

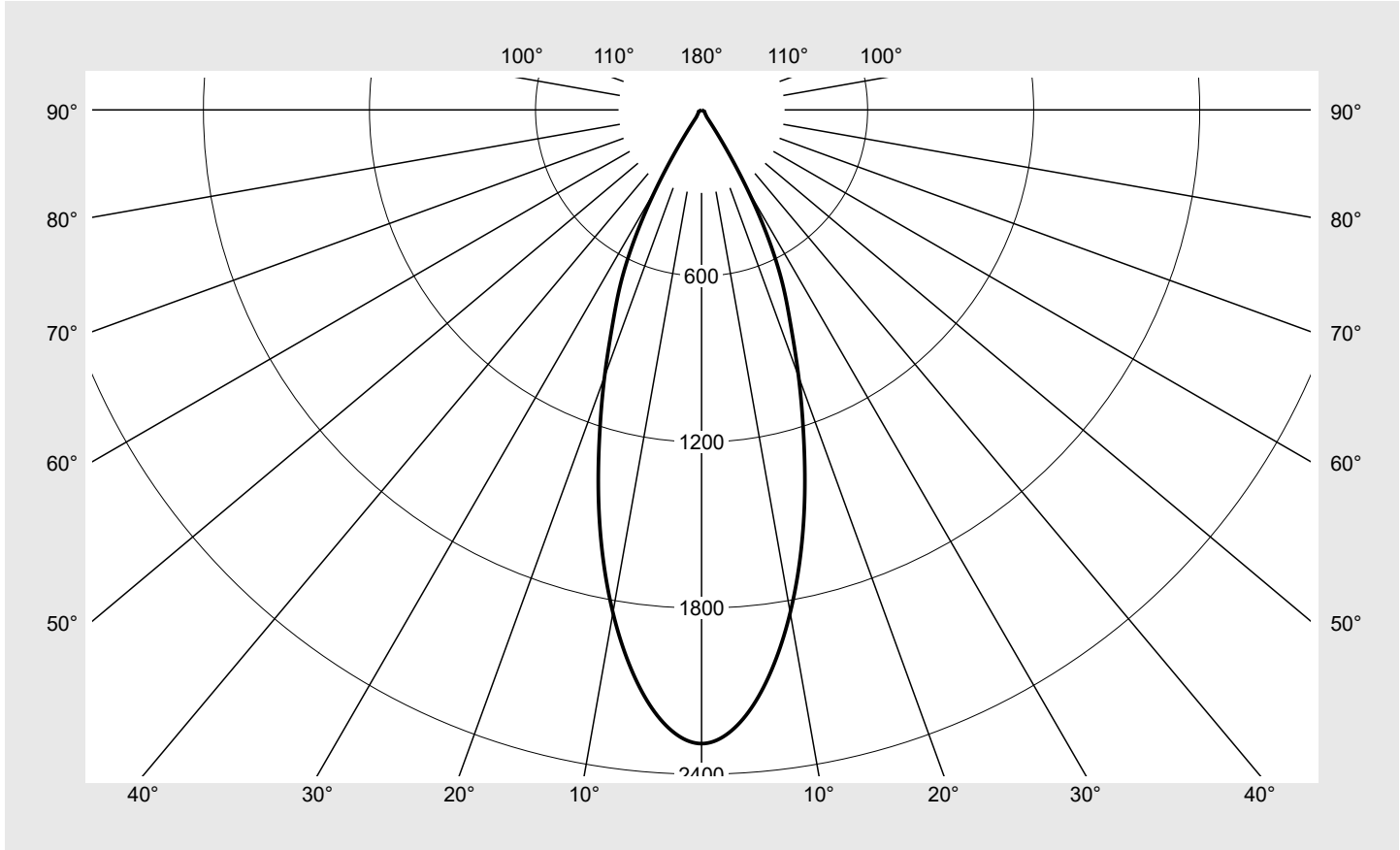


# Photometric test report

<b>Family</b> <b>Spot 21 Standard</b>	<b>Order number: 51SE13DB11A2C</b> <b>EAN: 4069025446961</b>	<b>LP number</b> <b>59929_31</b>
	<b>Version</b> housing, white, reflector, cover glass, transparent, medium distribution	<b>serial documentation</b> <b>11.05.2026</b>
	<b>Lamps</b> LED 2700 K   CRI ≥ 90	
<b>Controlgear</b> ECG-DALI-Multilumen		
<b>Setting</b> factory setting: DIP-Step=7		
<b>Rated values</b> Net luminous flux = 2770 lm Power consumption = 19.8 W Luminous efficacy = 139.9 lm/W		

**Luminous intensity in cd/klm** C180-0 **Imax: 2290 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=96 N2=98 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°	2289.5	3.4	3.4
2,5°	2252.9	26.9	30.4
5,0°	2156.9	51.5	81.9
7,5°	2016.0	72.1	154.0
10,0°	1844.4	87.8	241.8
12,5°	1650.3	97.9	339.8
15,0°	1440.1	102.2	441.9
17,5°	1224.6	100.9	542.9
20,0°	1024.7	96.1	639.0
22,5°	841.7	88.3	727.2
25,0°	691.4	80.1	807.3
27,5°	518.9	65.7	873.0
30,0°	329.4	45.2	918.2
32,5°	151.6	22.3	940.5
35,0°	46.4	7.3	947.8
37,5°	28.4	4.7	952.6
40,0°	23.2	4.1	956.6
42,5°	20.2	3.7	960.4
45,0°	18.0	3.5	963.9
47,5°	16.3	3.3	967.1
50,0°	15.1	3.2	970.3
52,5°	14.3	3.1	973.4
55,0°	13.6	3.1	976.5
57,5°	13.0	3.0	979.5
60,0°	12.3	2.9	982.5
62,5°	11.6	2.8	985.3
65,0°	10.9	2.7	988.0
67,5°	9.9	2.5	990.5
70,0°	8.9	2.3	992.8
72,5°	7.7	2.0	994.8
75,0°	6.2	1.6	996.5
77,5°	4.8	1.3	997.8
80,0°	3.6	1.0	998.7
82,5°	2.5	0.7	999.4
85,0°	1.5	0.4	999.8
87,5°	0.6	0.2	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	15.4	16.4	15.7	16.7	17.1	15.4	16.4	15.7	16.7	17.1
	3H	16.6	17.5	17.0	17.8	18.2	16.6	17.5	17.0	17.8	18.2
	4H	17.1	17.9	17.5	18.3	18.7	17.1	17.9	17.5	18.3	18.7
	6H	17.5	18.2	17.9	18.6	19.0	17.5	18.2	17.9	18.6	19.0
	8H	17.7	18.3	18.2	18.7	19.1	17.7	18.3	18.2	18.7	19.1
	12H	17.8	18.3	18.2	18.7	19.1	17.8	18.3	18.2	18.7	19.1
4H	2H	15.8	16.6	16.2	17.0	17.3	15.8	16.6	16.2	17.0	17.3
	3H	17.2	17.9	17.6	18.3	18.7	17.2	17.9	17.6	18.3	18.7
	4H	17.8	18.4	18.3	18.9	19.3	17.8	18.4	18.3	18.9	19.3
	6H	18.3	18.8	18.7	19.3	19.7	18.3	18.8	18.7	19.3	19.7
	8H	18.5	18.9	19.0	19.4	19.9	18.5	18.9	19.0	19.4	19.9
	12H	18.6	18.9	19.1	19.4	19.9	18.6	18.9	19.1	19.4	19.9
8H	4H	18.1	18.5	18.6	19.0	19.5	18.1	18.5	18.6	19.0	19.5
	6H	18.7	19.0	19.2	19.5	20.0	18.7	19.0	19.2	19.5	20.0
	8H	18.8	19.2	19.4	19.7	20.2	18.8	19.2	19.4	19.7	20.2
	12H	19.0	19.2	19.5	19.8	20.3	19.0	19.2	19.5	19.8	20.3
12H	4H	18.1	18.4	18.6	18.9	19.4	18.1	18.4	18.6	18.9	19.4
	6H	18.7	19.0	19.2	19.5	20.0	18.7	19.0	19.2	19.5	20.0
	8H	18.9	19.2	19.4	19.7	20.2	18.9	19.2	19.4	19.7	20.2

<b>Luminance table</b>	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
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C-planes	$0^\circ$
$\gamma$	Luminance in cd/m <sup>2</sup>
45,0°	13320.2
50,0°	12360.9
55,0°	12476.2
60,0°	12944.1
65,0°	13571.7
70,0°	13691.9
75,0°	12605.4
80,0°	10907.4
85,0°	9057.4

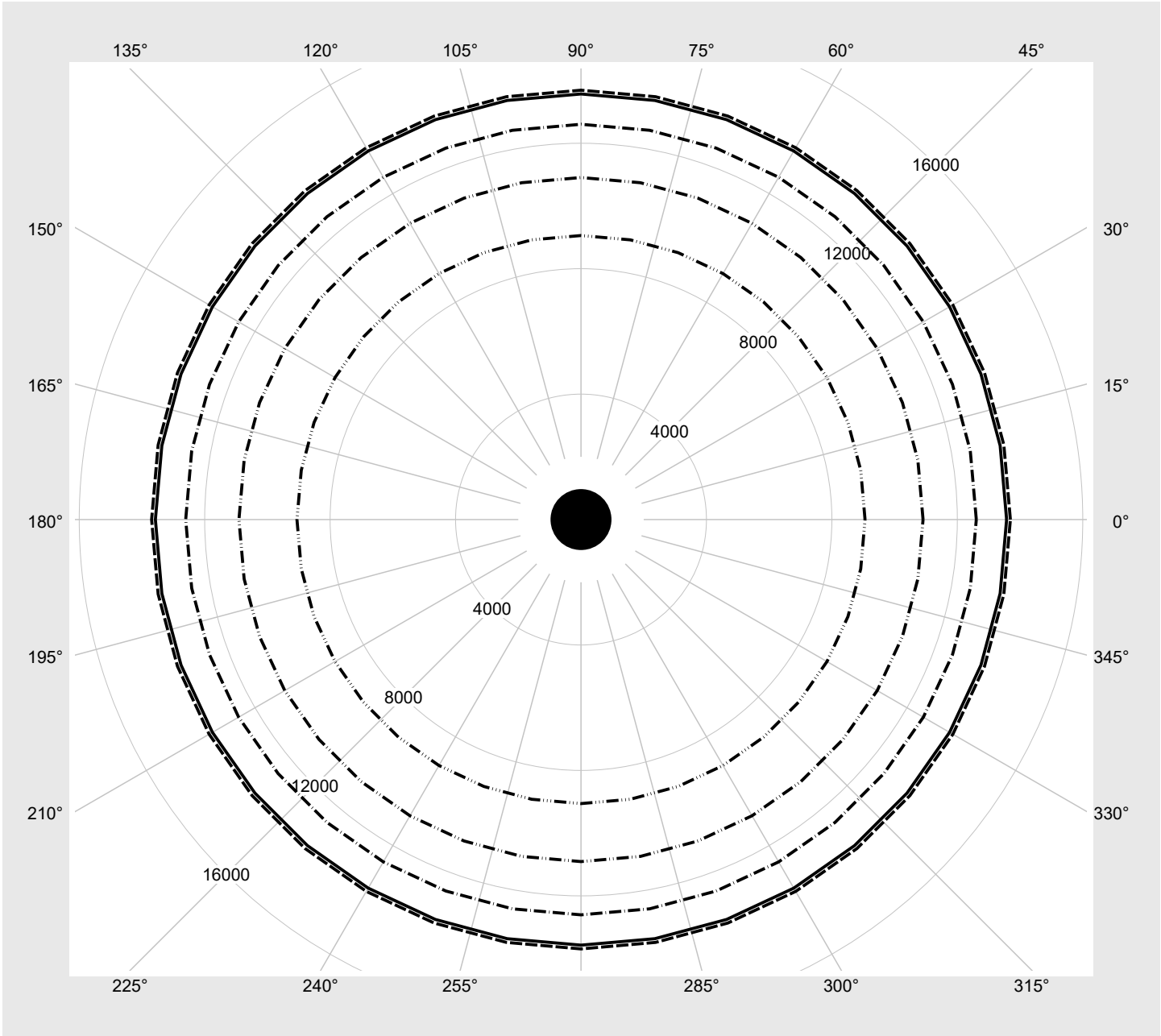
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**Luminance values in cd/m<sup>2</sup>**


$\gamma$  65°    
   $\gamma$  70°    
   $\gamma$  75°    
   $\gamma$  80°    
   $\gamma$  85°

**siteco**



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<b>Multilumen Table</b>	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	3730	28.1
10	ON	OFF	ON	OFF	3500	25.9
9	ON	OFF	OFF	ON	3260	23.8
8	ON	OFF	OFF	OFF	3020	21.7
7	OFF	ON	ON	ON	2770	19.8
6	OFF	ON	ON	OFF	2510	17.7
5	OFF	ON	OFF	ON	2260	15.7
4	OFF	ON	OFF	OFF	1990	13.8
3	OFF	OFF	ON	ON	1720	11.7
2	OFF	OFF	ON	OFF	1440	9.9
1	OFF	OFF	OFF	ON	1160	8.1
0	OFF	OFF	OFF	OFF	870	6.2