

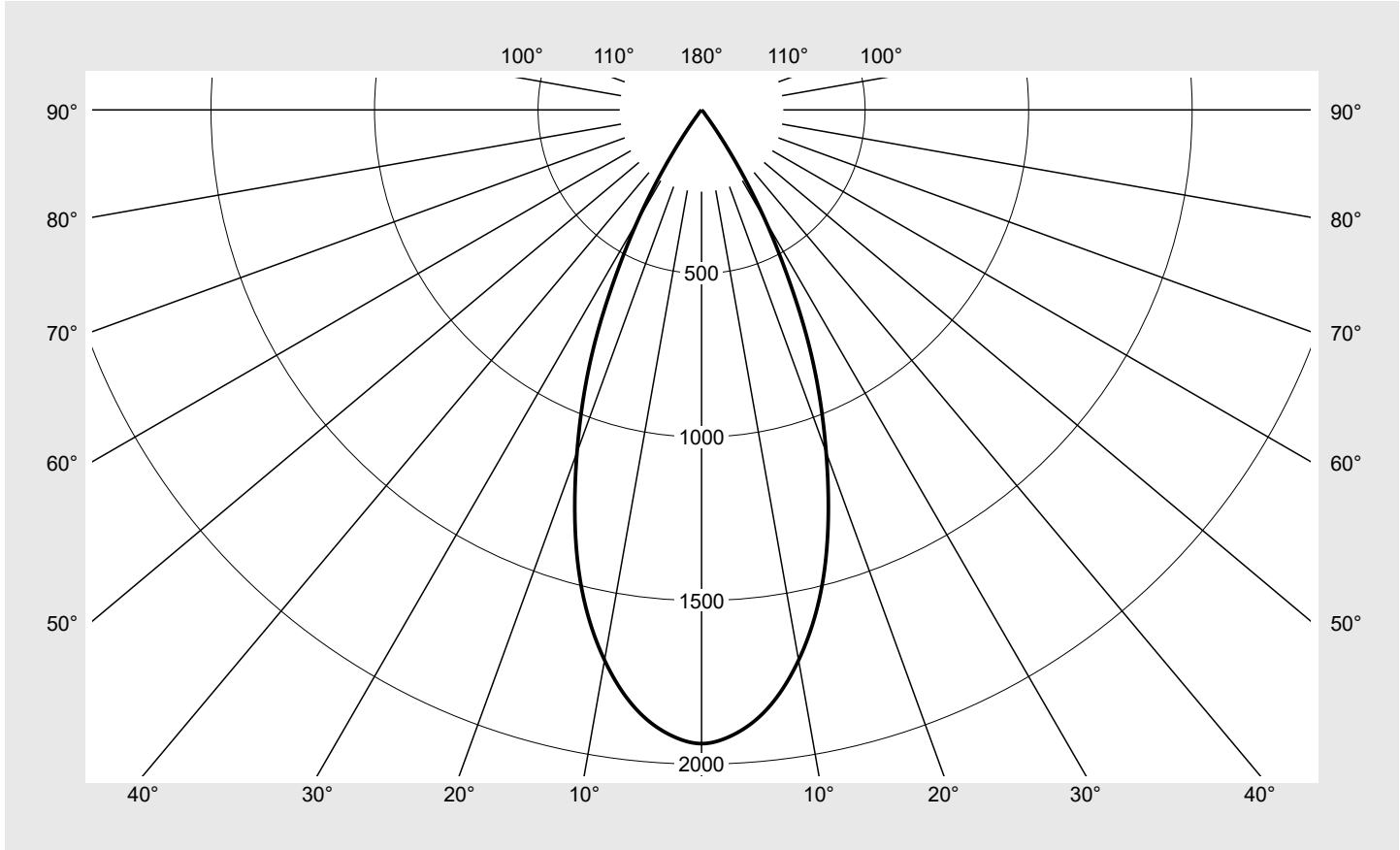


Photometric test report

Family Spot 21 Performance	Order number: 51SD34DB11D3B EAN: 4069025538901	LP number 59946_12										
	<table border="0"> <tr> <td>Version</td> <td>housing, black, reflector, cover glass, transparent, wide distribution</td> </tr> <tr> <td>Lamps</td> <td>LED 4000 K CRI ≥ 90</td> </tr> <tr> <td>Controlgear</td> <td>ECG-DALI-Multilumen</td> </tr> <tr> <td>Setting</td> <td>factory setting: DIP-Step=7</td> </tr> <tr> <td>Rated values</td> <td> Net luminous flux = 3040 lm Power consumption = 20.4 W Luminous efficacy = 149 lm/W </td> </tr> </table>	Version	housing, black, reflector, cover glass, transparent, wide distribution	Lamps	LED 4000 K CRI ≥ 90	Controlgear	ECG-DALI-Multilumen	Setting	factory setting: DIP-Step=7	Rated values	Net luminous flux = 3040 lm Power consumption = 20.4 W Luminous efficacy = 149 lm/W	serial documentation 11.05.2026 
Version	housing, black, reflector, cover glass, transparent, wide distribution											
Lamps	LED 4000 K CRI ≥ 90											
Controlgear	ECG-DALI-Multilumen											
Setting	factory setting: DIP-Step=7											
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Luminous intensity in cd/klm C180-0 **Imax: 1937 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=99 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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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	
0,0°	1937.4	2.9	2.9
2,5°	1918.5	22.9	25.8
5,0°	1874.2	44.8	70.6
7,5°	1803.7	64.5	135.2
10,0°	1708.3	81.3	216.5
12,5°	1592.6	94.5	311.0
15,0°	1453.4	103.1	414.1
17,5°	1289.1	106.3	520.4
20,0°	1113.4	104.4	624.7
22,5°	938.6	98.5	723.2
25,0°	755.5	87.5	810.7
27,5°	560.7	71.0	881.7
30,0°	388.9	53.3	935.0
32,5°	229.8	33.8	968.9
35,0°	101.6	16.0	984.8
37,5°	29.4	4.9	989.7
40,0°	14.2	2.5	992.2
42,5°	9.4	1.7	994.0
45,0°	6.8	1.3	995.3
47,5°	5.0	1.0	996.3
50,0°	3.8	0.8	997.1
52,5°	2.9	0.6	997.8
55,0°	2.3	0.5	998.3
57,5°	1.9	0.4	998.7
60,0°	1.5	0.4	999.1
62,5°	1.2	0.3	999.4
65,0°	0.9	0.2	999.6
67,5°	0.7	0.2	999.8
70,0°	0.5	0.1	999.9
72,5°	0.3	0.1	1000.0
75,0°	0.1	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	16.3	17.3	16.7	17.6	17.9	16.3	17.3	16.7	17.6	17.9
	3H	16.1	17.0	16.5	17.4	17.7	16.1	17.0	16.5	17.4	17.7
	4H	16.0	16.8	16.4	17.2	17.6	16.0	16.8	16.4	17.2	17.6
	6H	16.0	16.7	16.4	17.0	17.4	16.0	16.7	16.4	17.0	17.4
	8H	16.1	16.6	16.5	17.0	17.4	16.1	16.6	16.5	17.0	17.4
	12H	16.0	16.5	16.5	16.9	17.3	16.0	16.5	16.5	16.9	17.3
4H	2H	16.0	16.8	16.4	17.2	17.6	16.0	16.8	16.4	17.2	17.6
	3H	15.8	16.5	16.3	16.9	17.3	15.8	16.5	16.3	16.9	17.3
	4H	15.7	16.3	16.2	16.7	17.2	15.7	16.3	16.2	16.7	17.2
	6H	15.6	16.1	16.1	16.5	17.0	15.6	16.1	16.1	16.5	17.0
	8H	15.6	16.0	16.1	16.5	16.9	15.6	16.0	16.1	16.5	16.9
	12H	15.6	15.9	16.1	16.4	16.9	15.6	15.9	16.1	16.4	16.9
8H	4H	15.6	16.0	16.1	16.5	16.9	15.6	16.0	16.1	16.5	16.9
	6H	15.5	15.8	16.0	16.3	16.8	15.5	15.8	16.0	16.3	16.8
	8H	15.4	15.7	15.9	16.2	16.7	15.4	15.7	15.9	16.2	16.7
	12H	15.3	15.6	15.9	16.1	16.6	15.3	15.6	15.9	16.1	16.6
12H	4H	15.6	15.9	16.1	16.4	16.9	15.6	15.9	16.1	16.4	16.9
	6H	15.4	15.7	15.9	16.2	16.7	15.4	15.7	15.9	16.2	16.7
	8H	15.3	15.6	15.9	16.1	16.6	15.3	15.6	15.9	16.1	16.6

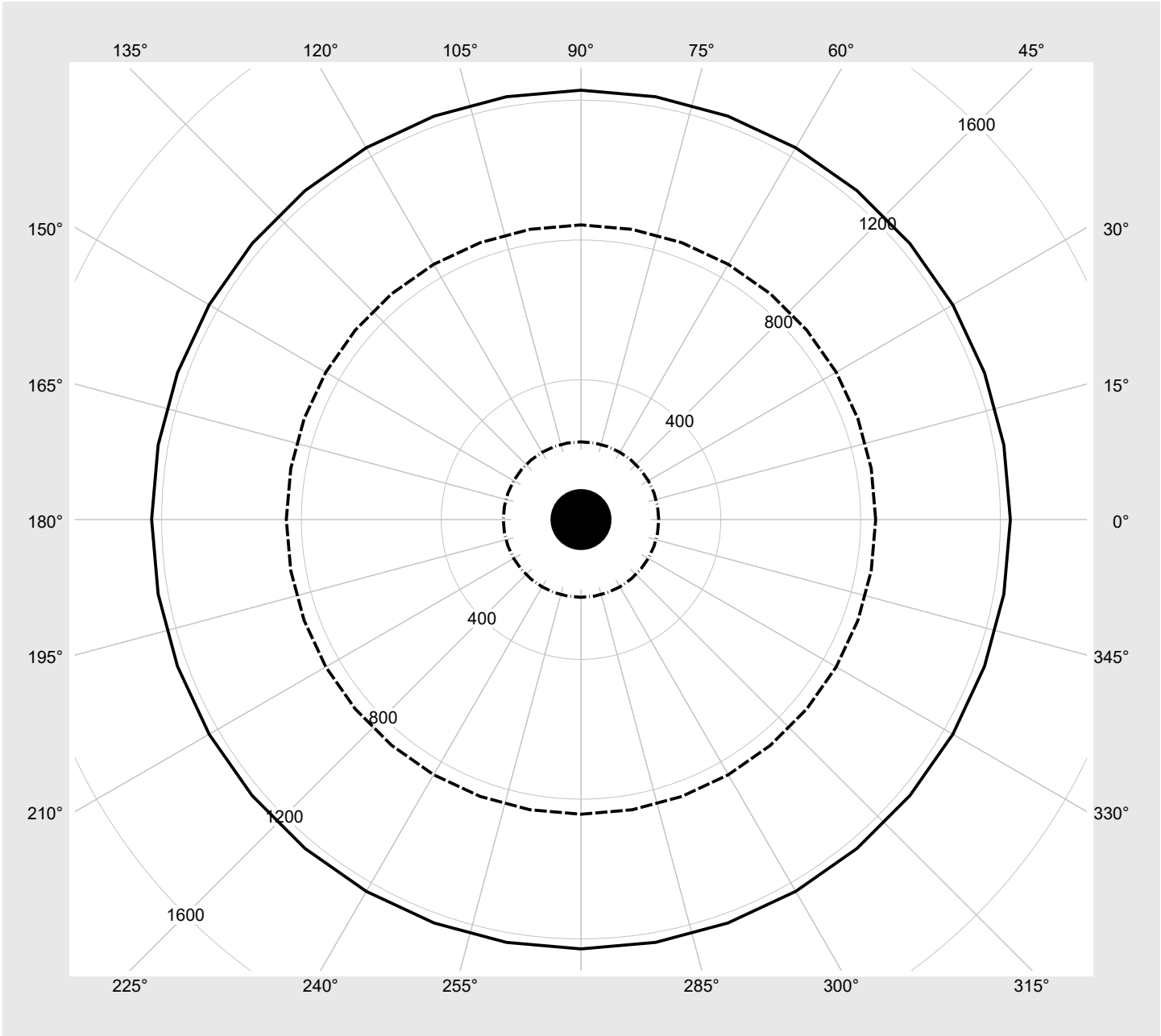
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
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C-planes	0°
γ	Luminance in cd/m ²
45,0°	5550.4
50,0°	3412.0
55,0°	2314.3
60,0°	1731.5
65,0°	1228.6
70,0°	843.2
75,0°	222.4
80,0°	0.0
85,0°	0.0

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



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Multilumen Table	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	4170	28.6
10	ON	OFF	ON	OFF	3890	26.4
9	ON	OFF	OFF	ON	3610	24.4
8	ON	OFF	OFF	OFF	3330	22.3
7	OFF	ON	ON	ON	3040	20.4
6	OFF	ON	ON	OFF	2750	18.3
5	OFF	ON	OFF	ON	2450	16.2
4	OFF	ON	OFF	OFF	2160	14.3
3	OFF	OFF	ON	ON	1850	12.2
2	OFF	OFF	ON	OFF	1550	10.4
1	OFF	OFF	OFF	ON	1240	8.5
0	OFF	OFF	OFF	OFF	920	6.6