

Photometric test report

Family Spot 21 Performance

Order number: 51SD13DB11C3B
EAN: 4069025538338

LP number
59943_11



Version	housing, white, reflector, cover glass, transparent, medium distribution
Lamps	LED 3500 K CRI ≥ 90
Controlgear	ECG-DALI-Multilumen
Setting	factory setting: DIP-Step=8
Rated values	Net luminous flux = 3490 lm Power consumption = 22.3 W Luminous efficacy = 156.5 lm/W

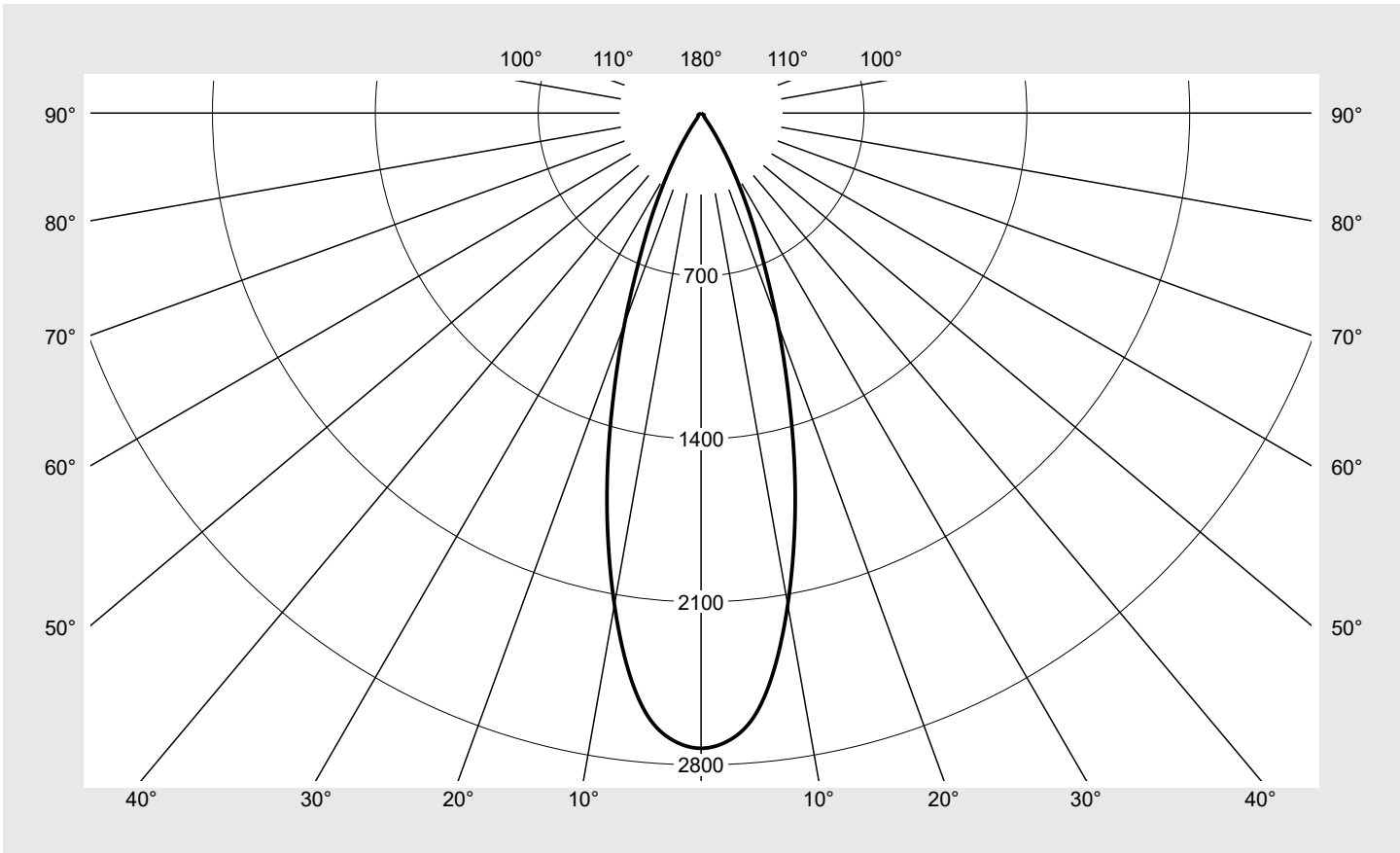
serial
documentation
11.05.2026

sitEco

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

Photometric test report

Family Spot 21 Performance	Order number: 51SD13DB11C3B EAN: 4069025538338	LP number 59943_11
--------------------------------------	---	------------------------------



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°	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

Photometric test report

Family Spot 21 Performance	Order number: 51SD13DB11C3B EAN: 4069025538338	LP number 59943_11
--------------------------------------	---	------------------------------

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	16.3	17.3	16.7	17.6	18.0	16.3	17.3	16.7	17.6	18.0
	3H	17.7	18.6	18.1	19.0	19.3	17.7	18.6	18.1	19.0	19.3
	4H	18.4	19.2	18.8	19.5	19.9	18.4	19.2	18.8	19.5	19.9
	6H	18.8	19.5	19.2	19.9	20.3	18.8	19.5	19.2	19.9	20.3
	8H	19.0	19.6	19.5	20.0	20.4	19.0	19.6	19.5	20.0	20.4
	12H	19.1	19.6	19.5	20.0	20.4	19.1	19.6	19.5	20.0	20.4
4H	2H	16.8	17.6	17.2	17.9	18.3	16.8	17.6	17.2	17.9	18.3
	3H	18.4	19.1	18.9	19.5	19.9	18.4	19.1	18.9	19.5	19.9
	4H	19.2	19.8	19.6	20.2	20.6	19.2	19.8	19.6	20.2	20.6
	6H	19.7	20.2	20.2	20.6	21.1	19.7	20.2	20.2	20.6	21.1
	8H	19.9	20.3	20.4	20.8	21.2	19.9	20.3	20.4	20.8	21.2
	12H	20.0	20.3	20.5	20.8	21.3	20.0	20.3	20.5	20.8	21.3
8H	4H	19.5	19.9	19.9	20.3	20.8	19.5	19.9	19.9	20.3	20.8
	6H	20.1	20.4	20.6	20.9	21.4	20.1	20.4	20.6	20.9	21.4
	8H	20.3	20.6	20.8	21.1	21.6	20.3	20.6	20.8	21.1	21.6
	12H	20.4	20.7	21.0	21.2	21.7	20.4	20.7	21.0	21.2	21.7
12H	4H	19.5	19.8	20.0	20.3	20.8	19.5	19.8	20.0	20.3	20.8
	6H	20.1	20.4	20.6	20.9	21.4	20.1	20.4	20.6	20.9	21.4
	8H	20.3	20.6	20.9	21.1	21.6	20.3	20.6	20.9	21.1	21.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 82
------------------------	---	---

C-planes	0°
γ	Luminance in cd/m²
45,0°	16512.4
50,0°	15997.4
55,0°	16424.2
60,0°	17779.7
65,0°	18993.0
70,0°	19395.6
75,0°	17942.4
80,0°	15280.0
85,0°	12177.5

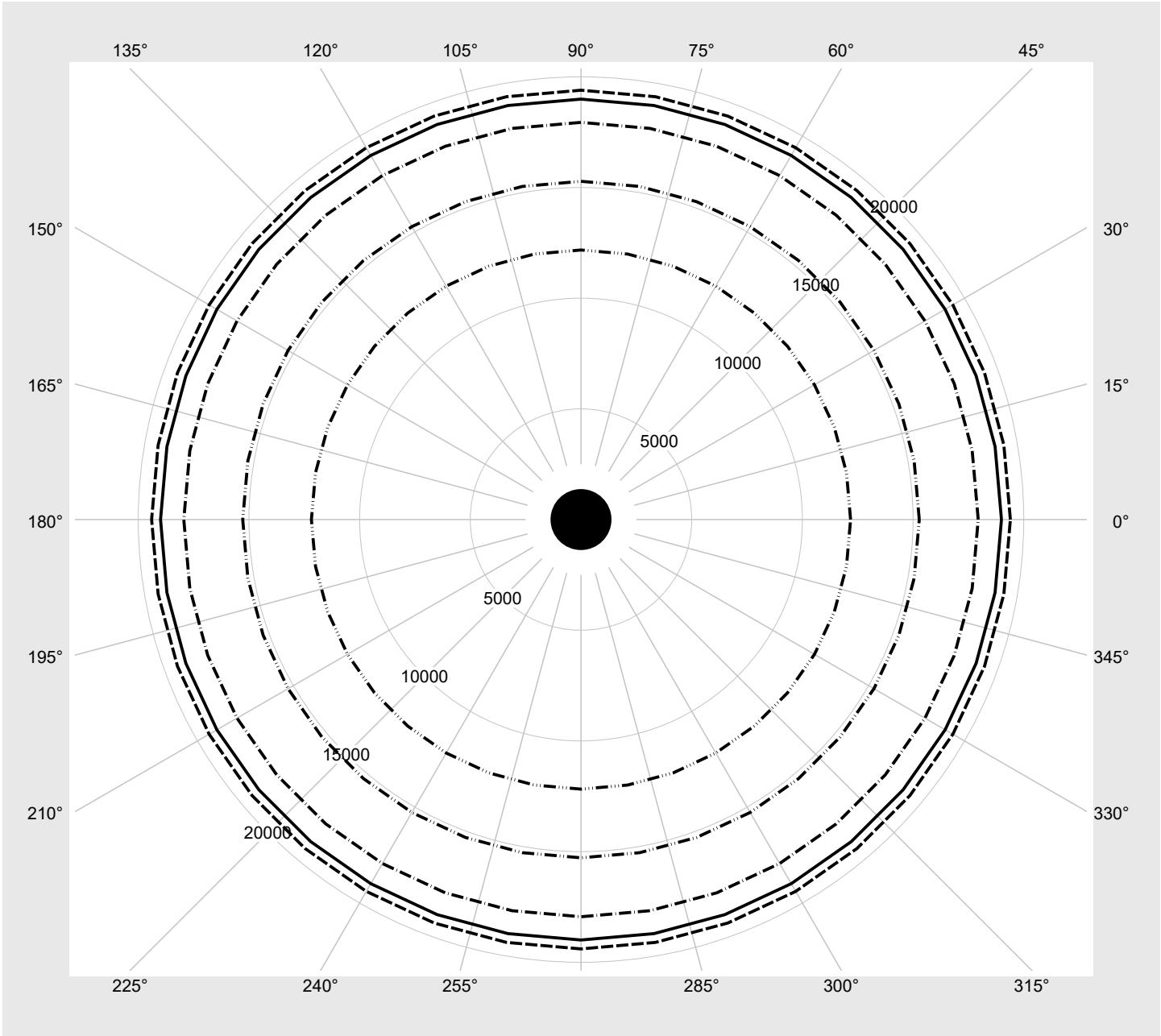
Photometric test report

Family Spot 21 Performance	Order number: 51SD13DB11C3B EAN: 4069025538338	LP number 59943_11
--------------------------------------	---	------------------------------



Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



Photometric test report

Family Spot 21 Performance	Order number: 51SD13DB11C3B EAN: 4069025538338	LP number 59943_11
--------------------------------------	---	------------------------------

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

DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
11	ON	OFF	ON	ON	4370	28.6
10	ON	OFF	ON	OFF	4080	26.4
9	ON	OFF	OFF	ON	3790	24.4
8	ON	OFF	OFF	OFF	3490	22.3
7	OFF	ON	ON	ON	3190	20.4
6	OFF	ON	ON	OFF	2880	18.3
5	OFF	ON	OFF	ON	2570	16.2
4	OFF	ON	OFF	OFF	2260	14.3
3	OFF	OFF	ON	ON	1940	12.2
2	OFF	OFF	ON	OFF	1620	10.4
1	OFF	OFF	OFF	ON	1300	8.5
0	OFF	OFF	OFF	OFF	960	6.6