

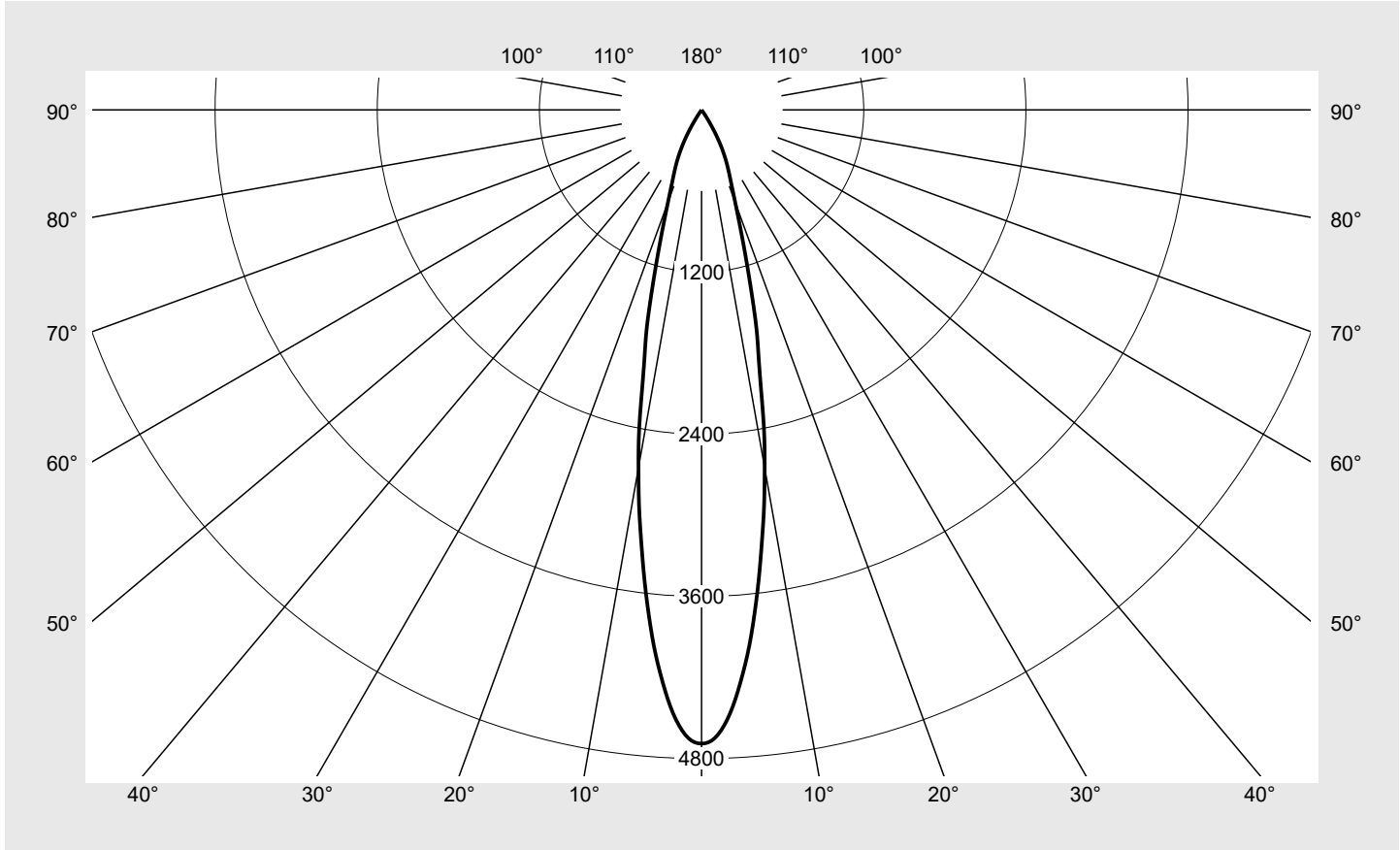


Photometric test report

Family Spot 21 Standard	Order number: 51SE32MB11C2C EAN: 4069025447395	LP number 59932_28										
	<table border="0"> <tr> <td>Version</td> <td>housing, black, reflector, cover glass, transparent, narrow distribution</td> </tr> <tr> <td>Lamps</td> <td>LED 3500 K CRI ≥ 90</td> </tr> <tr> <td>Controlgear</td> <td>ECG Multilumen</td> </tr> <tr> <td>Setting</td> <td>factory setting: DIP-Step=4</td> </tr> <tr> <td>Rated values</td> <td> Net luminous flux = 2880 lm Power consumption = 18.5 W Luminous efficacy = 155.7 lm/W </td> </tr> </table>	Version	housing, black, reflector, cover glass, transparent, narrow distribution	Lamps	LED 3500 K CRI ≥ 90	Controlgear	ECG Multilumen	Setting	factory setting: DIP-Step=4	Rated values	Net luminous flux = 2880 lm Power consumption = 18.5 W Luminous efficacy = 155.7 lm/W	serial documentation 11.05.2026 
Version	housing, black, reflector, cover glass, transparent, narrow distribution											
Lamps	LED 3500 K CRI ≥ 90											
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Rated values	Net luminous flux = 2880 lm Power consumption = 18.5 W Luminous efficacy = 155.7 lm/W											

Luminous intensity in cd/klm C180-0 **Imax: 4689 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=100 N2=100 N3=100 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
 DIN EN 13032 and DIN 5032

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sITeco

Table of values for luminous intensities	Maximum luminous intensity
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C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0°	4689.0	1.1	1.1
1°	4662.7	8.9	10.0
2°	4570.2	17.5	27.5
3°	4419.7	25.4	52.9
4°	4221.2	32.3	85.2
5°	4002.2	38.3	123.4
6°	3748.8	43.0	166.4
7°	3484.3	46.6	213.0
8°	3214.3	49.1	262.0
9°	2959.0	50.8	312.8
10°	2688.0	51.2	364.0
11°	2425.9	50.8	414.7
12°	2119.1	48.3	463.1
13°	1876.2	46.3	509.3
14°	1687.1	44.8	554.1
15°	1466.8	133.0	687.1
20°	726.5	136.2	823.3
25°	445.9	103.3	926.6
30°	219.5	60.2	986.8
35°	21.0	6.6	993.4
40°	7.3	2.6	995.9
45°	3.6	1.4	997.3
50°	2.0	0.8	998.2
55°	1.5	0.7	998.9
60°	1.1	0.5	999.4
65°	0.7	0.4	999.7
70°	0.4	0.2	999.9
75°	0.1	0.1	1000.0
80°	0.0	0.0	1000.0
85°	0.0	0.0	1000.0
90°	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	10.0	10.9	10.4	11.2	11.6	10.0	10.9	10.4	11.2	11.6
	3H	9.9	10.7	10.3	11.0	11.4	9.9	10.7	10.3	11.0	11.4
	4H	9.8	10.5	10.2	10.8	11.2	9.8	10.5	10.2	10.8	11.2
	6H	9.6	10.3	10.1	10.7	11.1	9.6	10.3	10.1	10.7	11.1
	8H	9.7	10.2	10.1	10.6	11.0	9.7	10.2	10.1	10.6	11.0
	12H	9.6	10.1	10.1	10.5	10.9	9.6	10.1	10.1	10.5	10.9
4H	2H	9.7	10.5	10.1	10.8	11.2	9.7	10.5	10.1	10.8	11.2
	3H	9.5	10.2	10.0	10.5	11.0	9.5	10.2	10.0	10.5	11.0
	4H	9.4	10.0	9.9	10.4	10.8	9.4	10.0	9.9	10.4	10.8
	6H	9.3	9.8	9.7	10.2	10.7	9.3	9.8	9.7	10.2	10.7
	8H	9.3	9.6	9.7	10.1	10.6	9.3	9.6	9.7	10.1	10.6
	12H	9.2	9.5	9.7	10.0	10.5	9.2	9.5	9.7	10.0	10.5
8H	4H	9.3	9.7	9.7	10.1	10.6	9.3	9.7	9.7	10.1	10.6
	6H	9.1	9.4	9.6	9.9	10.4	9.1	9.4	9.6	9.9	10.4
	8H	9.0	9.3	9.5	9.8	10.3	9.0	9.3	9.5	9.8	10.3
	12H	8.9	9.2	9.4	9.7	10.3	8.9	9.2	9.4	9.7	10.3
12H	4H	9.2	9.5	9.7	10.0	10.5	9.2	9.5	9.7	10.0	10.5
	6H	9.0	9.3	9.5	9.8	10.3	9.0	9.3	9.5	9.8	10.3
	8H	8.9	9.2	9.4	9.7	10.3	8.9	9.2	9.4	9.7	10.3



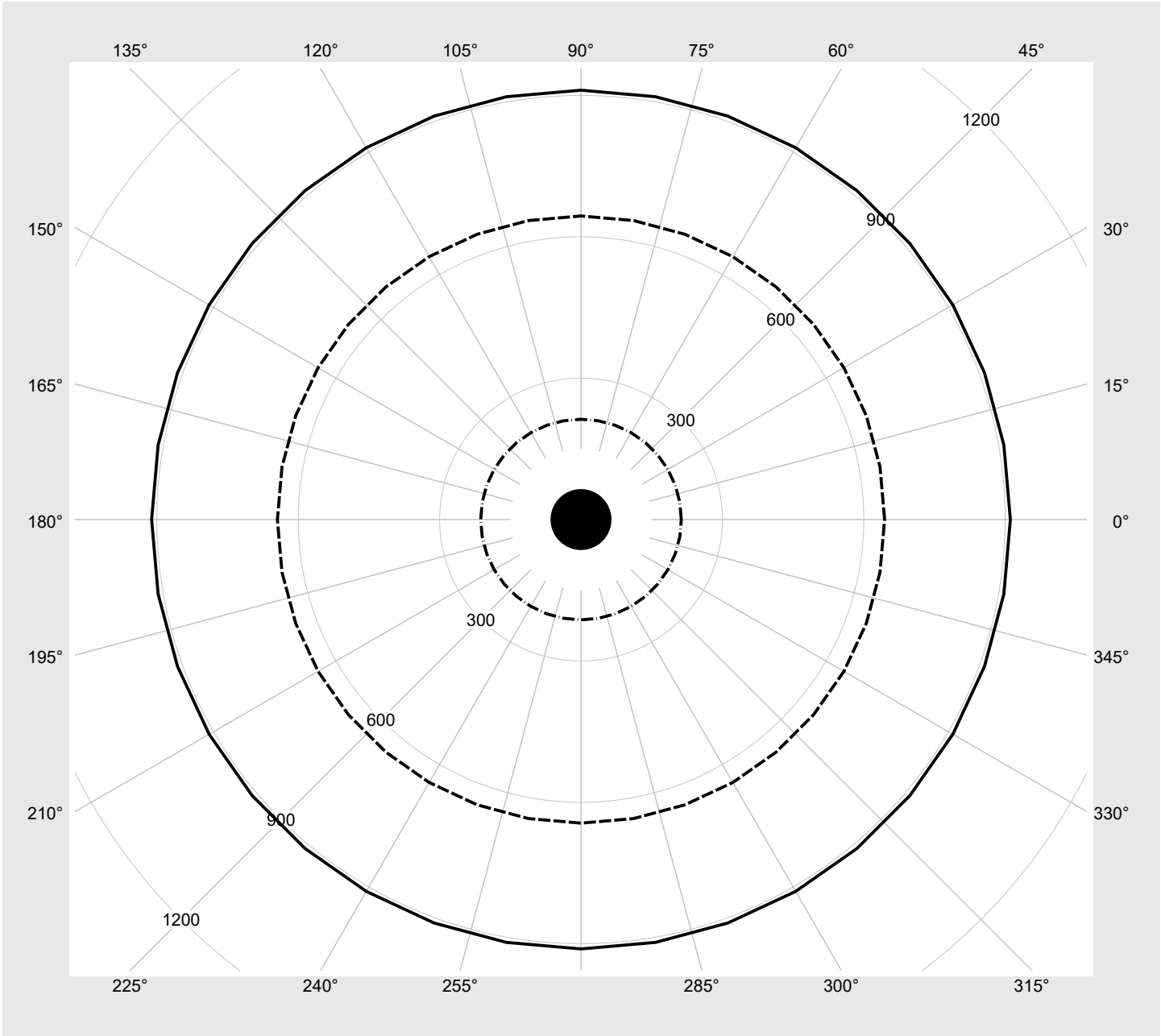
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
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C-planes	0°
γ	Luminance in cd/m^2
45°	2801.1
50°	1712.1
55°	1438.5
60°	1210.7
65°	911.0
70°	644.2
75°	212.8
80°	0.0
85°	0.0

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°



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Multilumen Table	environmental temperature: 25°C	sITeco
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
0	OFF	OFF	OFF	3880	26.5
1	ON	OFF	OFF	3640	24.5
2	OFF	ON	OFF	3390	22.5
3	ON	ON	OFF	3140	20.5
4	OFF	OFF	ON	2880	18.5
5	ON	OFF	ON	2610	16.6
6	OFF	ON	ON	2340	14.8
7	ON	ON	ON	2070	12.9