

Photometric test report

Family
Spot 21 Modario®

Order number: 51SM14MB11A2C
EAN: 4069025531483

LP number
59886_18



Version reflector, cover, polycarbonate, rotationally symmetrical wide distribution

Lamps LED 2700 K | CRI ≥ 90

Controlgear ECG Multilumen

Setting factory setting: DIP-Step=9

Rated values Net luminous flux = 3860 lm
Power consumption = 28.7 W
Luminous efficacy = 134.5 lm/W

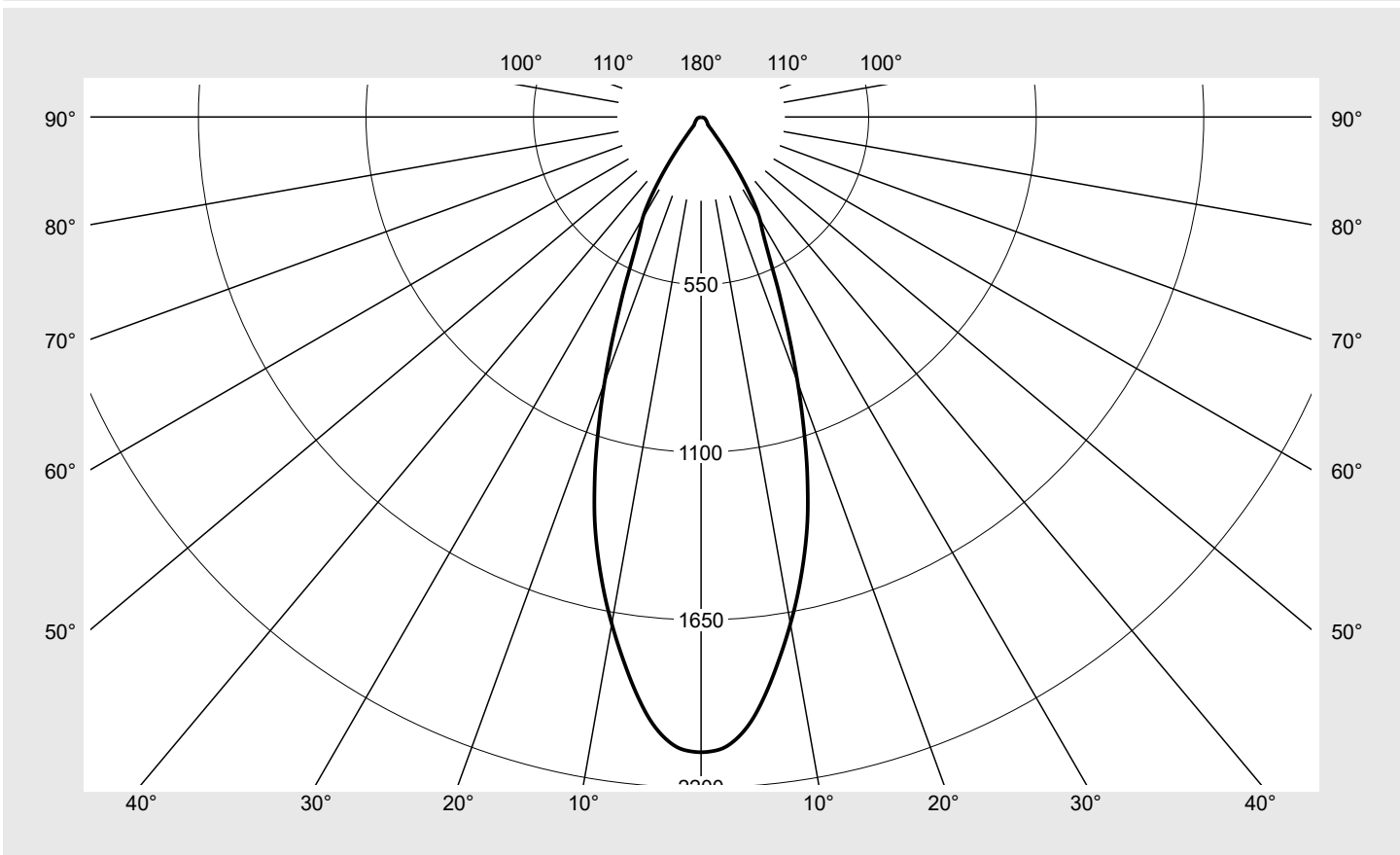
serial
documentation
21.05.2026

sitEco

Luminous intensity in cd/klm

C180-0

Imax: 2084 cd/klm



Classifications

DIN 5040 A 7 0
CIE N1=93 N2=97 N3=99
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

Photometric test report

Family Spot 21 Modario®	Order number: 51SM14MB11A2C EAN: 4069025531483	LP number 59886_18
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
0°	2084.2	0.5	0.5
1°	2081.2	4.0	4.5
2°	2072.1	7.9	12.4
3°	2050.8	11.8	24.2
4°	2019.3	15.4	39.6
5°	1977.7	18.9	58.5
6°	1925.9	22.1	80.6
7°	1869.1	25.0	105.6
8°	1809.3	27.6	133.2
9°	1749.4	30.0	163.2
10°	1688.5	32.2	195.4
11°	1626.6	34.0	229.4
12°	1561.7	35.6	265.0
13°	1494.7	36.9	301.9
14°	1425.7	37.8	339.7
15°	1351.6	38.4	378.1
16°	1269.4	38.4	416.4
17°	1186.2	38.0	454.5
18°	1097.9	37.2	491.7
19°	1011.8	36.1	527.8
20°	926.4	34.7	562.5
21°	843.7	33.2	595.7
22°	765.0	31.4	627.1
23°	690.3	29.6	656.7
24°	626.6	27.9	684.6
25°	563.1	26.1	710.7
26°	510.4	24.5	735.3
27°	467.8	23.3	758.6
28°	433.7	22.3	780.9
29°	407.7	21.7	802.6
30°	384.1	21.1	823.6
31°	352.2	19.9	843.5
32°	313.7	18.2	861.7
33°	272.0	16.2	878.0
34°	229.5	14.1	892.1
35°	187.4	11.8	903.9
36°	146.9	9.5	913.3
37°	109.3	7.2	920.5
38°	76.0	5.1	925.7
39°	57.5	4.0	929.6
40°	39.2	2.8	932.4
41°	36.2	2.6	935.0
42°	33.7	2.5	937.5
43°	32.3	2.4	939.9
44°	31.1	2.4	942.3
45°	29.8	2.3	944.6
46°	28.8	2.3	946.8

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	27.8	2.2	949.1
48°	26.8	2.2	951.3
49°	25.9	2.1	953.4
50°	24.9	2.1	955.5
51°	24.0	2.0	957.5
52°	23.1	2.0	959.5
53°	22.3	2.0	961.5
54°	21.5	1.9	963.4
55°	20.8	1.9	965.3
56°	20.0	1.8	967.1
57°	19.4	1.8	968.9
58°	18.7	1.7	970.6
59°	18.1	1.7	972.3
60°	17.5	1.7	974.0
61°	17.0	1.6	975.6
62°	16.4	1.6	977.2
63°	15.9	1.6	978.8
64°	15.4	1.5	980.3
65°	14.9	1.5	981.8
66°	14.4	1.4	983.2
67°	13.9	1.4	984.6
68°	13.4	1.4	986.0
69°	12.9	1.3	987.3
70°	12.4	1.3	988.6
71°	11.9	1.2	989.8
72°	11.4	1.2	991.0
73°	10.9	1.1	992.1
74°	10.4	1.1	993.2
75°	9.7	1.0	994.3
76°	9.0	1.0	995.2
77°	7.5	0.8	996.0
78°	6.3	0.7	996.7
79°	5.7	0.6	997.3
80°	5.0	0.5	997.9
81°	4.4	0.5	998.3
82°	3.8	0.4	998.7
83°	3.2	0.3	999.1
84°	2.6	0.3	999.4
85°	2.1	0.2	999.6
86°	1.6	0.2	999.8
87°	1.1	0.1	999.9
88°	0.7	0.1	1000.0
89°	0.2	0.0	1000.0
90°	0.1	0.0	1000.0

Photometric test report

Family Spot 21 Modario®	Order number: 51SM14MB11A2C EAN: 4069025531483	LP number 59886_18
-----------------------------------	---	------------------------------

UGR-Table	Standard room	siteco
------------------	----------------------	---------------

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	20.4	21.5	20.8	21.9	22.2	20.4	21.5	20.8	21.9	22.2
	3H	21.1	22.1	21.5	22.4	22.8	21.1	22.1	21.5	22.4	22.8
	4H	21.5	22.4	21.9	22.8	23.1	21.5	22.4	21.9	22.8	23.1
	6H	21.8	22.6	22.2	22.9	23.3	21.8	22.6	22.2	22.9	23.3
	8H	22.0	22.6	22.4	23.0	23.4	22.0	22.6	22.4	23.0	23.4
	12H	22.0	22.6	22.4	23.0	23.4	22.0	22.6	22.4	23.0	23.4
4H	2H	20.6	21.4	21.0	21.8	22.2	20.6	21.4	21.0	21.8	22.2
	3H	21.5	22.2	21.9	22.6	23.0	21.5	22.2	21.9	22.6	23.0
	4H	22.0	22.7	22.5	23.1	23.5	22.0	22.7	22.5	23.1	23.5
	6H	22.4	22.9	22.9	23.4	23.8	22.4	22.9	22.9	23.4	23.8
	8H	22.5	23.0	23.0	23.4	23.9	22.5	23.0	23.0	23.4	23.9
	12H	22.6	23.0	23.1	23.5	24.0	22.6	23.0	23.1	23.5	24.0
8H	4H	22.2	22.7	22.7	23.1	23.6	22.2	22.7	22.7	23.1	23.6
	6H	22.7	23.0	23.2	23.5	24.0	22.7	23.0	23.2	23.5	24.0
	8H	22.8	23.1	23.3	23.6	24.2	22.8	23.1	23.3	23.6	24.2
	12H	22.9	23.2	23.4	23.7	24.2	22.9	23.2	23.4	23.7	24.2
12H	4H	22.2	22.6	22.7	23.1	23.6	22.2	22.6	22.7	23.1	23.6
	6H	22.7	23.0	23.2	23.5	24.0	22.7	23.0	23.2	23.5	24.0
	8H	22.8	23.1	23.4	23.6	24.2	22.8	23.1	23.4	23.6	24.2

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 85
------------------------	---	---

C-planes	0°
γ	Luminance in cd/m²
45°	28670.5
50°	26320.0
55°	24657.2
60°	23800.1
65°	24026.1
70°	24682.0
75°	25620.0
80°	19739.4
85°	16327.7

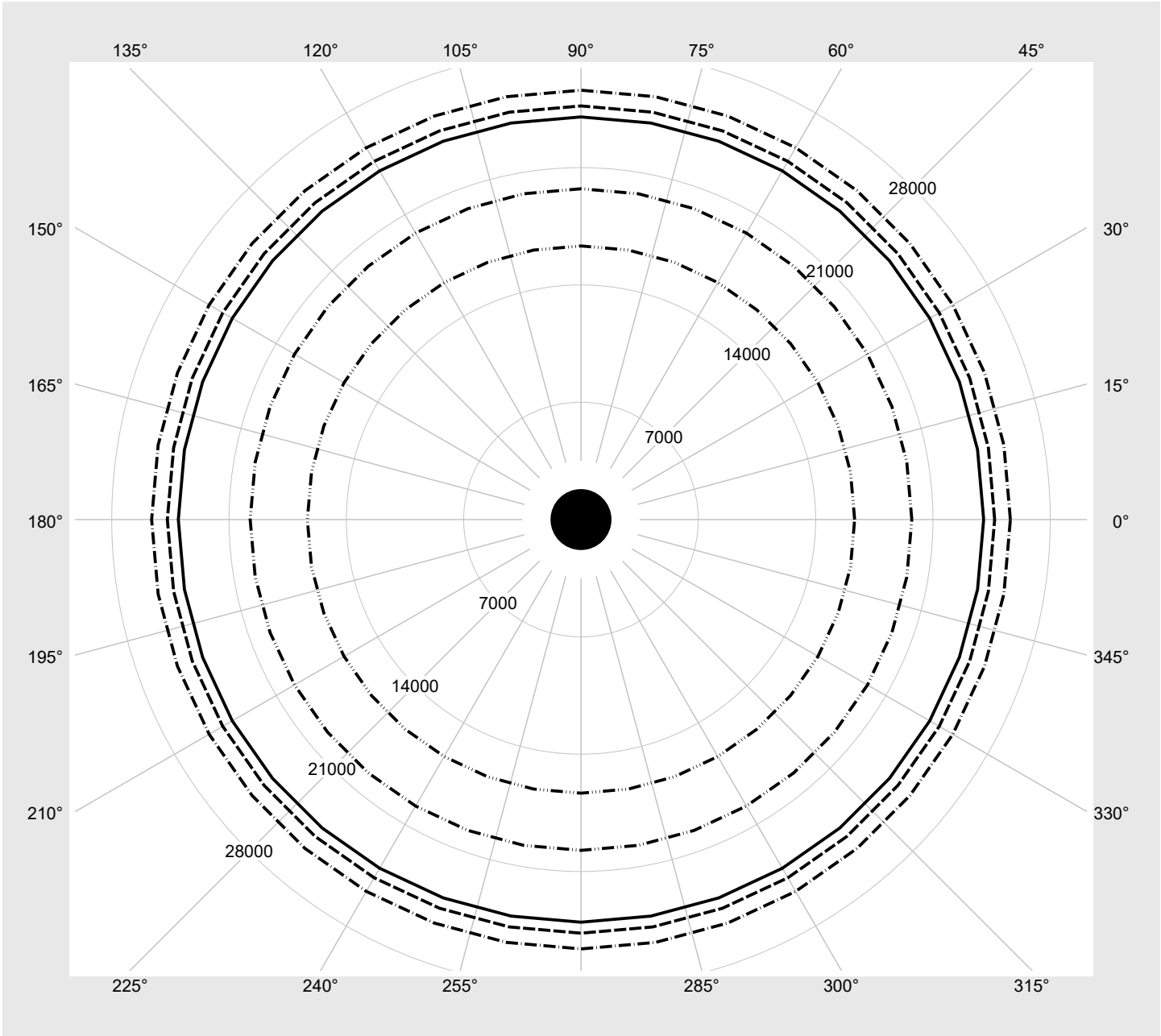
Photometric test report

Family Spot 21 Modario®	Order number: 51SM14MB11A2C EAN: 4069025531483	LP number 59886_18
-----------------------------------	---	------------------------------



Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



Photometric test report

Family Spot 21 Modario®	Order number: 51SM14MB11A2C EAN: 4069025531483	LP number 59886_18
-----------------------------------	---	------------------------------

Multilumen Table	environmental temperature: 25°C	siteco
-------------------------	---------------------------------	---------------

DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
15	ON	ON	ON	ON	5000	40.4
14	ON	ON	ON	OFF	4880	38.5
13	ON	ON	OFF	ON	4660	36.6
12	ON	ON	OFF	OFF	4480	34.7
11	ON	OFF	ON	ON	4290	32.6
10	ON	OFF	ON	OFF	4090	30.7
9	ON	OFF	OFF	ON	3860	28.7
8	ON	OFF	OFF	OFF	3670	26.8
7	OFF	ON	ON	ON	3360	24.3
6	OFF	ON	ON	OFF	3080	22.4
5	OFF	ON	OFF	ON	2900	20.6
4	OFF	ON	OFF	OFF	2660	18.7
3	OFF	OFF	ON	ON	2410	16.6
2	OFF	OFF	ON	OFF	2130	14.8
1	OFF	OFF	OFF	ON	1890	13.0
0	OFF	OFF	OFF	OFF	1540	11.2