

Photometric test report

Family Spot 21 Performance

Order number: 51SD13DB11B3B
EAN: 4069025538314

LP number
59943_10



Version	housing, white, reflector, cover glass, transparent, medium distribution
Lamps	LED 3000 K CRI ≥ 90
Controlgear	ECG-DALI-Multilumen
Setting	factory setting: DIP-Step=7
Rated values	Net luminous flux = 3150 lm Power consumption = 20.4 W Luminous efficacy = 154.4 lm/W

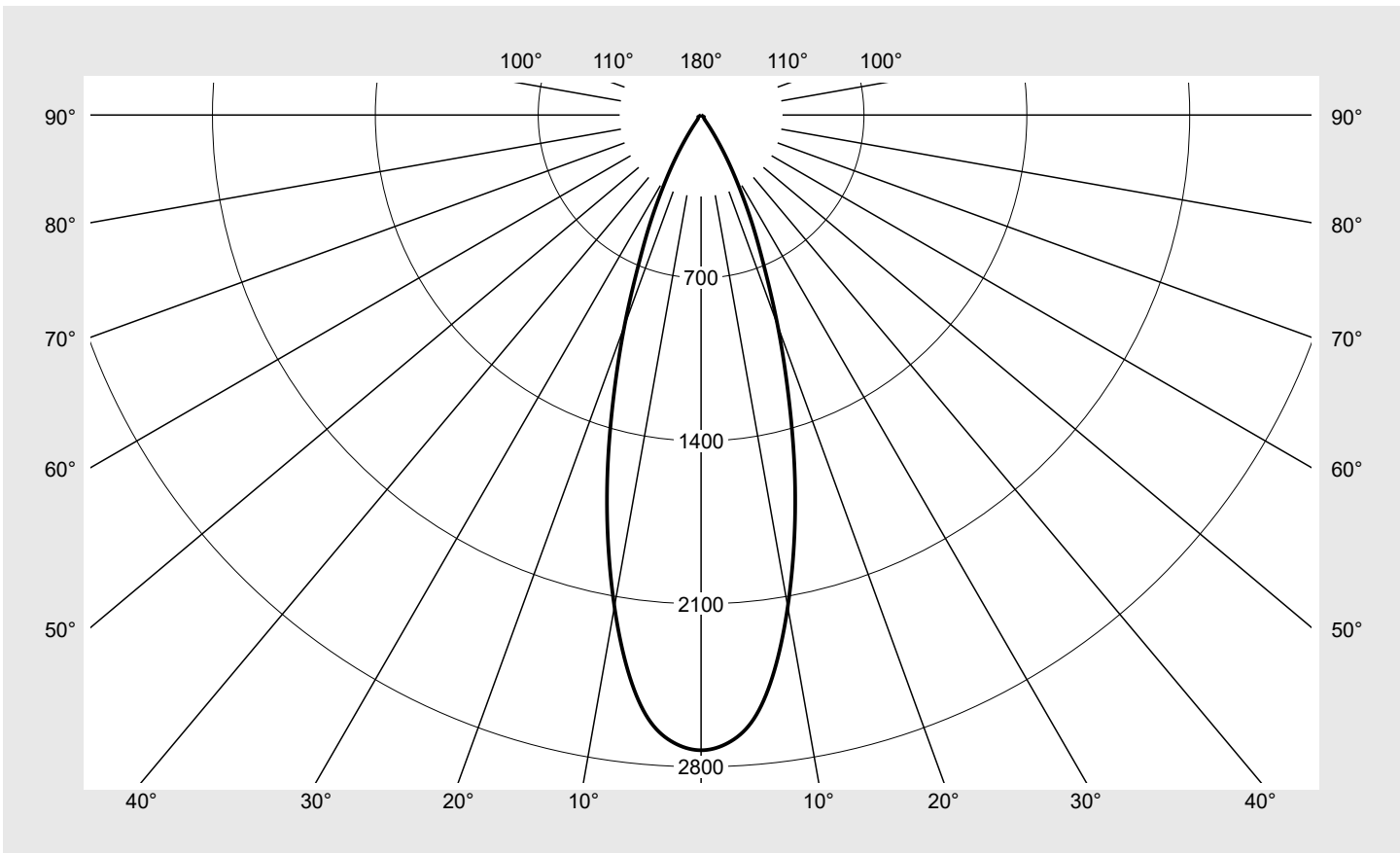
serial
documentation
11.05.2026

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Luminous intensity in cd/klm

C180-0

Imax: 2729 cd/klm



Classifications

DIN 5040 A 8 0
CIE N1=95 N2=98 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°	2728.9	4.1	4.1
2,5°	2698.9	32.3	36.4
5,0°	2603.6	62.2	98.6
7,5°	2408.8	86.2	184.7
10,0°	2144.7	102.1	286.8
12,5°	1852.9	109.9	396.8
15,0°	1547.7	109.8	506.6
17,5°	1239.0	102.1	608.7
20,0°	961.6	90.2	698.9
22,5°	713.3	74.8	773.7
25,0°	529.0	61.3	835.0
27,5°	368.4	46.6	881.6
30,0°	242.5	33.2	914.9
32,5°	138.8	20.4	935.3
35,0°	65.4	10.3	945.6
37,5°	27.0	4.5	950.1
40,0°	21.6	3.8	953.9
42,5°	19.4	3.6	957.5
45,0°	17.7	3.4	960.9
47,5°	16.6	3.3	964.3
50,0°	15.6	3.3	967.6
52,5°	14.8	3.2	970.8
55,0°	14.3	3.2	974.0
57,5°	14.0	3.2	977.2
60,0°	13.5	3.2	980.4
62,5°	13.0	3.1	983.5
65,0°	12.1	3.0	986.5
67,5°	11.2	2.8	989.4
70,0°	10.0	2.6	992.0
72,5°	8.7	2.3	994.3
75,0°	7.0	1.9	996.1
77,5°	5.4	1.5	997.6
80,0°	4.0	1.1	998.7
82,5°	2.8	0.8	999.4
85,0°	1.6	0.4	999.9
87,5°	0.5	0.1	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	15.9	17.0	16.3	17.3	17.6	15.9	17.0	16.3	17.3	17.6
	3H	17.4	18.3	17.8	18.6	19.0	17.4	18.3	17.8	18.6	19.0
	4H	18.0	18.8	18.4	19.2	19.5	18.0	18.8	18.4	19.2	19.5
	6H	18.4	19.1	18.8	19.5	19.9	18.4	19.1	18.8	19.5	19.9
	8H	18.7	19.2	19.1	19.6	20.0	18.7	19.2	19.1	19.6	20.0
	12H	18.7	19.2	19.2	19.6	20.1	18.7	19.2	19.2	19.6	20.1
4H	2H	16.4	17.2	16.8	17.6	18.0	16.4	17.2	16.8	17.6	18.0
	3H	18.1	18.8	18.5	19.2	19.6	18.1	18.8	18.5	19.2	19.6
	4H	18.8	19.4	19.3	19.8	20.3	18.8	19.4	19.3	19.8	20.3
	6H	19.3	19.8	19.8	20.3	20.7	19.3	19.8	19.8	20.3	20.7
	8H	19.5	19.9	20.0	20.4	20.9	19.5	19.9	20.0	20.4	20.9
	12H	19.6	20.0	20.1	20.4	20.9	19.6	20.0	20.1	20.4	20.9
8H	4H	19.1	19.5	19.6	20.0	20.5	19.1	19.5	19.6	20.0	20.5
	6H	19.7	20.0	20.2	20.5	21.0	19.7	20.0	20.2	20.5	21.0
	8H	19.9	20.2	20.4	20.7	21.2	19.9	20.2	20.4	20.7	21.2
	12H	20.1	20.3	20.6	20.8	21.4	20.1	20.3	20.6	20.8	21.4
12H	4H	19.1	19.5	19.6	19.9	20.4	19.1	19.5	19.6	19.9	20.4
	6H	19.7	20.0	20.3	20.5	21.0	19.7	20.0	20.3	20.5	21.0
	8H	20.0	20.2	20.5	20.7	21.3	20.0	20.2	20.5	20.7	21.3

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
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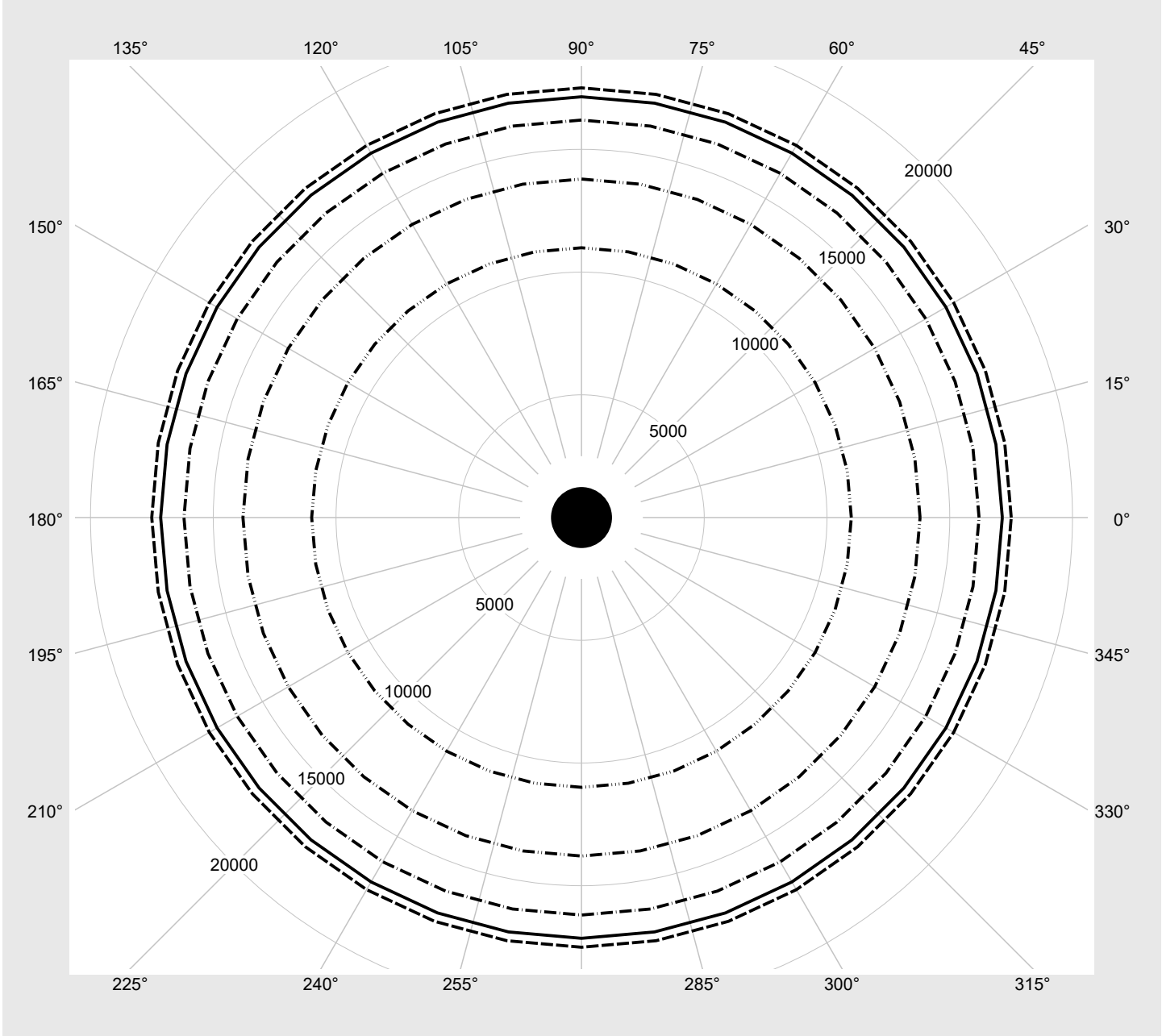
C-planes	0°
γ	Luminance in cd/m ²
45,0°	14903.7
50,0°	14438.9
55,0°	14824.1
60,0°	16047.6
65,0°	17142.7
70,0°	17506.1
75,0°	16194.5
80,0°	13791.4
85,0°	10991.1

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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	4320	28.6
10	ON	OFF	ON	OFF	4030	26.4
9	ON	OFF	OFF	ON	3740	24.4
8	ON	OFF	OFF	OFF	3450	22.3
7	OFF	ON	ON	ON	3150	20.4
6	OFF	ON	ON	OFF	2850	18.3
5	OFF	ON	OFF	ON	2540	16.2
4	OFF	ON	OFF	OFF	2230	14.3
3	OFF	OFF	ON	ON	1920	12.2
2	OFF	OFF	ON	OFF	1600	10.4
1	OFF	OFF	OFF	ON	1280	8.5
0	OFF	OFF	OFF	OFF	950	6.6