

## Photometric test report

### Family Spot 21 Performance

**Order number: 51SD63MB11D3B**  
**EAN: 4069025539199**

**LP number**  
**59947\_9**



<b>Version</b>	housing, white aluminium, reflector, cover glass, transparent, medium distribution
<b>Lamps</b>	LED 4000 K   CRI ≥ 90
<b>Controlgear</b>	ECG Multilumen
<b>Setting</b>	factory setting: DIP-Step=4
<b>Rated values</b>	Net luminous flux = 3050 lm Power consumption = 19.1 W Luminous efficacy = 159.7 lm/W

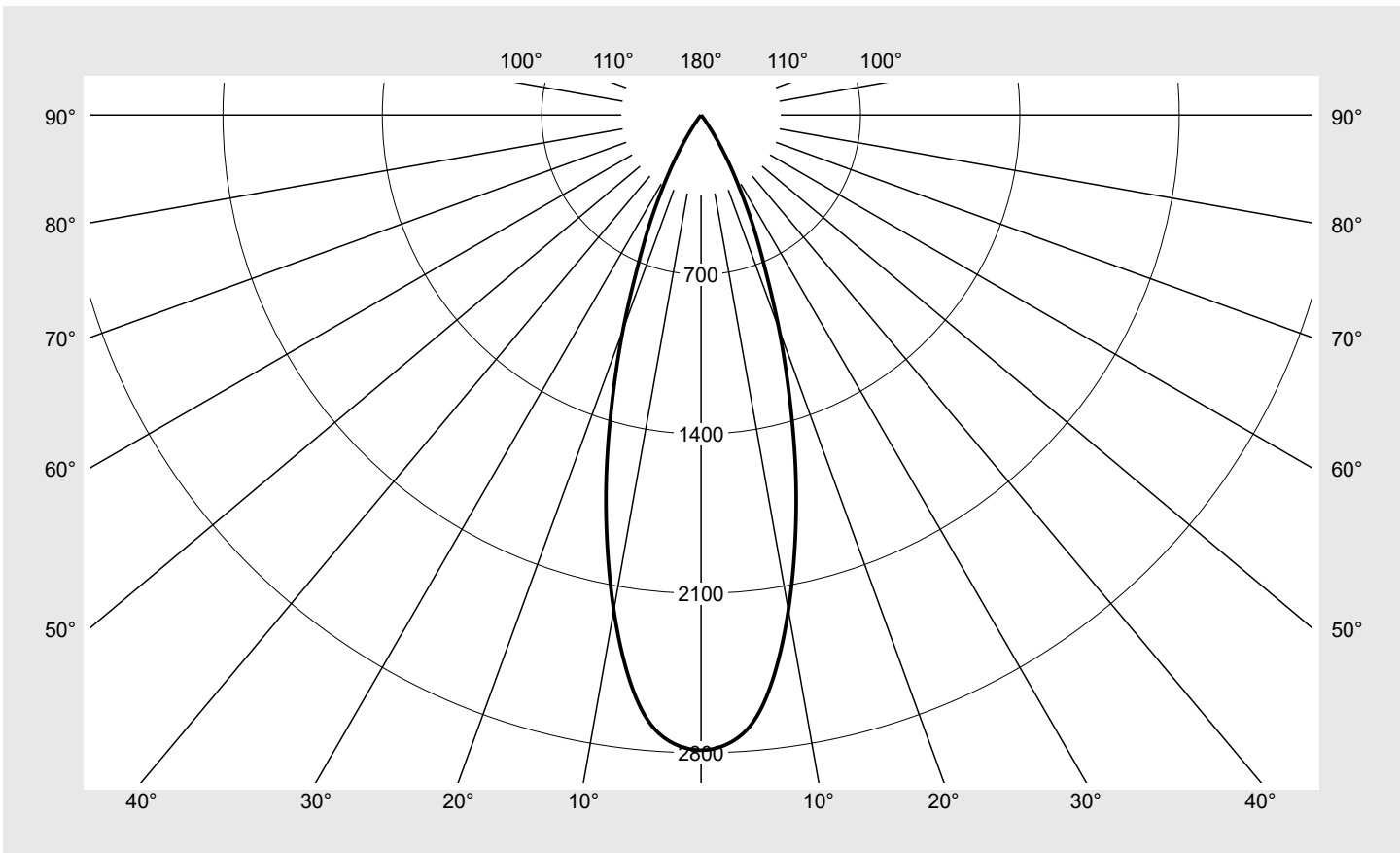
**serial**  
**documentation**  
**11.05.2026**

**sITeco**

**Luminous intensity in cd/klm**

**C180-0**

**Imax: 2789 cd/klm**



#### Classifications

DIN 5040 A 8 0  
CIE N1=98 N2=99 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°	2788.8	4.2	4.2
2,5°	2761.7	33.0	37.2
5,0°	2669.2	63.8	101.0
7,5°	2473.6	88.5	189.5
10,0°	2207.5	105.1	294.6
12,5°	1910.1	113.3	407.9
15,0°	1602.2	113.7	521.6
17,5°	1286.8	106.1	627.6
20,0°	1001.4	93.9	721.5
22,5°	740.7	77.7	799.2
25,0°	547.9	63.5	862.7
27,5°	378.7	47.9	910.6
30,0°	246.7	33.8	944.5
32,5°	137.4	20.2	964.7
35,0°	59.8	9.4	974.1
37,5°	19.1	3.2	977.3
40,0°	13.3	2.3	979.6
42,5°	10.8	2.0	981.6
45,0°	9.2	1.8	983.4
47,5°	8.0	1.6	985.0
50,0°	7.2	1.5	986.6
52,5°	6.6	1.4	988.0
55,0°	6.3	1.4	989.4
57,5°	6.0	1.4	990.8
60,0°	5.7	1.4	992.2
62,5°	5.3	1.3	993.5
65,0°	4.9	1.2	994.7
67,5°	4.4	1.1	995.8
70,0°	3.9	1.0	996.8
72,5°	3.4	0.9	997.7
75,0°	2.7	0.7	998.4
77,5°	2.1	0.6	999.0
80,0°	1.6	0.4	999.4
82,5°	1.1	0.3	999.7
85,0°	0.7	0.2	999.9
87,5°	0.3	0.1	1000.0
90,0°	0.0	0.0	1000.0

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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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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	13.6	14.6	13.9	14.9	15.2	13.6	14.6	13.9	14.9	15.2
	3H	14.0	14.8	14.3	15.2	15.5	14.0	14.8	14.3	15.2	15.5
	4H	14.2	14.9	14.6	15.3	15.7	14.2	14.9	14.6	15.3	15.7
	6H	14.3	15.0	14.7	15.4	15.8	14.3	15.0	14.7	15.4	15.8
	8H	14.5	15.0	14.9	15.4	15.8	14.5	15.0	14.9	15.4	15.8
	12H	14.5	15.0	14.9	15.4	15.8	14.5	15.0	14.9	15.4	15.8
4H	2H	13.6	14.3	14.0	14.7	15.1	13.6	14.3	14.0	14.7	15.1
	3H	14.1	14.8	14.5	15.1	15.6	14.1	14.8	14.5	15.1	15.6
	4H	14.4	15.0	14.9	15.4	15.8	14.4	15.0	14.9	15.4	15.8
	6H	14.6	15.1	15.1	15.6	16.0	14.6	15.1	15.1	15.6	16.0
	8H	14.8	15.1	15.2	15.6	16.1	14.8	15.1	15.2	15.6	16.1
	12H	14.8	15.1	15.3	15.6	16.1	14.8	15.1	15.3	15.6	16.1
8H	4H	14.5	14.9	15.0	15.3	15.8	14.5	14.9	15.0	15.3	15.8
	6H	14.8	15.1	15.3	15.6	16.1	14.8	15.1	15.3	15.6	16.1
	8H	14.9	15.2	15.4	15.7	16.2	14.9	15.2	15.4	15.7	16.2
	12H	15.0	15.2	15.5	15.7	16.3	15.0	15.2	15.5	15.7	16.3
12H	4H	14.5	14.8	15.0	15.3	15.8	14.5	14.8	15.0	15.3	15.8
	6H	14.8	15.1	15.3	15.6	16.1	14.8	15.1	15.3	15.6	16.1
	8H	14.9	15.1	15.5	15.7	16.2	14.9	15.1	15.5	15.7	16.2

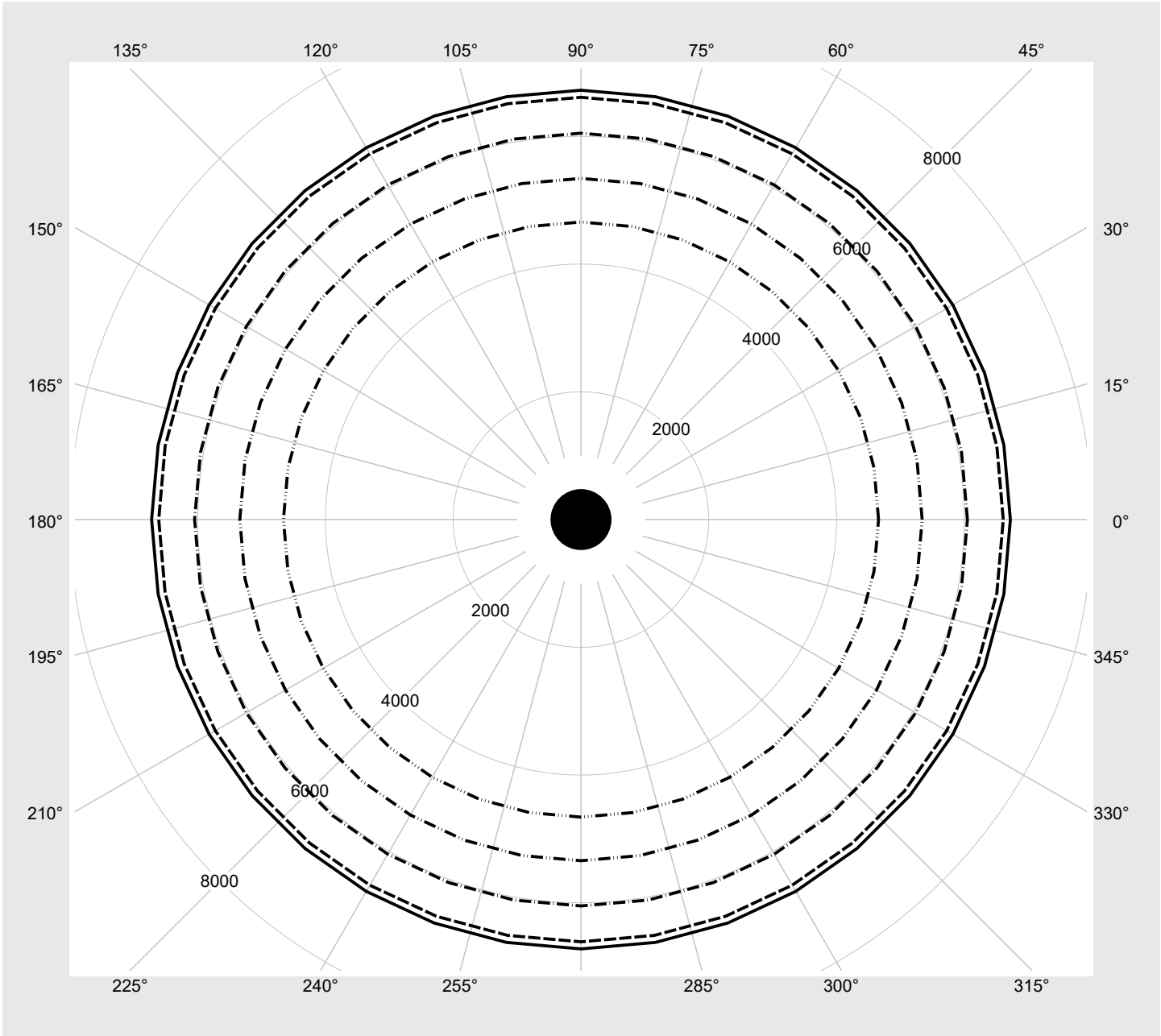
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm: D = 82</b>
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<b>C-planes</b>	<b>0°</b>
$\gamma$	<b>Luminance in cd/m<sup>2</sup></b>
45,0°	7543.6
50,0°	6494.3
55,0°	6368.7
60,0°	6609.4
65,0°	6722.2
70,0°	6610.9
75,0°	6049.4
80,0°	5341.4
85,0°	4658.5

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**Luminance values in cd/m<sup>2</sup>**       $\gamma$  65°       $\gamma$  70°       $\gamma$  75°       $\gamma$  80°       $\gamma$  85°



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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	4190	27.0
1	ON	OFF	OFF	3910	25.0
2	OFF	ON	OFF	3630	23.0
3	ON	ON	OFF	3340	21.0
4	OFF	OFF	ON	3050	19.1
5	ON	OFF	ON	2760	17.1
6	OFF	ON	ON	2470	15.2
7	ON	ON	ON	2170	13.4