

Photometric test report

Family Spot 21 Standard



Order number: 51SE63DB11D2C
EAN: 4069025447975

LP number
59936_32

Version	housing, white aluminium, reflector, cover glass, transparent, medium distribution
Lamps	LED 4000 K CRI ≥ 90
Controlgear	ECG-DALI-Multilumen
Setting	factory setting: DIP-Step=7
Rated values	Net luminous flux = 2900 lm Power consumption = 19.8 W Luminous efficacy = 146.5 lm/W

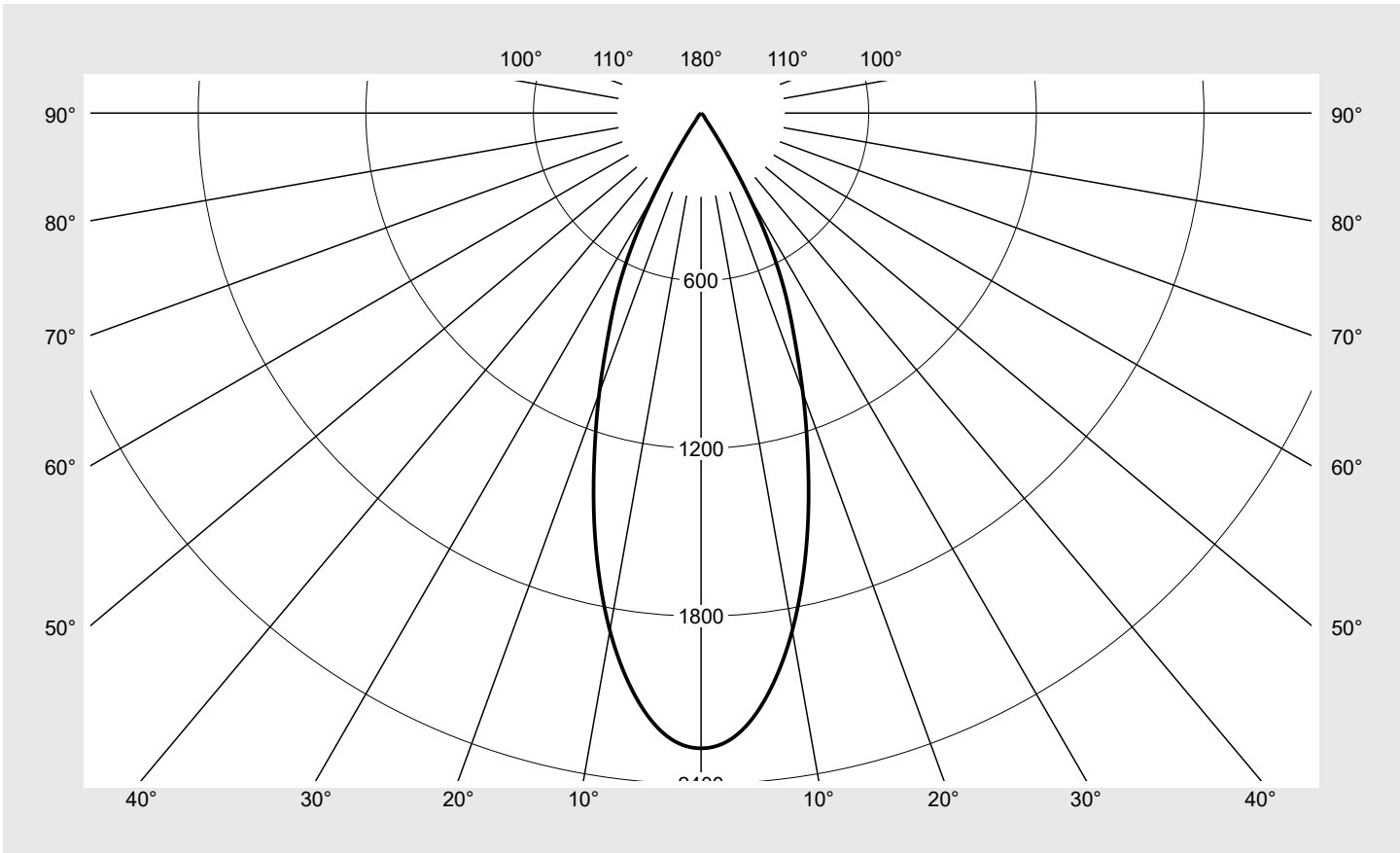
serial
documentation
11.05.2026

sitEco

Luminous intensity in cd/klm

C180-0

Imax: 2273 cd/klm



Classifications

DIN 5040 A 8 0
CIE N1=98 N2=99 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°	2272.8	3.4	3.4
2,5°	2247.7	26.9	30.3
5,0°	2167.7	51.8	82.1
7,5°	2040.8	73.0	155.1
10,0°	1880.0	89.5	244.6
12,5°	1690.1	100.3	344.9
15,0°	1482.7	105.2	450.1
17,5°	1267.9	104.5	554.6
20,0°	1065.6	99.9	654.5
22,5°	874.9	91.8	746.3
25,0°	714.3	82.8	829.0
27,5°	533.8	67.6	896.6
30,0°	335.3	46.0	942.6
32,5°	151.5	22.3	964.9
35,0°	44.0	6.9	971.8
37,5°	23.3	3.9	975.7
40,0°	17.4	3.1	978.7
42,5°	13.8	2.6	981.3
45,0°	11.3	2.2	983.5
47,5°	9.4	1.9	985.4
50,0°	8.2	1.7	987.1
52,5°	7.3	1.6	988.7
55,0°	6.6	1.5	990.2
57,5°	6.0	1.4	991.6
60,0°	5.5	1.3	992.9
62,5°	5.0	1.2	994.1
65,0°	4.6	1.1	995.3
67,5°	4.1	1.0	996.3
70,0°	3.6	0.9	997.2
72,5°	3.0	0.8	998.0
75,0°	2.3	0.6	998.6
77,5°	1.8	0.5	999.1
80,0°	1.4	0.4	999.5
82,5°	1.0	0.3	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

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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	13.8	14.8	14.2	15.1	15.5	13.8	14.8	14.2	15.1	15.5
	3H	14.1	15.0	14.5	15.3	15.7	14.1	15.0	14.5	15.3	15.7
	4H	14.2	15.0	14.6	15.4	15.7	14.2	15.0	14.6	15.4	15.7
	6H	14.3	15.0	14.7	15.4	15.8	14.3	15.0	14.7	15.4	15.8
	8H	14.5	15.0	14.9	15.4	15.8	14.5	15.0	14.9	15.4	15.8
	12H	14.5	14.9	14.9	15.3	15.7	14.5	14.9	14.9	15.3	15.7
4H	2H	13.8	14.6	14.2	14.9	15.3	13.8	14.6	14.2	14.9	15.3
	3H	14.2	14.8	14.6	15.2	15.6	14.2	14.8	14.6	15.2	15.6
	4H	14.3	14.9	14.8	15.3	15.8	14.3	14.9	14.8	15.3	15.8
	6H	14.4	15.0	14.9	15.4	15.9	14.4	15.0	14.9	15.4	15.9
	8H	14.5	15.0	15.0	15.4	15.9	14.5	15.0	15.0	15.4	15.9
	12H	14.6	14.9	15.1	15.4	15.9	14.6	14.9	15.1	15.4	15.9
8H	4H	14.4	14.8	14.8	15.2	15.7	14.4	14.8	14.8	15.2	15.7
	6H	14.6	14.9	15.1	15.4	15.9	14.6	14.9	15.1	15.4	15.9
	8H	14.6	14.9	15.1	15.4	16.0	14.6	14.9	15.1	15.4	16.0
	12H	14.7	14.9	15.2	15.4	16.0	14.7	14.9	15.2	15.4	16.0
12H	4H	14.4	14.7	14.9	15.1	15.6	14.4	14.7	14.9	15.1	15.6
	6H	14.5	14.8	15.1	15.3	15.8	14.5	14.8	15.1	15.3	15.8
	8H	14.6	14.9	15.2	15.4	15.9	14.6	14.9	15.2	15.4	15.9

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/m²
45,0°	8802.7
50,0°	7026.7
55,0°	6337.9
60,0°	6059.2
65,0°	5995.3
70,0°	5797.7
75,0°	4894.8
80,0°	4439.9
85,0°	3793.0

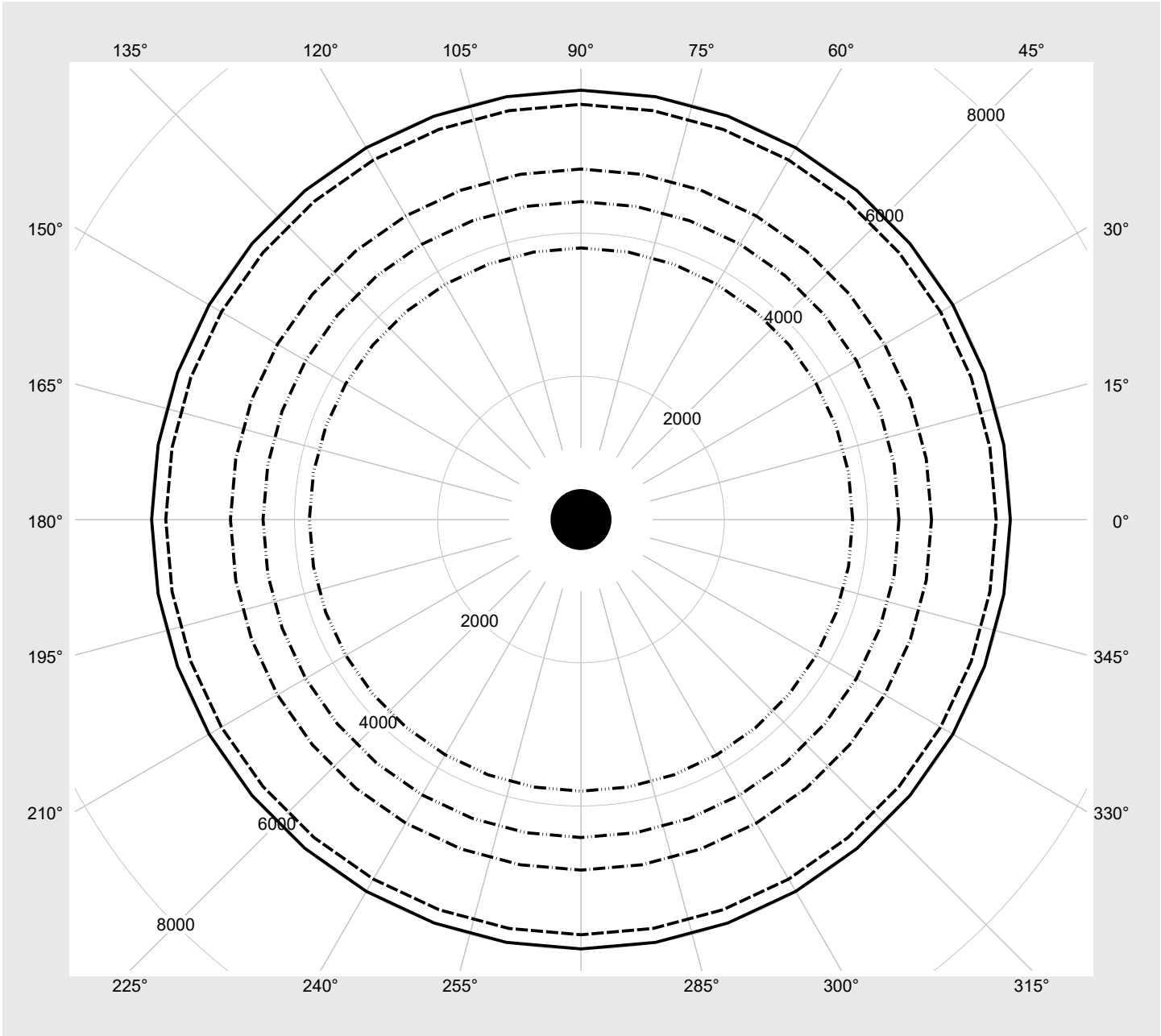
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Luminance values in cd/m²

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	3910	28.1
10	ON	OFF	ON	OFF	3670	25.9
9	ON	OFF	OFF	ON	3420	23.8
8	ON	OFF	OFF	OFF	3160	21.7
7	OFF	ON	ON	ON	2900	19.8
6	OFF	ON	ON	OFF	2630	17.7
5	OFF	ON	OFF	ON	2360	15.7
4	OFF	ON	OFF	OFF	2090	13.8
3	OFF	OFF	ON	ON	1800	11.7
2	OFF	OFF	ON	OFF	1510	9.9
1	OFF	OFF	OFF	ON	1210	8.1
0	OFF	OFF	OFF	OFF	910	6.2