


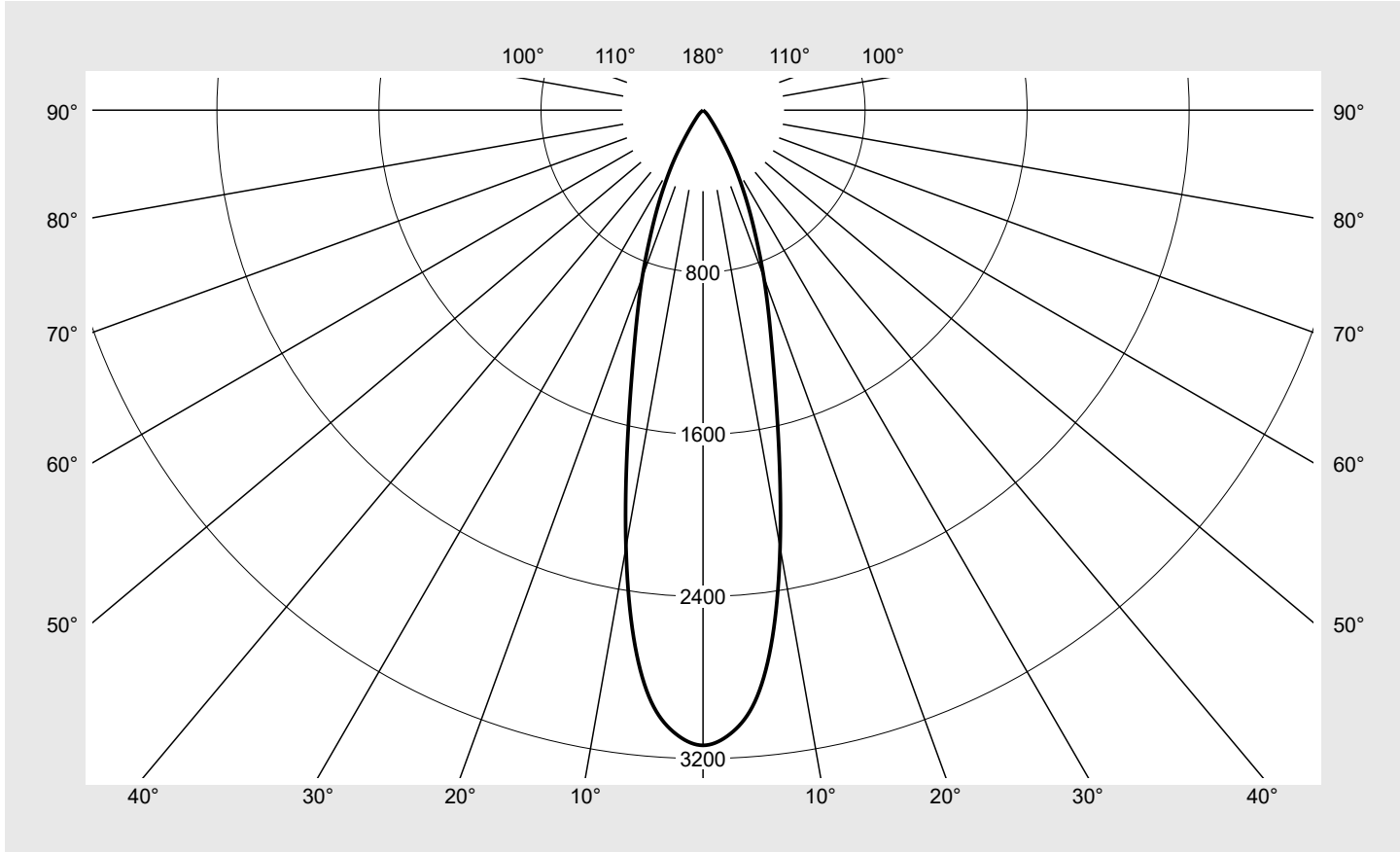
Photometric test report

Family Spot 21 Standard	Order number: 51SE32DA2DD2C EAN: 4069025447289	LP number 59939_16
	Version housing, black, reflector, lens PMMA, medium distribution Lamps LED 4000 K CRI ≥ 90 Controlgear ECG-DALI-Multilumen Setting factory setting: DIP-Step=5 Rated values Net luminous flux = 2070 lm Power consumption = 15.6 W Luminous efficacy = 132.7 lm/W	serial documentation 11.05.2026





Luminous intensity in cd/klm C180-0 **Imax: 3135 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=97 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	
0,0°	3134.9	4.7	4.7
2,5°	3081.0	36.8	41.5
5,0°	2931.6	70.0	111.6
7,5°	2625.0	93.9	205.5
10,0°	2190.8	104.3	309.8
12,5°	1734.9	102.9	412.7
15,0°	1359.5	96.5	509.2
17,5°	1089.3	89.8	599.0
20,0°	876.8	82.2	681.2
22,5°	687.5	72.1	753.3
25,0°	534.4	61.9	815.2
27,5°	401.7	50.8	866.1
30,0°	290.7	39.8	905.9
32,5°	188.1	27.7	933.6
35,0°	118.3	18.6	952.2
37,5°	77.2	12.9	965.1
40,0°	52.9	9.3	974.4
42,5°	39.2	7.3	981.7
45,0°	27.9	5.4	987.1
47,5°	19.1	3.9	991.0
50,0°	13.2	2.8	993.7
52,5°	8.2	1.8	995.5
55,0°	6.2	1.4	996.9
57,5°	4.9	1.1	998.1
60,0°	3.6	0.9	998.9
62,5°	2.4	0.6	999.5
65,0°	1.4	0.3	999.8
67,5°	0.5	0.1	1000.0
70,0°	0.1	0.0	1000.0
72,5°	0.0	0.0	1000.0
75,0°	0.0	0.0	1000.0
77,5°	0.0	0.0	1000.0
80,0°	0.0	0.0	1000.0
82,5°	0.0	0.0	1000.0
85,0°	0.0	0.0	1000.0
87,5°	0.0	0.0	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	17.2	18.2	17.5	18.5	18.8	17.2	18.2	17.5	18.5	18.8
	3H	17.0	17.9	17.4	18.2	18.5	17.0	17.9	17.4	18.2	18.5
	4H	16.9	17.7	17.3	18.0	18.4	16.9	17.7	17.3	18.0	18.4
	6H	16.9	17.5	17.3	17.9	18.3	16.9	17.5	17.3	17.9	18.3
	8H	16.9	17.4	17.4	17.8	18.2	16.9	17.4	17.4	17.8	18.2
	12H	16.9	17.3	17.3	17.7	18.2	16.9	17.3	17.3	17.7	18.2
4H	2H	16.9	17.7	17.3	18.1	18.4	16.9	17.7	17.3	18.1	18.4
	3H	16.7	17.4	17.2	17.8	18.2	16.7	17.4	17.2	17.8	18.2
	4H	16.6	17.2	17.1	17.6	18.0	16.6	17.2	17.1	17.6	18.0
	6H	16.5	17.0	17.0	17.4	17.9	16.5	17.0	17.0	17.4	17.9
	8H	16.5	16.9	16.9	17.3	17.8	16.5	16.9	16.9	17.3	17.8
	12H	16.5	16.7	17.0	17.2	17.7	16.5	16.7	17.0	17.2	17.7
8H	4H	16.5	16.9	16.9	17.3	17.8	16.5	16.9	16.9	17.3	17.8
	6H	16.3	16.6	16.8	17.1	17.6	16.3	16.6	16.8	17.1	17.6
	8H	16.2	16.5	16.8	17.0	17.6	16.2	16.5	16.8	17.0	17.6
	12H	16.2	16.4	16.8	16.9	17.5	16.2	16.4	16.8	16.9	17.5
12H	4H	16.5	16.7	17.0	17.2	17.7	16.5	16.7	17.0	17.2	17.7
	6H	16.3	16.5	16.8	17.0	17.6	16.3	16.5	16.8	17.0	17.6
	8H	16.2	16.4	16.8	16.9	17.5	16.2	16.4	16.8	16.9	17.5

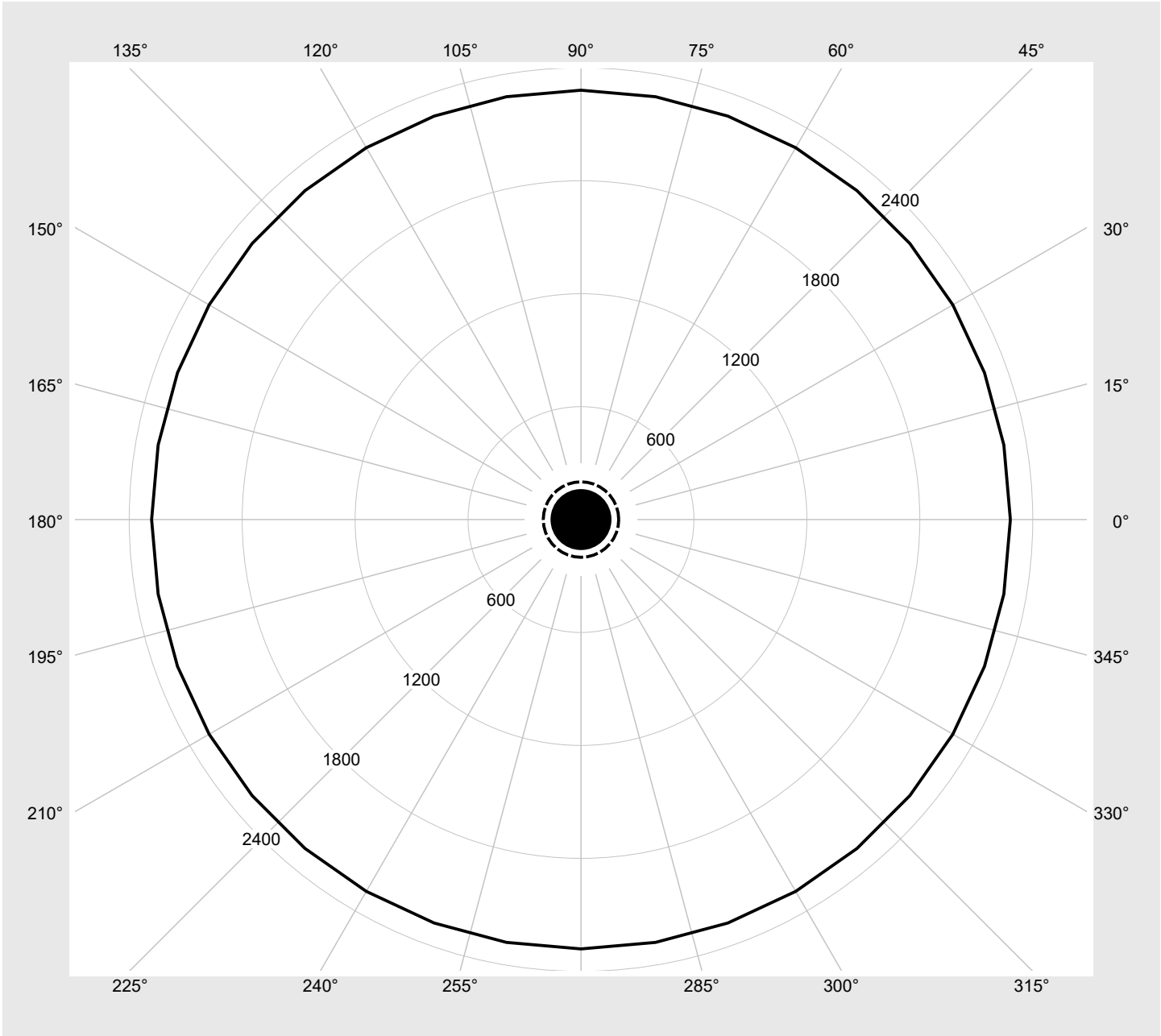
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 62
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C-planes	0°
γ	Luminance in cd/m ²
45,0°	27077.3
50,0°	14035.2
55,0°	7444.8
60,0°	4958.6
65,0°	2281.0
70,0°	200.5
75,0°	0.0
80,0°	0.0
85,0°	0.0

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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	
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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
11	ON	OFF	ON	ON	3410	28.0
10	ON	OFF	ON	OFF	3200	25.8
9	ON	OFF	OFF	ON	2980	23.7
8	ON	OFF	OFF	OFF	2760	21.6
7	OFF	ON	ON	ON	2530	19.8
6	OFF	ON	ON	OFF	2300	17.7
5	OFF	ON	OFF	ON	2070	15.6
4	OFF	ON	OFF	OFF	1820	13.8
3	OFF	OFF	ON	ON	1580	11.7
2	OFF	OFF	ON	OFF	1320	9.9
1	OFF	OFF	OFF	ON	1060	8.0
0	OFF	OFF	OFF	OFF	800	6.2