3	403.6
12°	1497.3	34.1	437.8
13°	1298.1	32.0	469.8
14°	1124.5	29.8	499.6
15°	997.0	28.3	527.9
16°	883.3	26.7	554.6
17°	791.2	25.4	580.0
18°	719.9	24.4	604.4
19°	657.0	23.5	627.8
20°	607.4	22.8	650.6
21°	567.0	22.3	672.9
22°	528.8	21.7	694.6
23°	501.0	21.5	716.1
24°	477.4	21.3	737.4
25°	457.0	21.2	758.5
26°	440.6	21.2	779.7
27°	425.0	21.2	800.9
28°	408.0	21.0	821.9
29°	383.2	20.4	842.3
30°	346.7	19.0	861.3
31°	309.5	17.5	878.8
32°	269.8	15.7	894.4
33°	226.5	13.5	908.0
34°	186.7	11.4	919.4
35°	144.7	9.1	928.5
36°	108.4	7.0	935.5
37°	75.1	5.0	940.5
38°	48.0	3.2	943.7
39°	33.2	2.3	946.0
40°	25.7	1.8	947.8
41°	21.0	1.5	949.3
42°	18.4	1.3	950.7
43°	17.3	1.3	952.0
44°	16.5	1.3	953.2
45°	15.9	1.2	954.4
46°	15.7	1.2	955.7

C-planes	0°	Phi-zone	Total Phi-zone
$\gamma$	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	15.2	1.2	956.9
48°	15.2	1.2	958.1
49°	14.8	1.2	959.4
50°	14.9	1.3	960.6
51°	15.0	1.3	961.9
52°	15.1	1.3	963.2
53°	15.9	1.4	964.6
54°	16.8	1.5	966.1
55°	18.1	1.6	967.7
56°	19.7	1.8	969.5
57°	20.9	1.9	971.4
58°	21.3	2.0	973.4
59°	20.6	1.9	975.3
60°	18.8	1.8	977.1
61°	16.0	1.5	978.7
62°	13.5	1.3	980.0
63°	11.7	1.1	981.1
64°	10.7	1.1	982.2
65°	10.2	1.0	983.2
66°	9.8	1.0	984.2
67°	9.3	0.9	985.1
68°	9.1	0.9	986.0
69°	8.8	0.9	986.9
70°	8.5	0.9	987.8
71°	8.5	0.9	988.7
72°	8.6	0.9	989.6
73°	8.4	0.9	990.5
74°	8.1	0.9	991.3
75°	7.7	0.8	992.1
76°	7.8	0.8	993.0
77°	7.7	0.8	993.8
78°	7.1	0.8	994.6
79°	7.0	0.8	995.3
80°	6.6	0.7	996.0
81°	6.2	0.7	996.7
82°	5.6	0.6	997.3
83°	4.9	0.5	997.8
84°	4.2	0.5	998.3
85°	3.7	0.4	998.7
86°	3.1	0.3	999.1
87°	2.8	0.3	999.4
88°	2.2	0.2	999.6
89°	2.5	0.3	999.9
90°	2.2	0.2	1000.1

## Photometric test report

Family Spot 21	Order number: 51SE32MBA5B EAN: 4058352716670	LP number 59384_4
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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	20.7	21.7	21.0	22.0	22.3	20.7	21.7	21.0	22.0	22.3
	3H	21.2	22.0	21.6	22.3	22.7	21.2	22.0	21.6	22.3	22.7
	4H	21.5	22.3	21.9	22.6	23.0	21.5	22.3	21.9	22.6	23.0
	6H	21.9	22.7	22.3	23.1	23.5	21.9	22.7	22.3	23.1	23.5
	8H	22.4	23.0	22.8	23.4	23.8	22.4	23.0	22.8	23.4	23.8
	12H	22.5	23.2	22.9	23.6	24.0	22.5	23.2	22.9	23.6	24.0
4H	2H	20.7	21.5	21.1	21.9	22.3	20.7	21.5	21.1	21.9	22.3
	3H	21.4	22.0	21.8	22.4	22.8	21.4	22.0	21.8	22.4	22.8
	4H	21.9	22.5	22.4	22.9	23.4	21.9	22.5	22.4	22.9	23.4
	6H	22.6	23.2	23.0	23.6	24.1	22.6	23.2	23.0	23.6	24.1
	8H	23.1	23.6	23.6	24.0	24.5	23.1	23.6	23.6	24.0	24.5
	12H	23.3	23.8	23.8	24.3	24.8	23.3	23.8	23.8	24.3	24.8
8H	4H	22.2	22.6	22.6	23.1	23.5	22.2	22.6	22.6	23.1	23.5
	6H	23.2	23.6	23.8	24.0	24.6	23.2	23.6	23.8	24.0	24.6
	8H	23.7	24.0	24.2	24.5	25.0	23.7	24.0	24.2	24.5	25.0
	12H	24.0	24.4	24.5	24.9	25.4	24.0	24.4	24.5	24.9	25.4
12H	4H	22.1	22.6	22.6	23.0	23.5	22.1	22.6	22.6	23.0	23.5
	6H	23.1	23.6	23.6	24.1	24.6	23.1	23.6	23.6	24.1	24.6
	8H	23.7	24.1	24.2	24.6	25.1	23.7	24.1	24.2	24.6	25.1

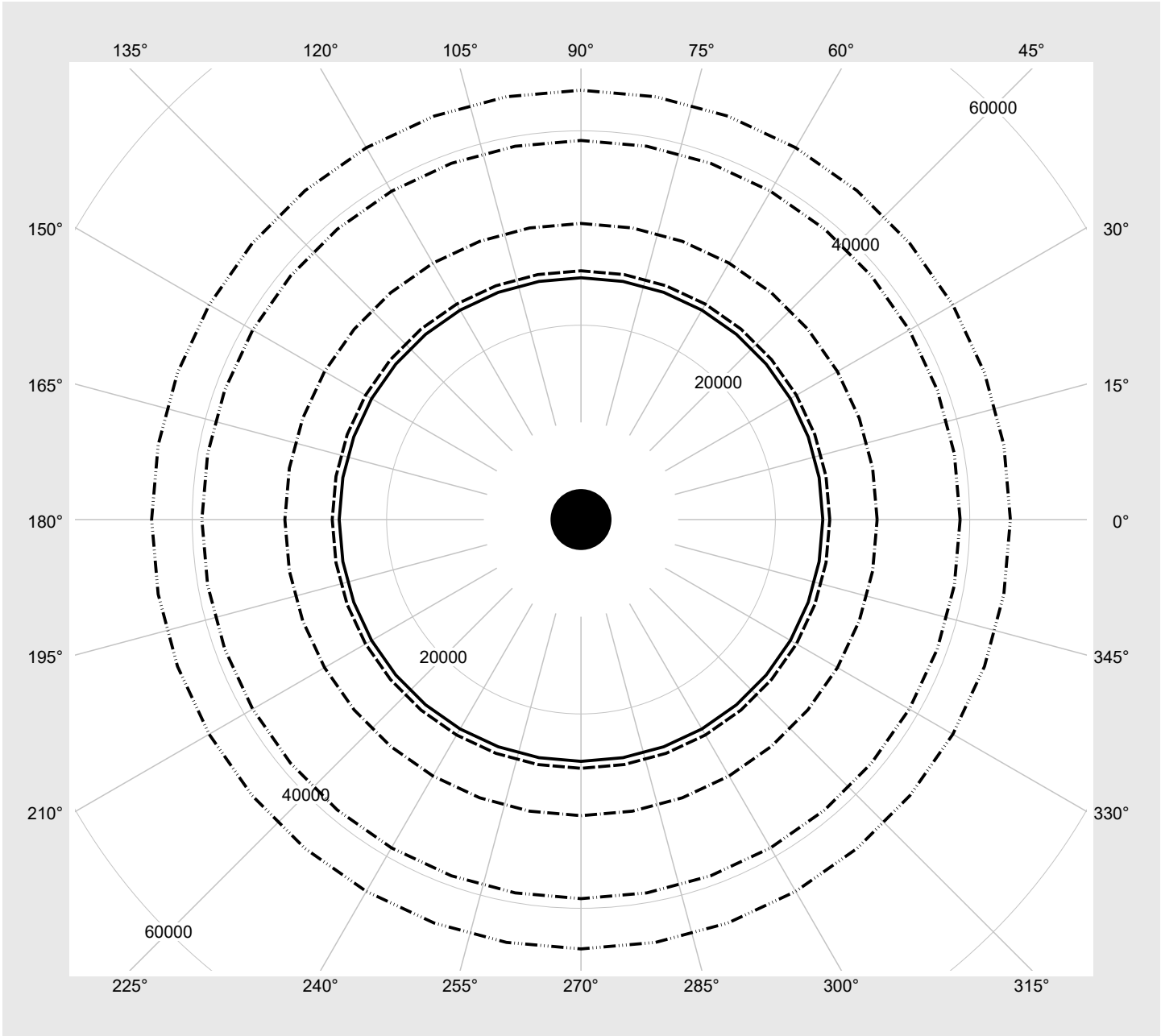
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 79
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C-planes	0°
$\gamma$	Luminance in cd/m <sup>2</sup>
45°	23075.5
50°	23813.7
55°	32533.0
60°	38611.8
65°	24882.1
70°	25598.8
75°	30470.9
80°	39009.5
85°	44181.7

**Photometric test report**

<b>Family</b> Spot 21	<b>Order number: 51SE32MBA5B</b> <b>EAN: 4058352716670</b>	<b>LP number</b> 59384_4
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**Luminance values in cd/m<sup>2</sup>**     γ 65°   γ 70°   γ 75°   γ 80°   γ 85°     **siteco**



## Photometric test report

<b>Family</b> Spot 21	<b>Order number: 51SE32MBA5B</b> <b>EAN: 4058352716670</b>	<b>LP number</b> 59384_4
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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		
15	ON	ON	ON	ON	5240	41.7
14	ON	ON	ON	OFF	5040	39.7
13	ON	ON	OFF	ON	4830	37.6
12	ON	ON	OFF	OFF	4620	35.5
11	ON	OFF	ON	ON	4370	33.4
10	ON	OFF	ON	OFF	4150	31.4
9	ON	OFF	OFF	ON	3920	29.4
8	ON	OFF	OFF	OFF	3680	27.3
7	OFF	ON	ON	ON	3480	25.8
6	OFF	ON	ON	OFF	3250	23.9
5	OFF	ON	OFF	ON	3000	21.9
4	OFF	ON	OFF	OFF	2760	20.0
3	OFF	OFF	ON	ON	2460	17.8
2	OFF	OFF	ON	OFF	2210	15.9
1	OFF	OFF	OFF	ON	1930	13.9
0	OFF	OFF	OFF	OFF	1660	12.0