

Photometric test report

Family Spot 21 Performance

Order number: 51SD64DB11D3B
EAN: 4069025539250

LP number
59948_12



Version	housing, white aluminium, reflector, cover glass, transparent, wide distribution
Lamps	LED 4000 K CRI ≥ 90
Controlgear	ECG-DALI-Multilumen
Setting	factory setting: DIP-Step=7
Rated values	Net luminous flux = 3050 lm Power consumption = 20.4 W Luminous efficacy = 149.5 lm/W

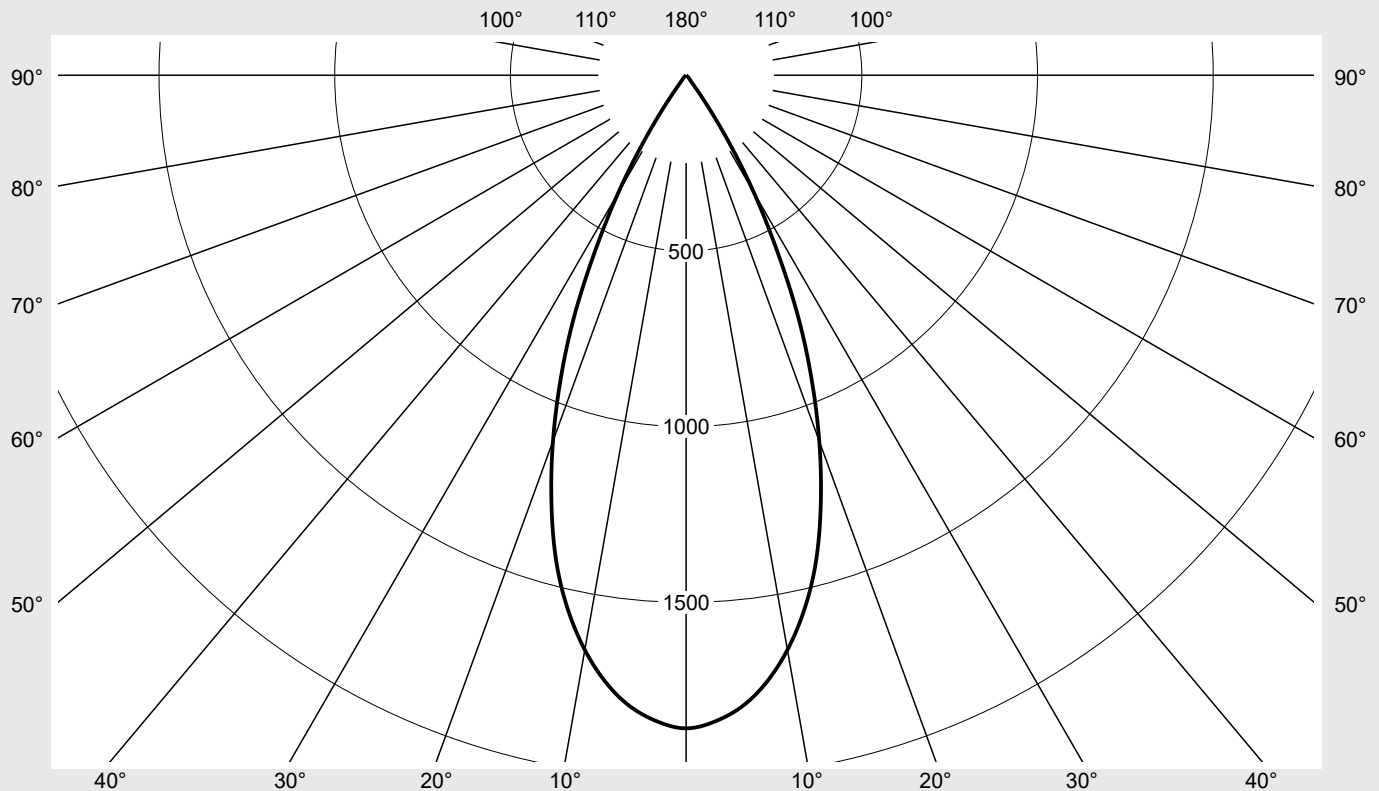
serial
documentation
11.05.2026

sITeco

Luminous intensity in cd/klm

C180-0

Imax: 1859 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°	1858.6	2.8	2.8
2,5°	1841.5	22.0	24.8
5,0°	1804.7	43.1	67.9
7,5°	1743.8	62.4	130.3
10,0°	1660.5	79.0	209.4
12,5°	1556.2	92.3	301.7
15,0°	1429.5	101.4	403.1
17,5°	1274.7	105.1	508.2
20,0°	1107.9	103.9	612.1
22,5°	931.2	97.7	709.8
25,0°	748.7	86.7	796.5
27,5°	554.4	70.2	866.7
30,0°	386.1	52.9	919.6
32,5°	229.0	33.7	953.3
35,0°	104.0	16.3	969.7
37,5°	34.4	5.7	975.4
40,0°	18.5	3.3	978.7
42,5°	13.9	2.6	981.3
45,0°	11.2	2.2	983.4
47,5°	9.3	1.9	985.3
50,0°	8.1	1.7	987.0
52,5°	7.3	1.6	988.6
55,0°	6.6	1.5	990.1
57,5°	6.0	1.4	991.5
60,0°	5.5	1.3	992.8
62,5°	5.1	1.2	994.1
65,0°	4.6	1.1	995.2
67,5°	4.1	1.0	996.2
70,0°	3.6	0.9	997.2
72,5°	3.1	0.8	998.0
75,0°	2.4	0.6	998.6
77,5°	1.9	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	16.6	17.6	16.9	17.9	18.3	16.6	17.6	16.9	17.9	18.3
	3H	16.6	17.5	17.0	17.9	18.2	16.6	17.5	17.0	17.9	18.2
	4H	16.7	17.5	17.1	17.8	18.2	16.7	17.5	17.1	17.8	18.2
	6H	16.7	17.4	17.1	17.8	18.2	16.7	17.4	17.1	17.8	18.2
	8H	16.8	17.4	17.3	17.7	18.2	16.8	17.4	17.3	17.7	18.2
	12H	16.8	17.3	17.2	17.7	18.1	16.8	17.3	17.2	17.7	18.1
4H	2H	16.4	17.3	16.8	17.6	18.0	16.4	17.3	16.8	17.6	18.0
	3H	16.5	17.2	17.0	17.6	18.0	16.5	17.2	17.0	17.6	18.0
	4H	16.6	17.2	17.0	17.6	18.1	16.6	17.2	17.0	17.6	18.1
	6H	16.6	17.1	17.1	17.6	18.0	16.6	17.1	17.1	17.6	18.0
	8H	16.7	17.1	17.1	17.5	18.0	16.7	17.1	17.1	17.5	18.0
	12H	16.7	17.0	17.2	17.5	18.0	16.7	17.0	17.2	17.5	18.0
8H	4H	16.5	17.0	17.0	17.4	17.9	16.5	17.0	17.0	17.4	17.9
	6H	16.6	17.0	17.1	17.4	18.0	16.6	17.0	17.1	17.4	18.0
	8H	16.6	16.9	17.1	17.4	18.0	16.6	16.9	17.1	17.4	18.0
	12H	16.7	16.9	17.2	17.4	18.0	16.7	16.9	17.2	17.4	18.0
12H	4H	16.6	16.9	17.1	17.3	17.9	16.6	16.9	17.1	17.3	17.9
	6H	16.6	16.9	17.1	17.4	17.9	16.6	16.9	17.1	17.4	17.9
	8H	16.6	16.9	17.2	17.4	17.9	16.6	16.9	17.2	17.4	17.9

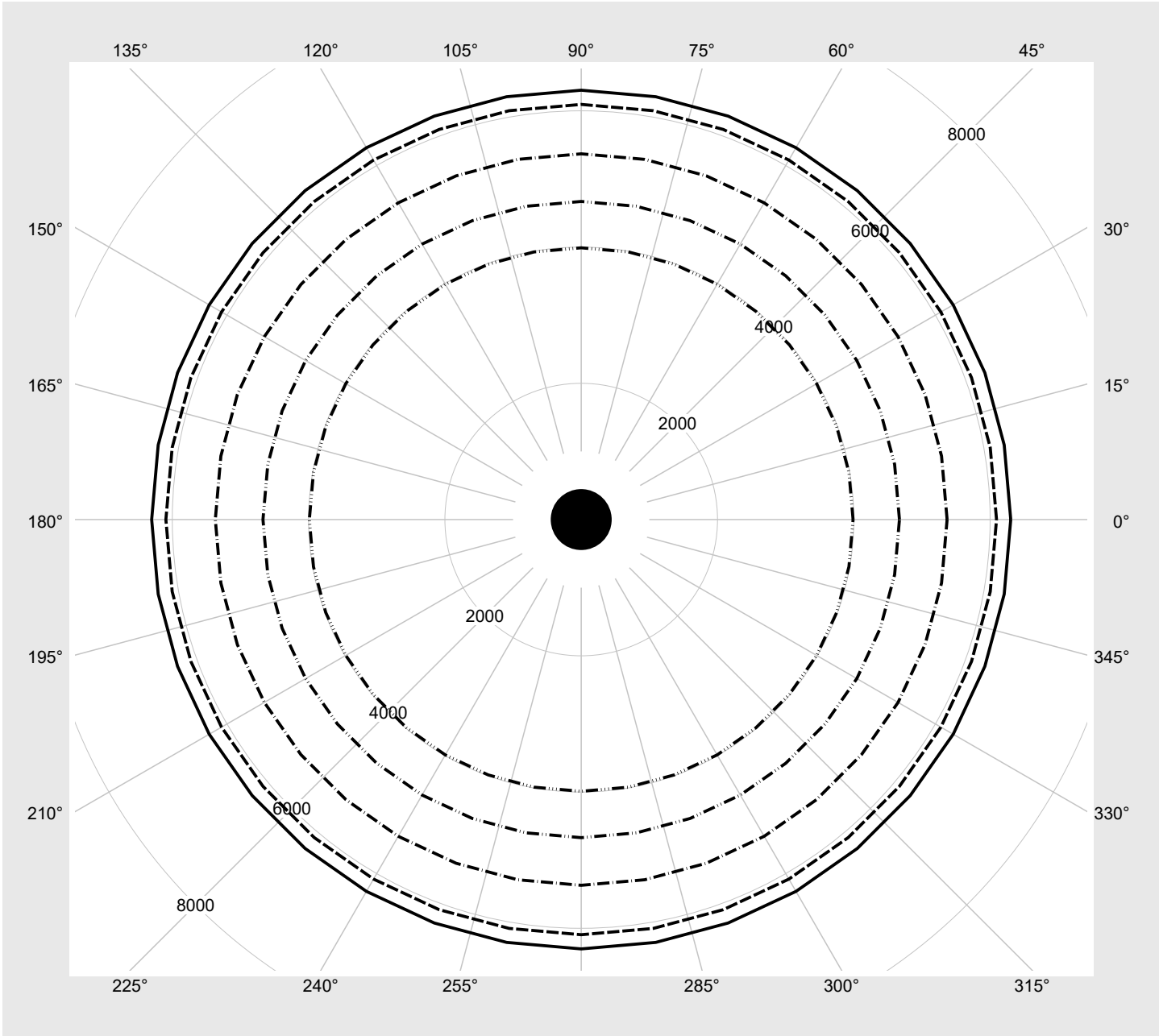
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
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C-planes	0°
γ	Luminance in cd/m ²
45,0°	9171.5
50,0°	7296.7
55,0°	6662.7
60,0°	6369.1
65,0°	6302.7
70,0°	6094.2
75,0°	5368.9
80,0°	4669.6
85,0°	3989.2

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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	4190	28.6
10	ON	OFF	ON	OFF	3910	26.4
9	ON	OFF	OFF	ON	3630	24.4
8	ON	OFF	OFF	OFF	3340	22.3
7	OFF	ON	ON	ON	3050	20.4
6	OFF	ON	ON	OFF	2760	18.3
5	OFF	ON	OFF	ON	2470	16.2
4	OFF	ON	OFF	OFF	2160	14.3
3	OFF	OFF	ON	ON	1860	12.2
2	OFF	OFF	ON	OFF	1550	10.4
1	OFF	OFF	OFF	ON	1240	8.5
0	OFF	OFF	OFF	OFF	920	6.6