

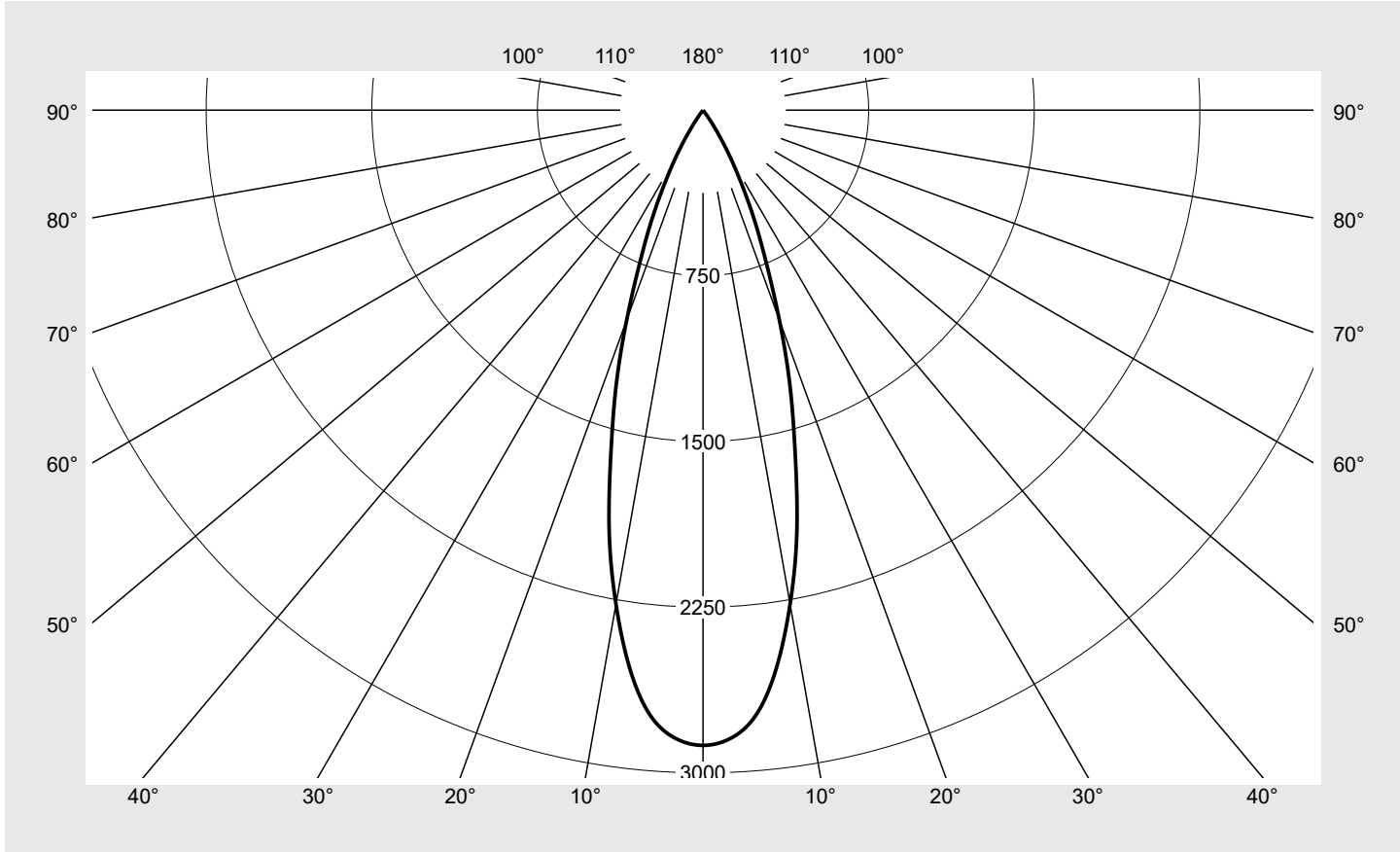


Photometric test report

Family Spot 21 Performance	Order number: 51SD33DB11D3B EAN: 4069025538710	LP number 59945_12										
	<table border="0"> <tr> <td>Version</td> <td>housing, black, reflector, cover glass, transparent, medium 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 = 3030 lm Power consumption = 20.4 W Luminous efficacy = 148.5 lm/W</td> </tr> </table>	Version	housing, black, reflector, cover glass, transparent, medium distribution	Lamps	LED 4000 K CRI ≥ 90	Controlgear	ECG-DALI-Multilumen	Setting	factory setting: DIP-Step=7	Rated values	Net luminous flux = 3030 lm Power consumption = 20.4 W Luminous efficacy = 148.5 lm/W	serial documentation 11.05.2026 
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Lamps	LED 4000 K CRI ≥ 90											
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Luminous intensity in cd/klm C180-0 **Imax: 2875 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°	2875.4	4.3	4.3
2,5°	2846.8	34.0	38.3
5,0°	2749.2	65.7	104.0
7,5°	2546.8	91.1	195.2
10,0°	2270.6	108.1	303.2
12,5°	1962.1	116.4	419.7
15,0°	1613.1	114.4	534.1
17,5°	1309.8	108.0	642.1
20,0°	1010.8	94.8	736.9
22,5°	749.1	78.6	815.4
25,0°	553.8	64.2	879.6
27,5°	382.5	48.4	928.0
30,0°	247.7	34.0	962.0
32,5°	136.4	20.1	982.0
35,0°	55.9	8.8	990.8
37,5°	13.7	2.3	993.1
40,0°	8.1	1.4	994.5
42,5°	5.6	1.0	995.6
45,0°	4.1	0.8	996.4
47,5°	3.1	0.6	997.0
50,0°	2.4	0.5	997.5
52,5°	2.0	0.4	998.0
55,0°	1.8	0.4	998.4
57,5°	1.7	0.4	998.8
60,0°	1.4	0.3	999.1
62,5°	1.1	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	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	12.7	13.7	13.1	14.0	14.3	12.7	13.7	13.1	14.0	14.3
	3H	12.5	13.4	12.9	13.7	14.1	12.5	13.4	12.9	13.7	14.1
	4H	12.4	13.2	12.8	13.5	13.9	12.4	13.2	12.8	13.5	13.9
	6H	12.4	13.0	12.8	13.4	13.8	12.4	13.0	12.8	13.4	13.8
	8H	12.5	12.9	12.9	13.3	13.7	12.5	12.9	12.9	13.3	13.7
	12H	12.4	12.8	12.8	13.2	13.7	12.4	12.8	12.8	13.2	13.7
4H	2H	12.4	13.2	12.8	13.5	13.9	12.4	13.2	12.8	13.5	13.9
	3H	12.2	12.9	12.7	13.3	13.7	12.2	12.9	12.7	13.3	13.7
	4H	12.1	12.7	12.6	13.1	13.5	12.1	12.7	12.6	13.1	13.5
	6H	12.0	12.5	12.5	12.9	13.4	12.0	12.5	12.5	12.9	13.4
	8H	12.0	12.4	12.5	12.8	13.3	12.0	12.4	12.5	12.8	13.3
	12H	11.9	12.2	12.4	12.7	13.2	11.9	12.2	12.4	12.7	13.2
8H	4H	12.0	12.4	12.5	12.8	13.3	12.0	12.4	12.5	12.8	13.3
	6H	11.8	12.1	12.3	12.6	13.1	11.8	12.1	12.3	12.6	13.1
	8H	11.8	12.0	12.3	12.5	13.1	11.8	12.0	12.3	12.5	13.1
	12H	11.7	11.9	12.2	12.4	13.0	11.7	11.9	12.2	12.4	13.0
12H	4H	12.0	12.2	12.4	12.7	13.2	12.0	12.2	12.4	12.7	13.2
	6H	11.8	12.0	12.3	12.5	13.1	11.8	12.0	12.3	12.5	13.1
	8H	11.7	11.9	12.2	12.4	13.0	11.7	11.9	12.2	12.4	13.0

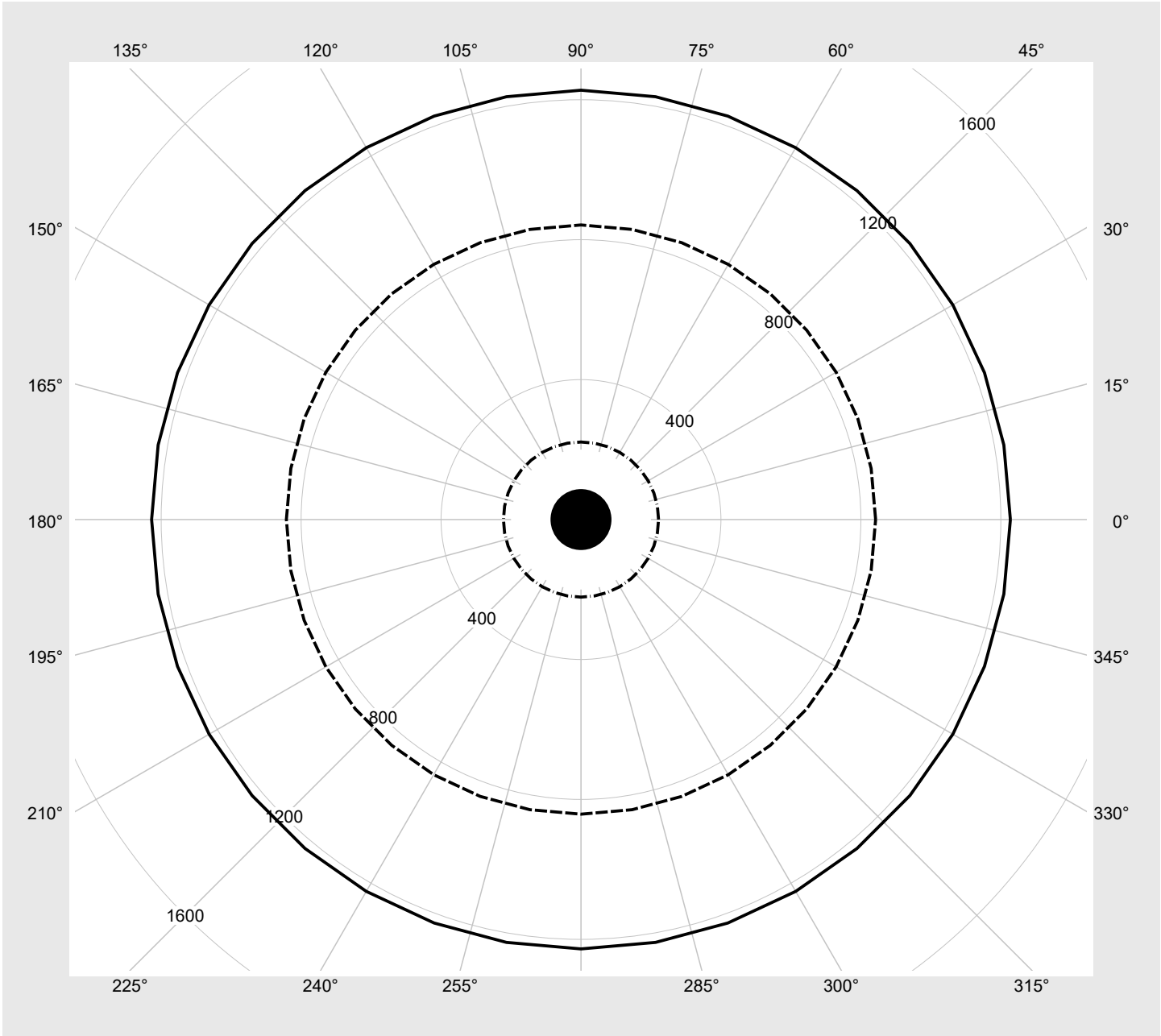
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
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C-planes	0°
γ	Luminance in cd/m²
45,0°	3340.6
50,0°	2151.2
55,0°	1807.6
60,0°	1613.4
65,0°	1227.3
70,0°	842.1
75,0°	221.7
80,0°	0.0
85,0°	0.0

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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	4160	28.6
10	ON	OFF	ON	OFF	3880	26.4
9	ON	OFF	OFF	ON	3600	24.4
8	ON	OFF	OFF	OFF	3320	22.3
7	OFF	ON	ON	ON	3030	20.4
6	OFF	ON	ON	OFF	2740	18.3
5	OFF	ON	OFF	ON	2450	16.2
4	OFF	ON	OFF	OFF	2150	14.3
3	OFF	OFF	ON	ON	1850	12.2
2	OFF	OFF	ON	OFF	1540	10.4
1	OFF	OFF	OFF	ON	1230	8.5
0	OFF	OFF	OFF	OFF	920	6.6