
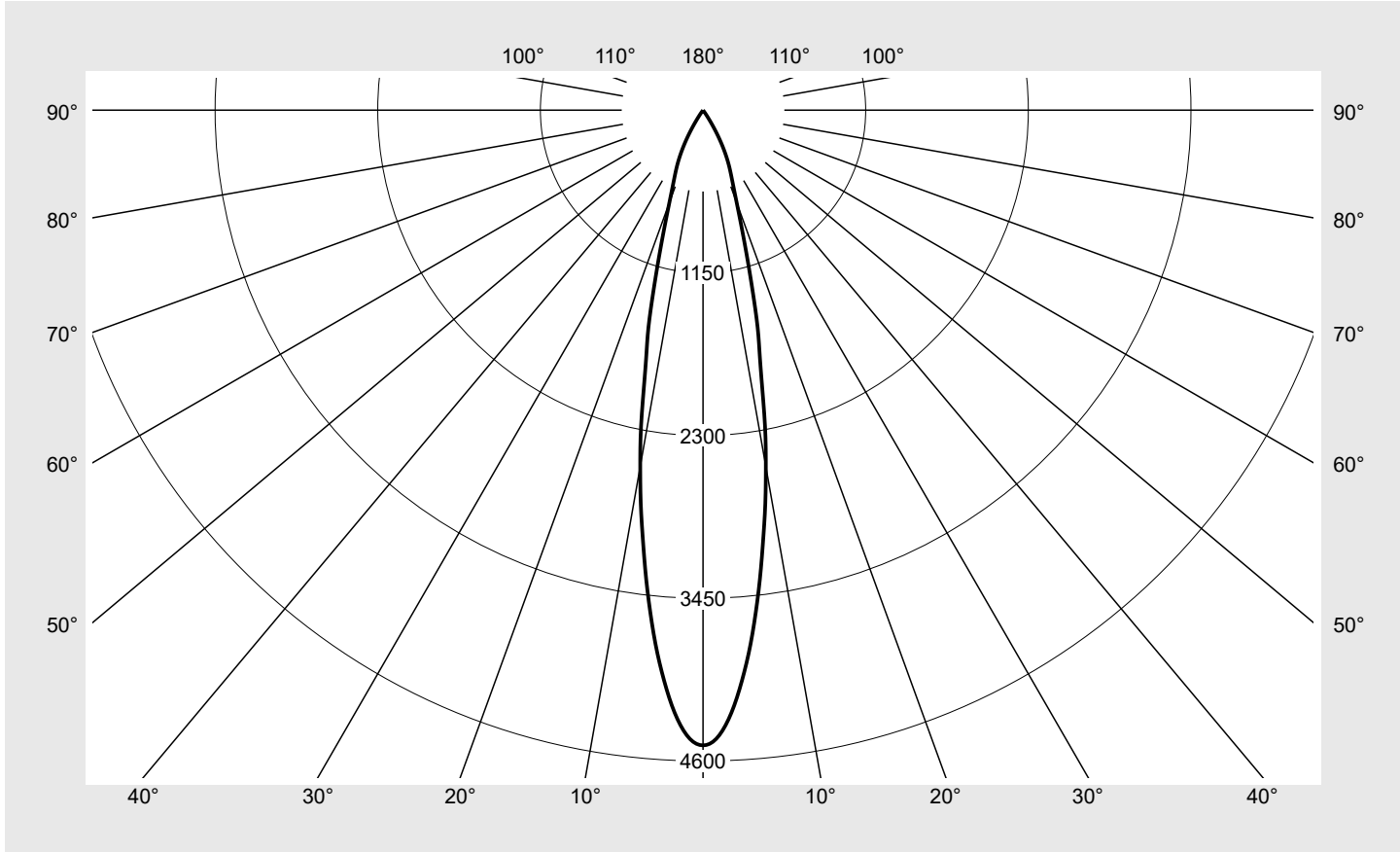


# Photometric test report

<b>Family</b> <b>Spot 21 Standard</b>	<b>Order number: 51SE12DB11B2C</b> <b>EAN: 4069025446817</b>	<b>LP number</b> <b>59919_32</b>
	<b>Version</b> housing, white, reflector, cover glass, transparent, narrow distribution <b>Lamps</b> LED 3000 K   CRI ≥ 90 <b>Controlgear</b> ECG-DALI-Multilumen <b>Setting</b> factory setting: DIP-Step=7 <b>Rated values</b> Net luminous flux = 2920 lm Power consumption = 19.8 W Luminous efficacy = 147.5 lm/W	<b>serial documentation</b> <b>11.05.2026</b>



**Luminous intensity in cd/klm** C180-0 **Imax: 4489 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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**sITeco**

<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°	4489.5	1.1	1.1
1°	4458.6	8.5	9.6
2°	4362.9	16.7	26.3
3°	4213.2	24.2	50.5
4°	4022.2	30.8	81.3
5°	3808.9	36.4	117.7
6°	3568.3	40.9	158.6
7°	3317.2	44.3	202.9
8°	3058.8	46.7	249.6
9°	2814.7	48.3	297.9
10°	2557.1	48.7	346.6
11°	2304.4	48.2	394.8
12°	2017.1	46.0	440.8
13°	1784.0	44.0	484.8
14°	1604.7	42.6	527.3
15°	1395.8	126.6	653.9
20°	696.2	130.5	784.4
25°	435.5	100.9	885.3
30°	217.1	59.5	944.8
35°	31.8	10.0	954.8
40°	19.0	6.7	961.5
45°	15.4	6.0	967.4
50°	13.5	5.7	973.1
55°	12.4	5.6	978.7
60°	11.7	5.6	984.2
65°	10.6	5.3	989.5
70°	8.8	4.5	994.0
75°	6.2	3.3	997.3
80°	3.5	1.9	999.2
85°	1.5	0.8	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	14.2	15.2	14.6	15.5	15.8	14.2	15.2	14.6	15.5	15.8
	3H	15.9	16.7	16.3	17.1	17.4	15.9	16.7	16.3	17.1	17.4
	4H	16.5	17.3	16.9	17.7	18.0	16.5	17.3	16.9	17.7	18.0
	6H	17.0	17.7	17.4	18.1	18.5	17.0	17.7	17.4	18.1	18.5
	8H	17.2	17.8	17.6	18.2	18.6	17.2	17.8	17.6	18.2	18.6
	12H	17.3	17.8	17.7	18.2	18.6	17.3	17.8	17.7	18.2	18.6
4H	2H	14.8	15.6	15.2	15.9	16.3	14.8	15.6	15.2	15.9	16.3
	3H	16.6	17.3	17.1	17.7	18.1	16.6	17.3	17.1	17.7	18.1
	4H	17.4	18.0	17.9	18.4	18.9	17.4	18.0	17.9	18.4	18.9
	6H	17.9	18.5	18.4	18.9	19.4	17.9	18.5	18.4	18.9	19.4
	8H	18.1	18.6	18.6	19.0	19.5	18.1	18.6	18.6	19.0	19.5
	12H	18.2	18.6	18.7	19.1	19.6	18.2	18.6	18.7	19.1	19.6
8H	4H	17.7	18.1	18.2	18.6	19.1	17.7	18.1	18.2	18.6	19.1
	6H	18.4	18.7	18.9	19.2	19.7	18.4	18.7	18.9	19.2	19.7
	8H	18.6	18.9	19.1	19.4	19.9	18.6	18.9	19.1	19.4	19.9
	12H	18.7	19.0	19.2	19.5	20.0	18.7	19.0	19.2	19.5	20.0
12H	4H	17.7	18.1	18.2	18.5	19.0	17.7	18.1	18.2	18.5	19.0
	6H	18.3	18.7	18.8	19.2	19.7	18.3	18.7	18.8	19.2	19.7
	8H	18.6	18.9	19.1	19.4	19.9	18.6	18.9	19.1	19.4	19.9

<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°	12064.0
50°	11623.0
55°	11956.4
60°	12935.1
65°	13852.6
70°	14182.8
75°	13140.6
80°	11236.9
85°	9598.6

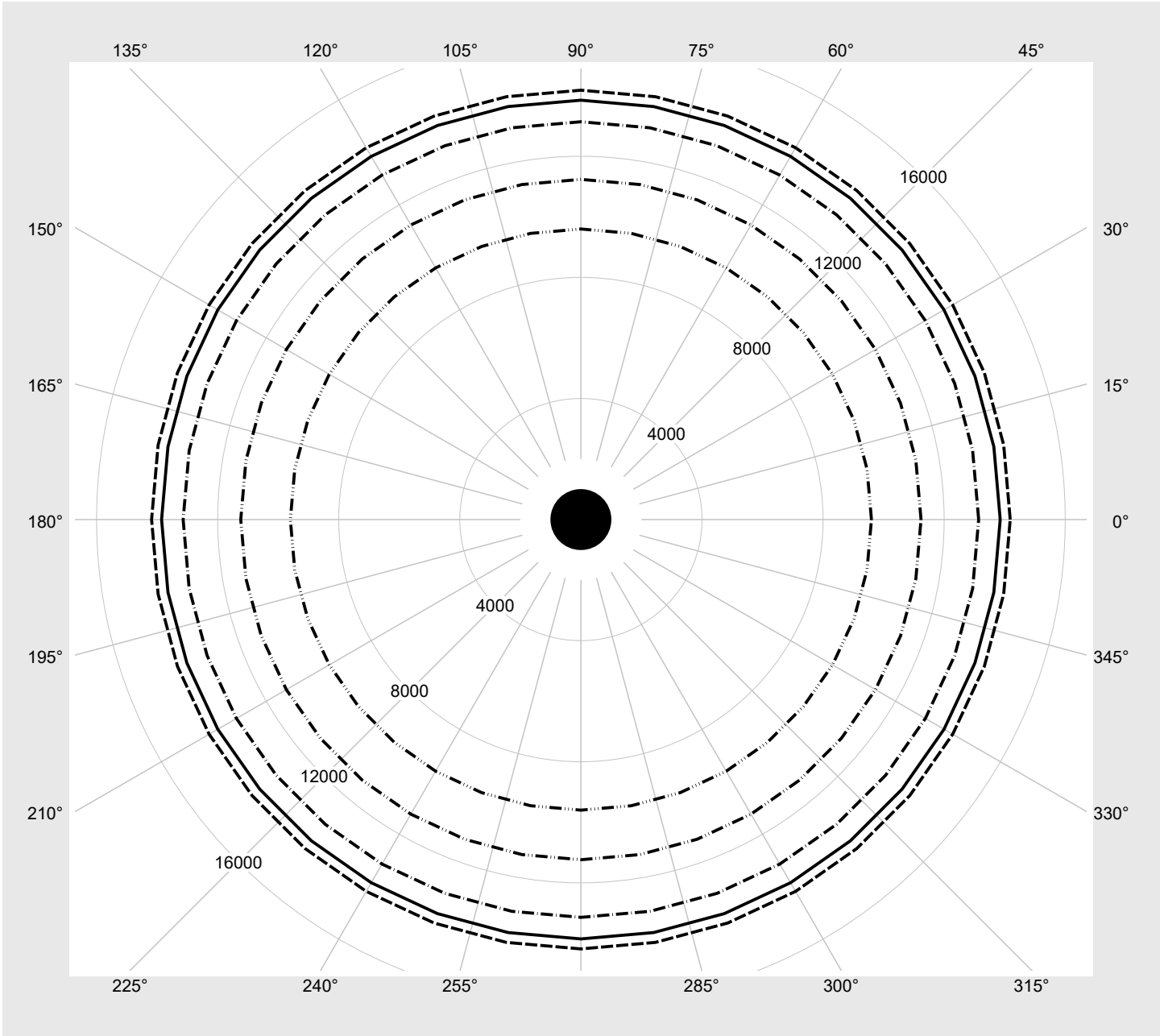
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Luminance values in cd/m<sup>2</sup>

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



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<b>Multilumen Table</b>	environmental temperature: 25°C	
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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
11	ON	OFF	ON	ON	3930	28.1
10	ON	OFF	ON	OFF	3690	25.9
9	ON	OFF	OFF	ON	3440	23.8
8	ON	OFF	OFF	OFF	3180	21.7
7	OFF	ON	ON	ON	2920	19.8
6	OFF	ON	ON	OFF	2650	17.7
5	OFF	ON	OFF	ON	2380	15.7
4	OFF	ON	OFF	OFF	2100	13.8
3	OFF	OFF	ON	ON	1810	11.7
2	OFF	OFF	ON	OFF	1520	9.9
1	OFF	OFF	OFF	ON	1220	8.1
0	OFF	OFF	OFF	OFF	910	6.2