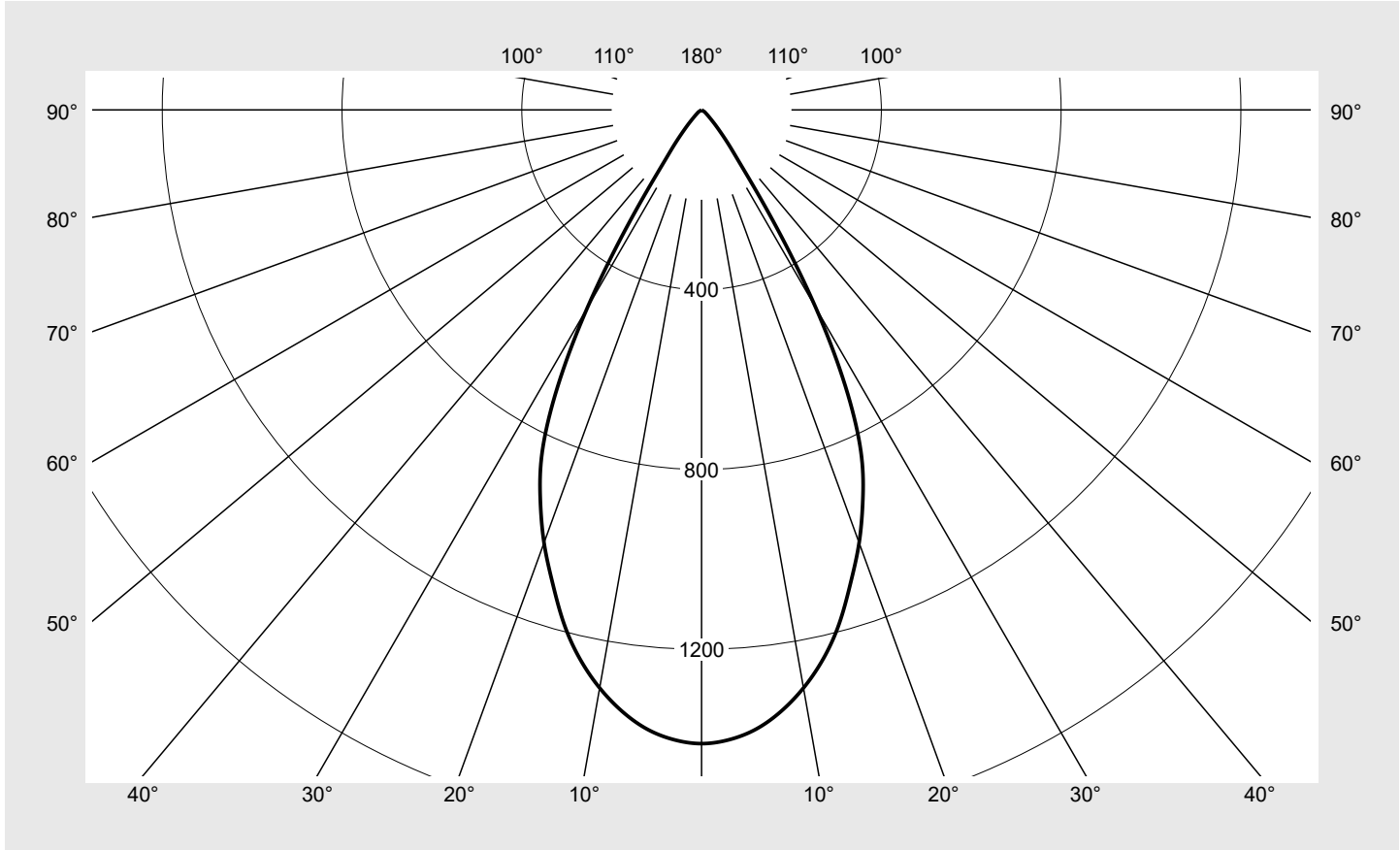


# Photometric test report

<b>Family</b> <b>Spot 21 Standard</b>	<b>Order number: 51SE64MB11D2C</b> <b>EAN: 4069025448149</b>	<b>LP number</b> <b>59937_28</b>
	<b>Version</b> housing, white aluminium, reflector, cover glass, transparent, wide 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 = 2830 lm Power consumption = 18.5 W Luminous efficacy = 153 lm/W	<b>serial documentation</b> <b>11.05.2026</b>



**Luminous intensity in cd/klm** C180-0 **Imax: 1410 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=96 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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**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	
0,0°	1409.8	2.1	2.1
2,5°	1402.5	16.8	18.9
5,0°	1383.3	33.0	51.9
7,5°	1350.1	48.3	100.2
10,0°	1305.8	62.2	162.4
12,5°	1250.9	74.2	236.6
15,0°	1183.2	84.0	320.6
17,5°	1103.1	90.9	411.5
20,0°	1024.9	96.1	507.6
22,5°	937.8	98.4	606.0
25,0°	838.9	97.2	703.2
27,5°	692.9	87.7	790.9
30,0°	508.4	69.7	860.5
32,5°	313.6	46.2	906.7
35,0°	170.0	26.7	933.5
37,5°	107.2	17.9	951.4
40,0°	69.8	12.3	963.7
42,5°	45.7	8.5	972.1
45,0°	29.8	5.8	977.9
47,5°	20.8	4.2	982.1
50,0°	15.0	3.2	985.3
52,5°	11.4	2.5	987.7
55,0°	9.1	2.0	989.8
57,5°	7.4	1.7	991.5
60,0°	6.2	1.5	993.0
62,5°	5.4	1.3	994.3
65,0°	4.6	1.1	995.4
67,5°	4.0	1.0	996.5
70,0°	3.5	0.9	997.4
72,5°	2.9	0.8	998.1
75,0°	2.3	0.6	998.7
77,5°	1.7	0.5	999.2
80,0°	1.3	0.4	999.5
82,5°	0.9	0.2	999.8
85,0°	0.6	0.2	999.9
87,5°	0.2	0.1	1000.0
90,0°	0.0	0.0	1000.0

## Photometric test report

Family Spot 21 Standard	Order number: 51SE64MB11D2C EAN: 4069025448149	LP number 59937_28
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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	19.1	20.2	19.4	20.5	20.8	19.1	20.2	19.4	20.5	20.8
	3H	19.0	20.0	19.4	20.3	20.7	19.0	20.0	19.4	20.3	20.7
	4H	19.0	19.8	19.4	20.2	20.6	19.0	19.8	19.4	20.2	20.6
	6H	18.9	19.7	19.3	20.1	20.5	18.9	19.7	19.3	20.1	20.5
	8H	19.0	19.6	19.5	20.0	20.4	19.0	19.6	19.5	20.0	20.4
	12H	19.0	19.6	19.4	19.9	20.4	19.0	19.6	19.4	19.9	20.4
4H	2H	18.9	19.8	19.3	20.1	20.5	18.9	19.8	19.3	20.1	20.5
	3H	18.8	19.5	19.2	19.9	20.3	18.8	19.5	19.2	19.9	20.3
	4H	18.8	19.4	19.2	19.8	20.3	18.8	19.4	19.2	19.8	20.3
	6H	18.7	19.3	19.2	19.7	20.2	18.7	19.3	19.2	19.7	20.2
	8H	18.7	19.2	19.2	19.6	20.1	18.7	19.2	19.2	19.6	20.1
	12H	18.7	19.1	19.2	19.6	20.1	18.7	19.1	19.2	19.6	20.1
8H	4H	18.7	19.2	19.2	19.6	20.1	18.7	19.2	19.2	19.6	20.1
	6H	18.7	19.0	19.2	19.5	20.0	18.7	19.0	19.2	19.5	20.0
	8H	18.6	18.9	19.1	19.4	20.0	18.6	18.9	19.1	19.4	20.0
	12H	18.6	18.9	19.1	19.4	19.9	18.6	18.9	19.1	19.4	19.9
12H	4H	18.7	19.0	19.2	19.5	20.0	18.7	19.0	19.2	19.5	20.0
	6H	18.6	18.9	19.1	19.4	19.9	18.6	18.9	19.1	19.4	19.9
	8H	18.6	18.8	19.1	19.4	19.9	18.6	18.8	19.1	19.4	19.9

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<b>Luminance table</b>	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
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C-planes	0°
$\gamma$	Luminance in cd/m <sup>2</sup>
45,0°	22550.6
50,0°	12528.6
55,0°	8517.8
60,0°	6657.8
65,0°	5844.2
70,0°	5494.8
75,0°	4770.4
80,0°	4018.0
85,0°	3695.3

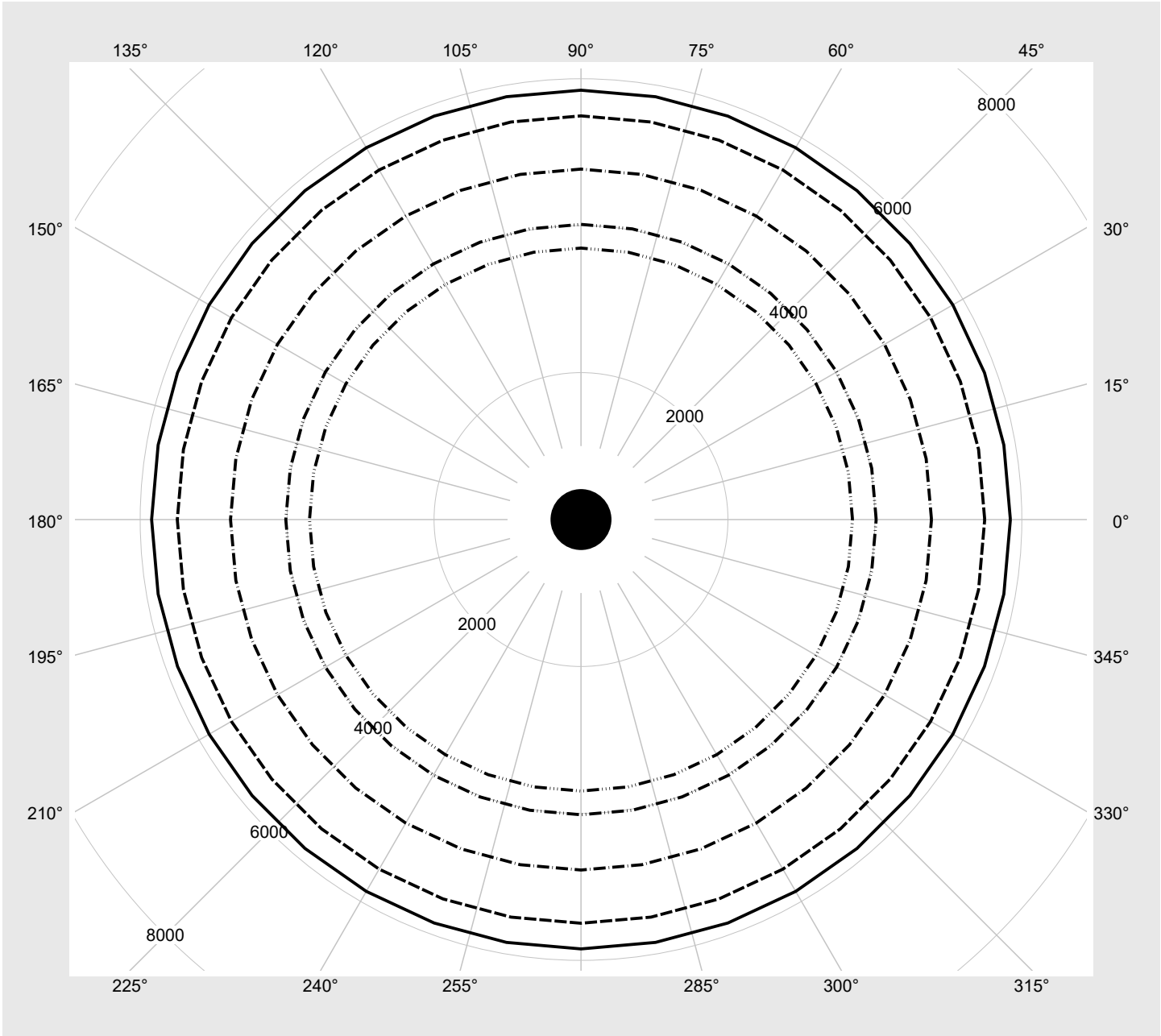
**Photometric test report**

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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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### Photometric test report

Family <b>Spot 21 Standard</b>	Order number: <b>51SE64MB11D2C</b> EAN: <b>4069025448149</b>	LP number <b>59937_28</b>
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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	3810	26.5
1	ON	OFF	OFF	3570	24.5
2	OFF	ON	OFF	3330	22.5
3	ON	ON	OFF	3080	20.5
4	OFF	OFF	ON	2830	18.5
5	ON	OFF	ON	2570	16.6
6	OFF	ON	ON	2300	14.8
7	ON	ON	ON	2030	12.9