

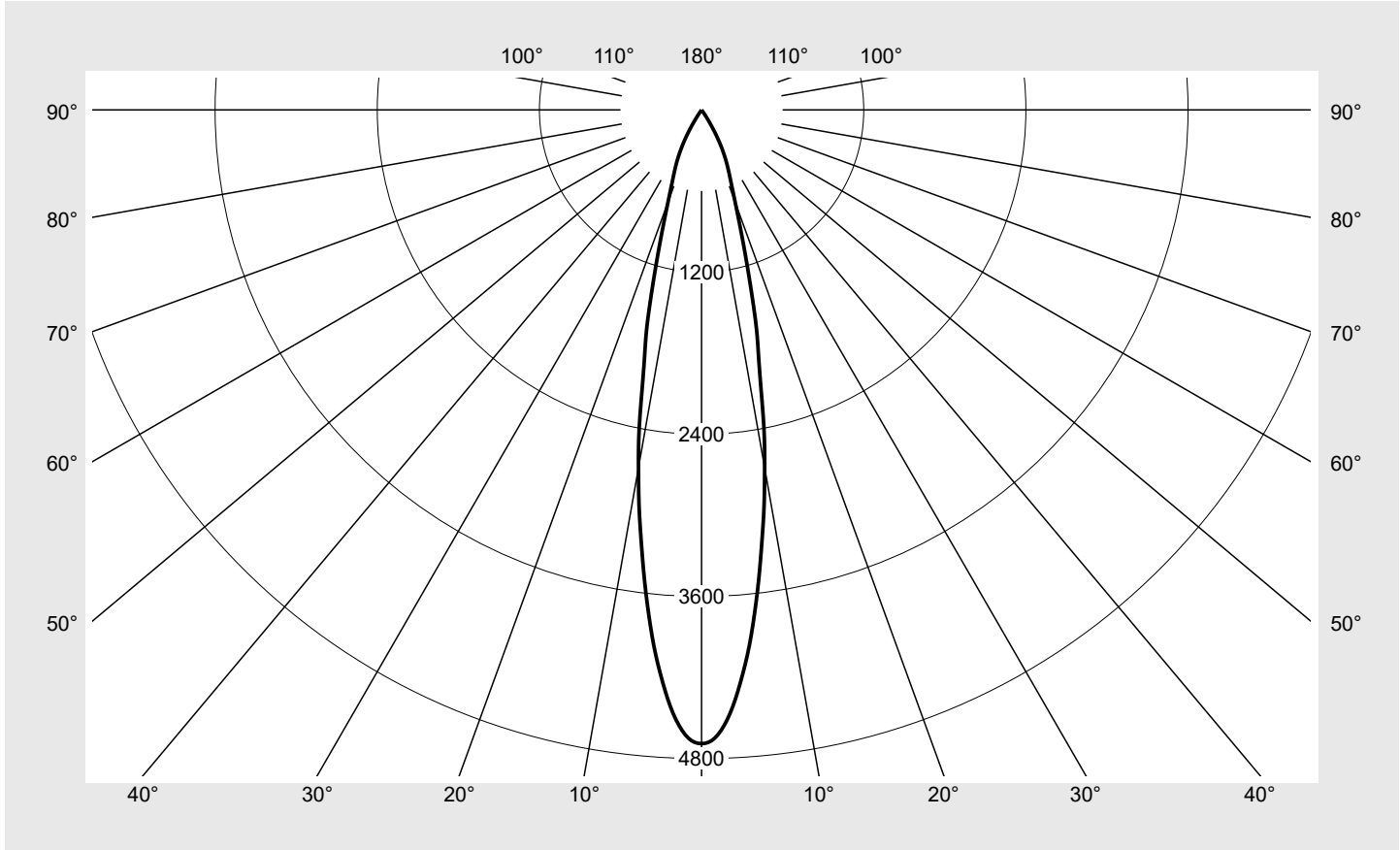


Photometric test report

Family Spot 21 Standard	Order number: 51SE32DB11A2C EAN: 4069025447296	LP number 59932_30
	Version housing, black, reflector, cover glass, transparent, narrow distribution Lamps LED 2700 K CRI ≥ 90 Controlgear ECG-DALI-Multilumen Setting factory setting: DIP-Step=7	serial documentation 11.05.2026
	Rated values Net luminous flux = 2660 lm Power consumption = 19.8 W Luminous efficacy = 134.3 lm/W	

Luminous intensity in cd/klm C180-0 **Imax: 4689 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=100 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°	4689.0	1.1	1.1
1°	4662.7	8.9	10.0
2°	4570.2	17.5	27.5
3°	4419.7	25.4	52.9
4°	4221.2	32.3	85.2
5°	4002.2	38.3	123.4
6°	3748.8	43.0	166.4
7°	3484.3	46.6	213.0
8°	3214.3	49.1	262.0
9°	2959.0	50.8	312.8
10°	2688.0	51.2	364.0
11°	2425.9	50.8	414.7
12°	2119.1	48.3	463.1
13°	1876.2	46.3	509.3
14°	1687.1	44.8	554.1
15°	1466.8	133.0	687.1
20°	726.5	136.2	823.3
25°	445.9	103.3	926.6
30°	219.5	60.2	986.8
35°	21.0	6.6	993.4
40°	7.3	2.6	995.9
45°	3.6	1.4	997.3
50°	2.0	0.8	998.2
55°	1.5	0.7	998.9
60°	1.1	0.5	999.4
65°	0.7	0.4	999.7
70°	0.4	0.2	999.9
75°	0.1	0.1	1000.0
80°	0.0	0.0	1000.0
85°	0.0	0.0	1000.0
90°	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	9.7	10.7	10.1	11.0	11.3	9.7	10.7	10.1	11.0	11.3
	3H	9.6	10.4	10.0	10.7	11.1	9.6	10.4	10.0	10.7	11.1
	4H	9.5	10.2	9.9	10.6	10.9	9.5	10.2	9.9	10.6	10.9
	6H	9.4	10.0	9.8	10.4	10.8	9.4	10.0	9.8	10.4	10.8
	8H	9.4	9.9	9.9	10.3	10.7	9.4	9.9	9.9	10.3	10.7
	12H	9.3	9.8	9.8	10.2	10.7	9.3	9.8	9.8	10.2	10.7
4H	2H	9.5	10.2	9.9	10.6	10.9	9.5	10.2	9.9	10.6	10.9
	3H	9.3	9.9	9.7	10.3	10.7	9.3	9.9	9.7	10.3	10.7
	4H	9.1	9.7	9.6	10.1	10.5	9.1	9.7	9.6	10.1	10.5
	6H	9.0	9.5	9.5	9.9	10.4	9.0	9.5	9.5	9.9	10.4
	8H	9.0	9.4	9.5	9.8	10.3	9.0	9.4	9.5	9.8	10.3
	12H	8.9	9.3	9.4	9.7	10.2	8.9	9.3	9.4	9.7	10.2
8H	4H	9.0	9.4	9.5	9.8	10.3	9.0	9.4	9.5	9.8	10.3
	6H	8.9	9.2	9.4	9.6	10.2	8.9	9.2	9.4	9.6	10.2
	8H	8.7	9.0	9.3	9.5	10.1	8.7	9.0	9.3	9.5	10.1
	12H	8.6	8.9	9.2	9.4	10.0	8.6	8.9	9.2	9.4	10.0
12H	4H	8.9	9.3	9.4	9.7	10.2	8.9	9.3	9.4	9.7	10.2
	6H	8.7	9.0	9.2	9.5	10.1	8.7	9.0	9.2	9.5	10.1
	8H	8.6	8.9	9.2	9.4	10.0	8.6	8.9	9.2	9.4	10.0

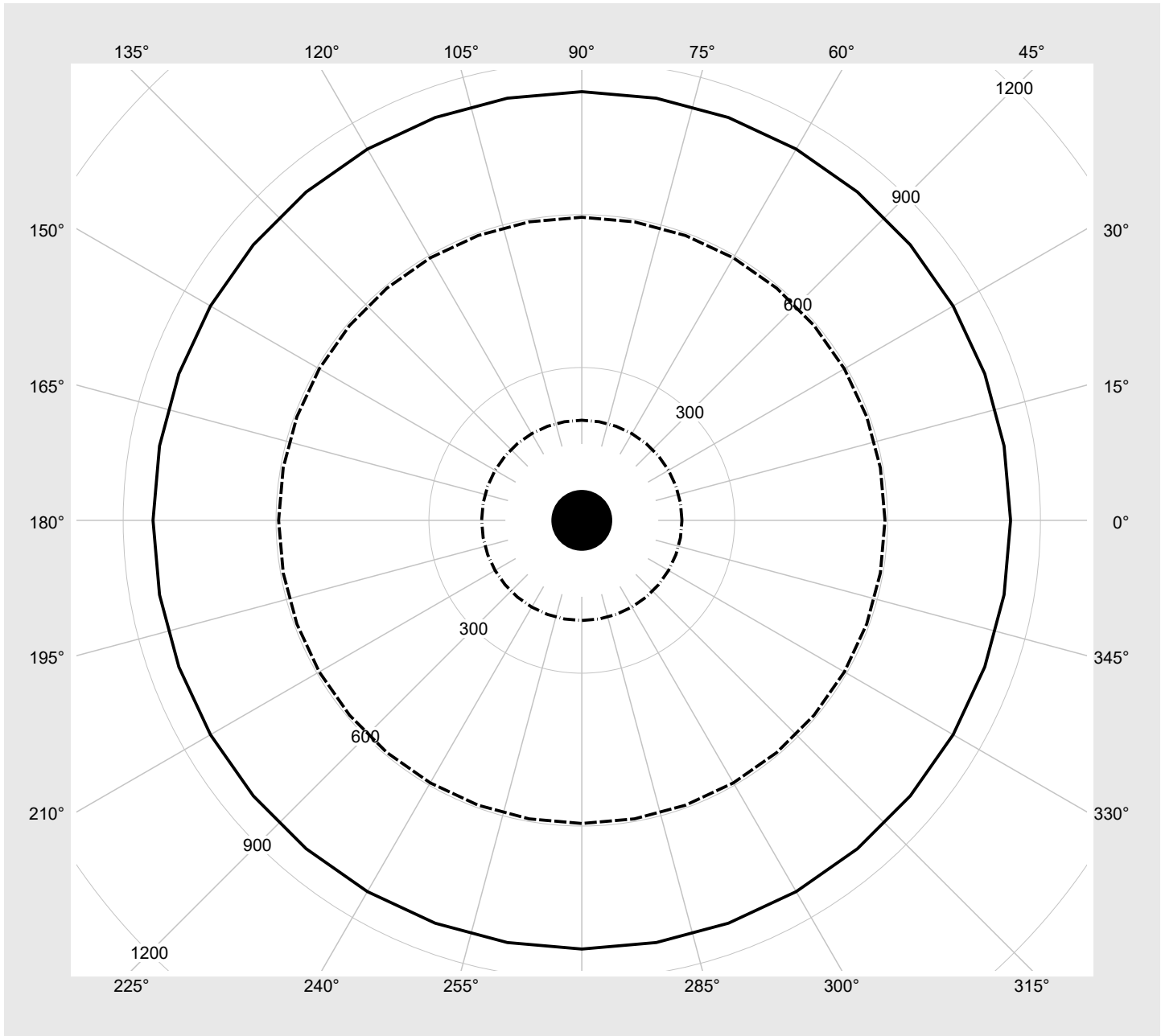
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
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C-planes	0°
γ	Luminance in cd/m ²
45°	2587.2
50°	1581.3
55°	1328.7
60°	1118.2
65°	841.4
70°	595.0
75°	196.6
80°	0.0
85°	0.0

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Luminance values in cd/m²
γ 65°
γ 70°
γ 75°
γ 80°
γ 85°
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Multilumen Table	environmental temperature: 25°C	sITeco
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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
11	ON	OFF	ON	ON	3580	28.1
10	ON	OFF	ON	OFF	3360	25.9
9	ON	OFF	OFF	ON	3130	23.8
8	ON	OFF	OFF	OFF	2900	21.7
7	OFF	ON	ON	ON	2660	19.8
6	OFF	ON	ON	OFF	2410	17.7
5	OFF	ON	OFF	ON	2170	15.7
4	OFF	ON	OFF	OFF	1910	13.8
3	OFF	OFF	ON	ON	1650	11.7
2	OFF	OFF	ON	OFF	1380	9.9
1	OFF	OFF	OFF	ON	1110	8.1
0	OFF	OFF	OFF	OFF	830	6.2