

Photometric test report

Family
Spot 21 Standard

Order number: 51SE14MB11A2C
EAN: 4069025447135

LP number
59931_27



Version housing, white, reflector, cover glass, transparent, wide distribution

Lamps LED 2700 K | CRI ≥ 90

Controlgear ECG Multilumen

Setting factory setting: DIP-Step=4

Rated values Net luminous flux = 2710 lm
Power consumption = 18.5 W
Luminous efficacy = 146.5 lm/W

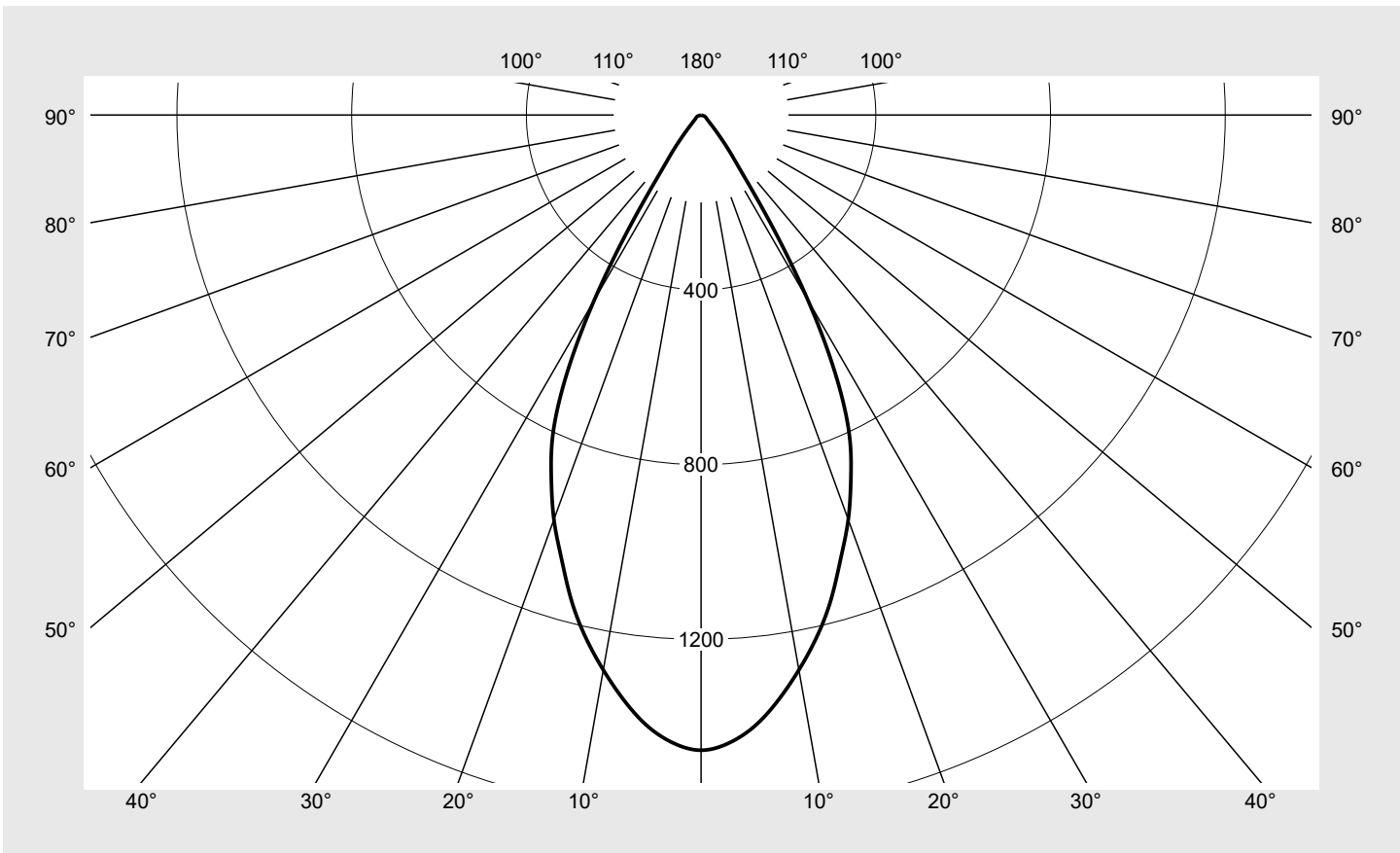
serial
documentation
11.05.2026

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Luminous intensity in cd/klm

C180-0

Imax: 1454 cd/klm



Classifications

DIN 5040 A 7 0
CIE N1=94 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°	1453.7	2.2	2.2
2,5°	1438.9	17.2	19.4
5,0°	1404.1	33.5	52.9
7,5°	1351.1	48.3	101.3
10,0°	1289.5	61.4	162.7
12,5°	1223.4	72.6	235.2
15,0°	1148.5	81.5	316.7
17,5°	1063.6	87.7	404.4
20,0°	985.2	92.4	496.8
22,5°	896.4	94.0	590.8
25,0°	801.5	92.9	683.7
27,5°	663.4	84.0	767.6
30,0°	489.2	67.1	834.7
32,5°	307.3	45.3	880.0
35,0°	173.2	27.2	907.2
37,5°	114.5	19.1	926.3
40,0°	77.4	13.6	940.0
42,5°	52.8	9.8	949.7
45,0°	37.7	7.3	957.0
47,5°	28.4	5.7	962.8
50,0°	22.7	4.8	967.6
52,5°	19.1	4.2	971.7
55,0°	16.7	3.8	975.5
57,5°	15.0	3.5	978.9
60,0°	13.6	3.2	982.2
62,5°	12.4	3.0	985.2
65,0°	11.2	2.8	988.0
67,5°	10.1	2.6	990.6
70,0°	9.0	2.3	992.9
72,5°	7.7	2.0	994.9
75,0°	6.2	1.6	996.5
77,5°	4.7	1.3	997.8
80,0°	3.6	1.0	998.8
82,5°	2.5	0.7	999.5
85,0°	1.5	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	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	19.5	20.6	19.8	20.9	21.2	19.5	20.6	19.8	20.9	21.2
	3H	19.8	20.8	20.2	21.1	21.5	19.8	20.8	20.2	21.1	21.5
	4H	20.0	20.9	20.3	21.2	21.6	20.0	20.9	20.3	21.2	21.6
	6H	20.0	20.9	20.5	21.2	21.6	20.0	20.9	20.5	21.2	21.6
	8H	20.2	20.9	20.7	21.3	21.7	20.2	20.9	20.7	21.3	21.7
	12H	20.2	20.8	20.7	21.2	21.6	20.2	20.8	20.7	21.2	21.6
4H	2H	19.5	20.4	19.9	20.7	21.1	19.5	20.4	19.9	20.7	21.1
	3H	19.9	20.7	20.3	21.0	21.5	19.9	20.7	20.3	21.0	21.5
	4H	20.2	20.8	20.6	21.2	21.7	20.2	20.8	20.6	21.2	21.7
	6H	20.3	20.9	20.8	21.3	21.8	20.3	20.9	20.8	21.3	21.8
	8H	20.4	20.9	20.9	21.4	21.8	20.4	20.9	20.9	21.4	21.8
	12H	20.5	20.9	21.0	21.3	21.9	20.5	20.9	21.0	21.3	21.9
8H	4H	20.2	20.7	20.7	21.2	21.6	20.2	20.7	20.7	21.2	21.6
	6H	20.5	20.9	21.0	21.3	21.9	20.5	20.9	21.0	21.3	21.9
	8H	20.5	20.9	21.1	21.4	21.9	20.5	20.9	21.1	21.4	21.9
	12H	20.6	20.9	21.2	21.4	22.0	20.6	20.9	21.2	21.4	22.0
12H	4H	20.2	20.6	20.7	21.1	21.6	20.2	20.6	20.7	21.1	21.6
	6H	20.5	20.8	21.0	21.3	21.8	20.5	20.8	21.0	21.3	21.8
	8H	20.6	20.9	21.1	21.4	21.9	20.6	20.9	21.1	21.4	21.9

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°	27339.2
50,0°	18156.5
55,0°	14969.5
60,0°	13984.6
65,0°	13625.0
70,0°	13528.9
75,0°	12316.5
80,0°	10659.3
85,0°	8849.4

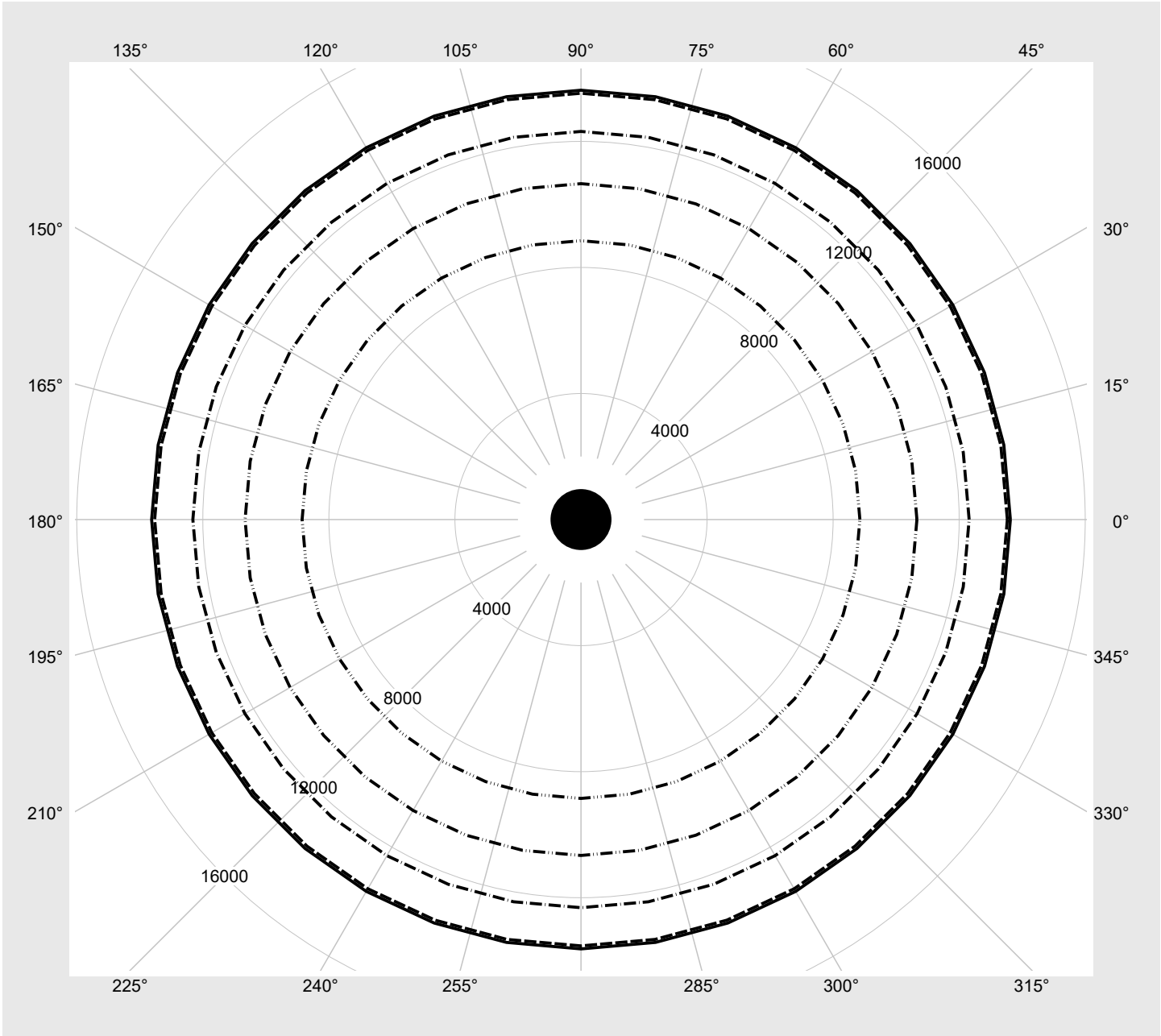
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Luminance values in cd/m²

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		
0	OFF	OFF	OFF	3650	26.5
1	ON	OFF	OFF	3420	24.5
2	OFF	ON	OFF	3190	22.5
3	ON	ON	OFF	2950	20.5
4	OFF	OFF	ON	2710	18.5
5	ON	OFF	ON	2460	16.6
6	OFF	ON	ON	2210	14.8
7	ON	ON	ON	1950	12.9