Photometric test report

Family
Spot 21 Standard

Order number: 51SE34DB11B2C
EAN: 4069025447593

Version	housing, black, reflector, cover glass, transparent, wide distribution
Lamps	LED 3000 K | CRI ≥ 90
Controlgear	ECG-DALI-Multilumen
Setting	factory setting: DIP-Step=7
Rated values	Net luminous flux = 2720 lm Power consumption = 19.8 W Luminous efficacy = 137.4 lm/W

LP number
59934_46

serial documentation
23.06.2026

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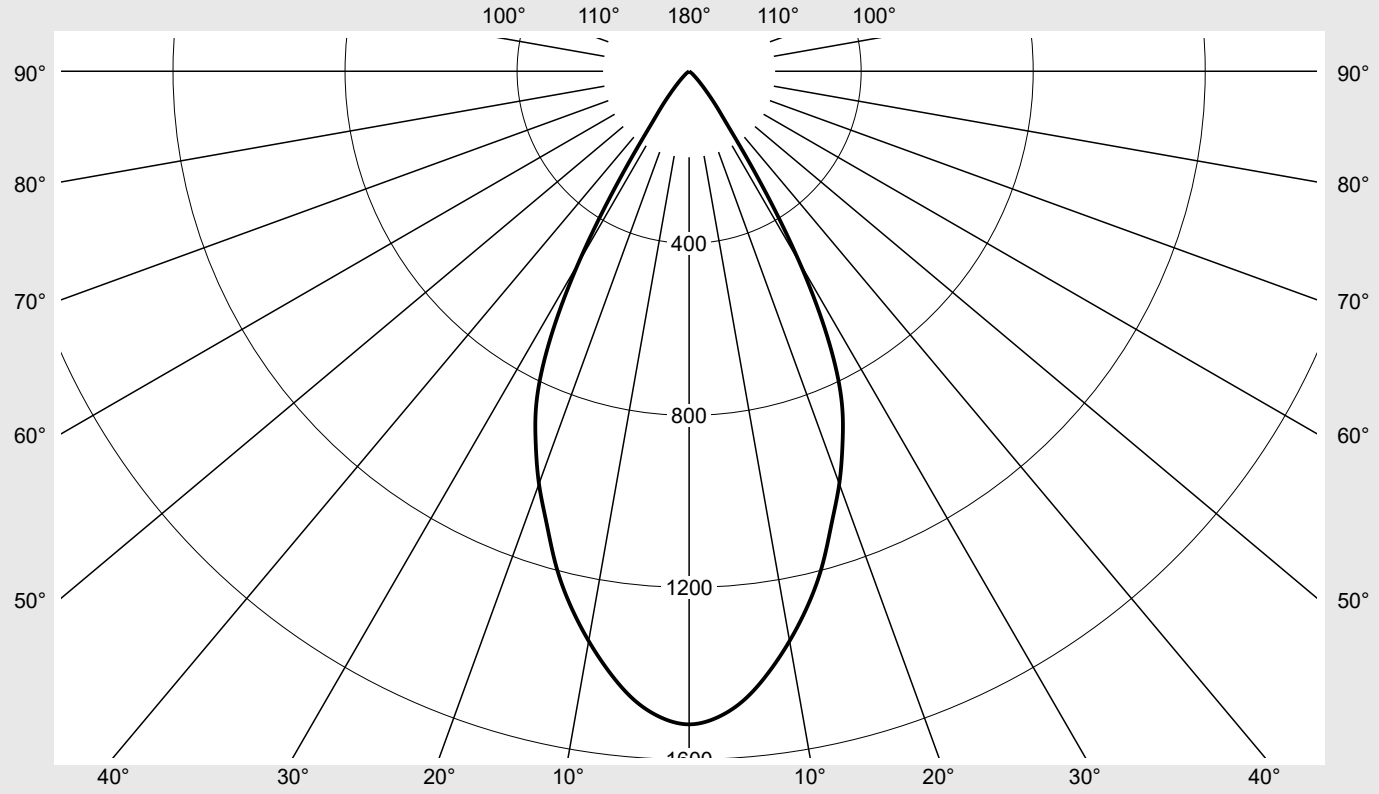
Luminous intensity in cd/klm C180-0

Imax: 1518 cd/klm



Classifications

DIN 5040	A 8 0
CIE	N1=98 N2=100 N3=100 N4=100 N5=100

Luminaire light output ratios

ηLB	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

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0,0°	1518.5	2.3	2.3
2,5°	1503.9	18.0	20.3
5,0°	1467.3	35.1	55.3
7,5°	1410.8	50.5	105.8
10,0°	1345.0	64.0	169.8
12,5°	1273.2	75.5	245.4
15,0°	1192.8	84.6	330.0
17,5°	1102.1	90.9	420.8
20,0°	1020.8	95.7	516.6
22,5°	932.5	97.8	614.4
25,0°	836.7	96.9	711.3
27,5°	696.4	88.2	799.5
30,0°	514.1	70.5	869.9
32,5°	318.7	46.9	916.9
35,0°	172.5	27.1	944.0
37,5°	109.8	18.3	962.3
40,0°	70.5	12.4	974.8
42,5°	44.6	8.3	983.0
45,0°	28.1	5.4	988.5
47,5°	17.7	3.6	992.0
50,0°	11.6	2.4	994.5
52,5°	7.9	1.7	996.2
55,0°	5.3	1.2	997.4
57,5°	3.6	0.8	998.2
60,0°	2.5	0.6	998.8
62,5°	1.8	0.4	999.3
65,0°	1.2	0.3	999.6
67,5°	0.8	0.2	999.8
70,0°	0.5	0.1	999.9
72,5°	0.3	0.1	1000.0
75,0°	0.1	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	18.9	20.0	19.2	20.3	20.6	18.9	20.0	19.2	20.3	20.6
	3H	18.7	19.7	19.1	20.0	20.4	18.7	19.7	19.1	20.0	20.4
	4H	18.6	19.5	19.0	19.9	20.2	18.6	19.5	19.0	19.9	20.2
	6H	18.5	19.3	19.0	19.7	20.1	18.5	19.3	19.0	19.7	20.1
	8H	18.7	19.3	19.1	19.6	20.0	18.7	19.3	19.1	19.6	20.0
	12H	18.6	19.2	19.1	19.5	20.0	18.6	19.2	19.1	19.5	20.0
4H	2H	18.6	19.5	19.0	19.9	20.2	18.6	19.5	19.0	19.9	20.2
	3H	18.5	19.2	18.9	19.6	20.0	18.5	19.2	18.9	19.6	20.0
	4H	18.3	19.0	18.8	19.4	19.8	18.3	19.0	18.8	19.4	19.8
	6H	18.2	18.8	18.7	19.2	19.7	18.2	18.8	18.7	19.2	19.7
	8H	18.2	18.7	18.7	19.1	19.6	18.2	18.7	18.7	19.1	19.6
	12H	18.2	18.6	18.7	19.0	19.5	18.2	18.6	18.7	19.0	19.5
8H	4H	18.2	18.7	18.7	19.1	19.6	18.2	18.7	18.7	19.1	19.6
	6H	18.1	18.5	18.6	18.9	19.4	18.1	18.5	18.6	18.9	19.4
	8H	18.0	18.3	18.5	18.8	19.4	18.0	18.3	18.5	18.8	19.4
	12H	18.0	18.2	18.5	18.7	19.3	18.0	18.2	18.5	18.7	19.3
12H	4H	18.2	18.6	18.7	19.0	19.5	18.2	18.6	18.7	19.0	19.5
	6H	18.0	18.3	18.6	18.8	19.4	18.0	18.3	18.6	18.8	19.4
	8H	18.0	18.2	18.5	18.7	19.3	18.0	18.2	18.5	18.7	19.3

Luminance table

Max. for $\gamma >= 65°$

Photometric dimensions in mm: D = 82

C-planes	0°
γ	Luminance in cd/m²
45,0°	20436.5
50,0°	9314.1
55,0°	4769.1
60,0°	2580.4
65,0°	1464.9
70,0°	754.5
75,0°	199.0
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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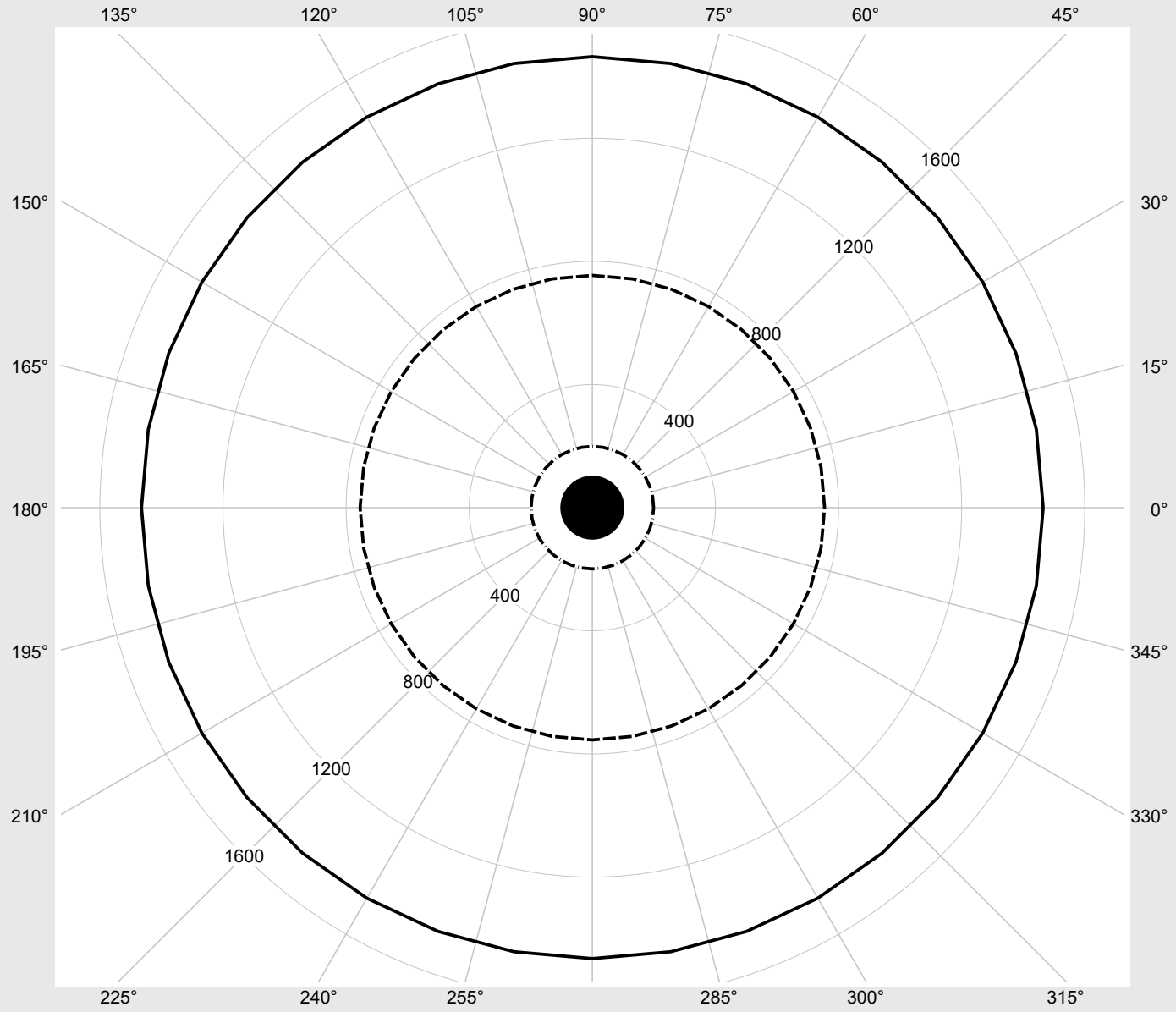

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Multilumen Table

environmental temperature: 25°C

DIP-Step	Switch Setting 1	2	3	4	Luminous flux [lm]	Power consumption [W]
11	ON	OFF	ON	ON	3660	28.1
10	ON	OFF	ON	OFF	3430	25.9
9	ON	OFF	OFF	ON	3200	23.8
8	ON	OFF	OFF	OFF	2960	21.7
7	OFF	ON	ON	ON	2720	19.8
6	OFF	ON	ON	OFF	2470	17.7
5	OFF	ON	OFF	ON	2210	15.7
4	OFF	ON	OFF	OFF	1950	13.8
3	OFF	OFF	ON	ON	1690	11.7
2	OFF	OFF	ON	OFF	1410	9.9
1	OFF	OFF	OFF	ON	1140	8.1
0	OFF	OFF	OFF	OFF	850	6.2