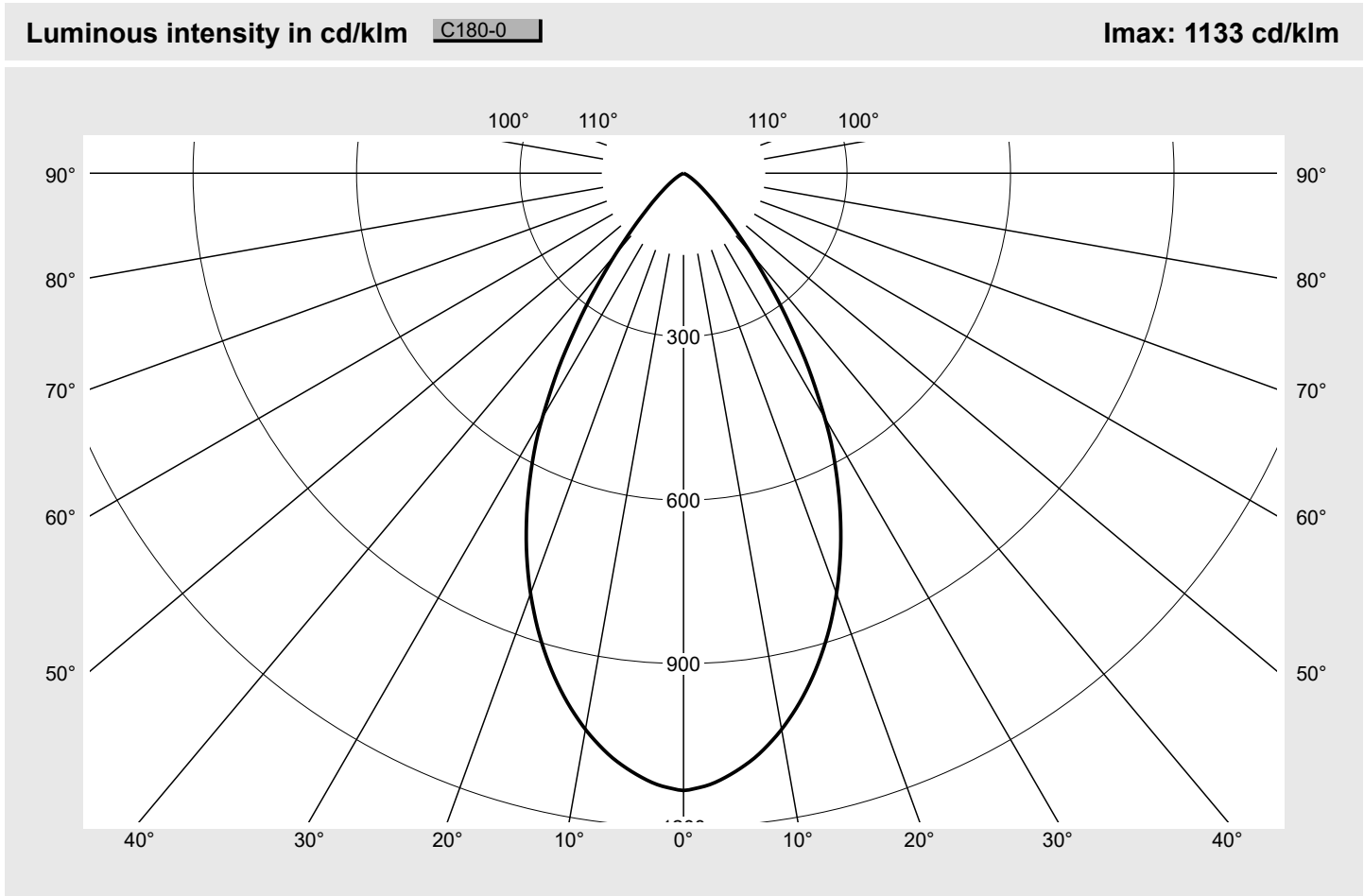


Photometric test report

Family Lunis 21 	Order number: 51DB19EF91C EAN: 4069025012937	LP number 59688_5
	Version	recessed luminaire, Combined lens and reflector optics, reflector, aluminium, matt, rotationally symmetrical wide distribution, adjustable color temperature: 3000K 4000K 6500K, UGR≤19 (L65≤1000cd/m²)
	Lamps Controlgear Setting Rated values	LED 4000 K CRI ≥ 80 ECG Multilumen factory setting: DIP-Step=6, colour temperature 4000K Net luminous flux = 2310 lm Power consumption = 13.6 W Luminous efficacy = 169.9 lm/W

serial documentation27.09.2024

siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 7 0	η_{LB}	100.0%
CIE	N1=91 N2=99 N3=100	ϕ_u	100.0%
	N4=100 N5=100	ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Lunis 21	Order number: 51DB19EF91C EAN: 4069025012937	LP number 59688_5
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°	1132.8	0.3	0.3
1°	1129.7	2.2	2.4
2°	1125.6	4.3	6.7
3°	1119.3	6.4	13.2
4°	1111.1	8.5	21.7
5°	1101.7	10.5	32.2
6°	1091.4	12.5	44.7
7°	1080.0	14.4	59.1
8°	1066.5	16.3	75.4
9°	1052.0	18.0	93.5
10°	1036.5	19.7	113.2
11°	1019.3	21.3	134.5
12°	1001.4	22.8	157.4
13°	982.2	24.2	181.6
14°	962.1	25.5	207.1
15°	940.8	26.7	233.8
16°	918.6	27.8	261.6
17°	895.5	28.7	290.3
18°	871.6	29.5	319.8
19°	846.2	30.2	350.0
20°	820.8	30.8	380.8
21°	794.1	31.2	412.0
22°	766.6	31.5	443.5
23°	738.4	31.6	475.2
24°	709.1	31.6	506.8
25°	679.4	31.5	538.3
26°	648.6	31.2	569.5
27°	617.8	30.8	600.2
28°	586.4	30.2	630.4
29°	554.2	29.5	659.9
30°	517.9	28.4	688.3
31°	481.7	27.2	715.5
32°	447.3	26.0	741.5
33°	413.2	24.7	766.1
34°	376.5	23.1	789.2
35°	342.0	21.5	810.7
36°	309.9	20.0	830.7
37°	277.8	18.3	849.0
38°	246.4	16.6	865.7
39°	219.3	15.1	880.8
40°	194.3	13.7	894.5
41°	169.2	12.2	906.7
42°	148.4	10.9	917.6
43°	130.2	9.7	927.3
44°	113.3	8.6	935.9
45°	98.6	7.6	943.6
46°	86.9	6.9	950.4

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	76.7	6.1	956.6
48°	66.5	5.4	962.0
49°	58.3	4.8	966.8
50°	50.6	4.2	971.1
51°	44.6	3.8	974.9
52°	38.9	3.4	978.2
53°	33.9	3.0	981.2
54°	29.4	2.6	983.8
55°	25.5	2.3	986.1
56°	21.9	2.0	988.1
57°	18.8	1.7	989.8
58°	15.9	1.5	991.3
59°	13.4	1.3	992.6
60°	11.2	1.1	993.6
61°	9.2	0.9	994.5
62°	7.5	0.7	995.2
63°	6.0	0.6	995.8
64°	4.8	0.5	996.3
65°	3.7	0.4	996.7
66°	2.9	0.3	997.0
67°	2.4	0.2	997.2
68°	2.2	0.2	997.4
69°	2.1	0.2	997.7
70°	1.9	0.2	997.9
71°	1.8	0.2	998.0
72°	1.7	0.2	998.2
73°	1.6	0.2	998.4
74°	1.5	0.2	998.6
75°	1.4	0.2	998.7
76°	1.3	0.1	998.8
77°	1.2	0.1	999.0
78°	1.2	0.1	999.1
79°	1.1	0.1	999.2
80°	1.0	0.1	999.3
81°	0.9	0.1	999.4
82°	0.9	0.1	999.5
83°	0.8	0.1	999.6
84°	0.7	0.1	999.7
85°	0.7	0.1	999.8
86°	0.6	0.1	999.8
87°	0.6	0.1	999.9
88°	0.5	0.1	999.9
89°	0.5	0.1	1000.0
90°	0.0	0.0	1000.0
180°	0.0	0.0	1000.0

Photometric test report

Family Lunis 21		Order number: 51DB19EF91C EAN: 4069025012937							LP number 59688_5	
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
Reflection factor of walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3
Reflection factor of floor		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)			
2H	x									
	y									
	2H	17.1	18.3	17.5	18.6	19.0	17.1	18.3	17.5	18.6
	3H	17.0	18.0	17.4	18.4	18.7	17.0	18.0	17.4	18.4
	4H	16.9	17.9	17.3	18.2	18.6	16.9	17.9	17.3	18.2
	6H	16.8	17.7	17.3	18.1	18.5	16.8	17.7	17.3	18.1
4H	8H	16.9	17.6	17.3	18.0	18.4	16.9	17.6	17.3	18.0
	12H	16.9	17.5	17.3	17.9	18.4	16.9	17.5	17.3	17.9
	2H	16.9	17.9	17.3	18.3	18.6	16.9	17.9	17.3	18.3
	3H	16.8	17.6	17.2	18.0	18.4	16.8	17.6	17.2	18.0
	4H	16.7	17.4	17.1	17.8	18.2	16.7	17.4	17.1	17.8
	6H	16.6	17.2	17.1	17.6	18.1	16.6	17.2	17.1	17.6
8H	8H	16.6	17.1	17.0	17.5	18.0	16.6	17.1	17.0	17.5
	12H	16.6	17.0	17.1	17.5	18.0	16.6	17.0	17.1	17.5
	4H	16.6	17.1	17.0	17.5	18.0	16.6	17.1	17.0	17.5
	6H	16.5	16.9	17.0	17.4	17.9	16.5	16.9	17.0	17.4
	8H	16.4	16.8	16.9	17.3	17.8	16.4	16.8	16.9	17.3
	12H	16.4	16.7	16.9	17.2	17.7	16.4	16.7	16.9	17.2
12H	4H	16.6	17.0	17.1	17.4	17.9	16.6	17.0	17.1	17.4
	6H	16.4	16.8	17.0	17.3	17.8	16.4	16.8	17.0	17.3
	8H	16.4	16.7	16.9	17.2	17.7	16.4	16.7	16.9	17.2
	2H	16.6	17.0	17.1	17.4	17.9	16.6	17.0	17.1	17.4
	3H	16.5	16.9	17.0	17.4	17.9	16.5	16.9	17.0	17.4
	4H	16.4	16.8	16.9	17.3	17.8	16.4	16.8	16.9	17.3

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 182
C-planes	0°			
γ	Luminance in cd/m²			
45°	12387.6			
50°	6987.3			
55°	3944.9			
60°	1991.6			
65°	783.9			
70°	505.7			
75°	486.5			
80°	517.5			
85°	666.3			

Photometric test report

Family
Lunis 21

Order number: 51DB19EF91C
EAN: 4069025012937

LP number
59688_5

Luminance values in cd/m²

γ 65°

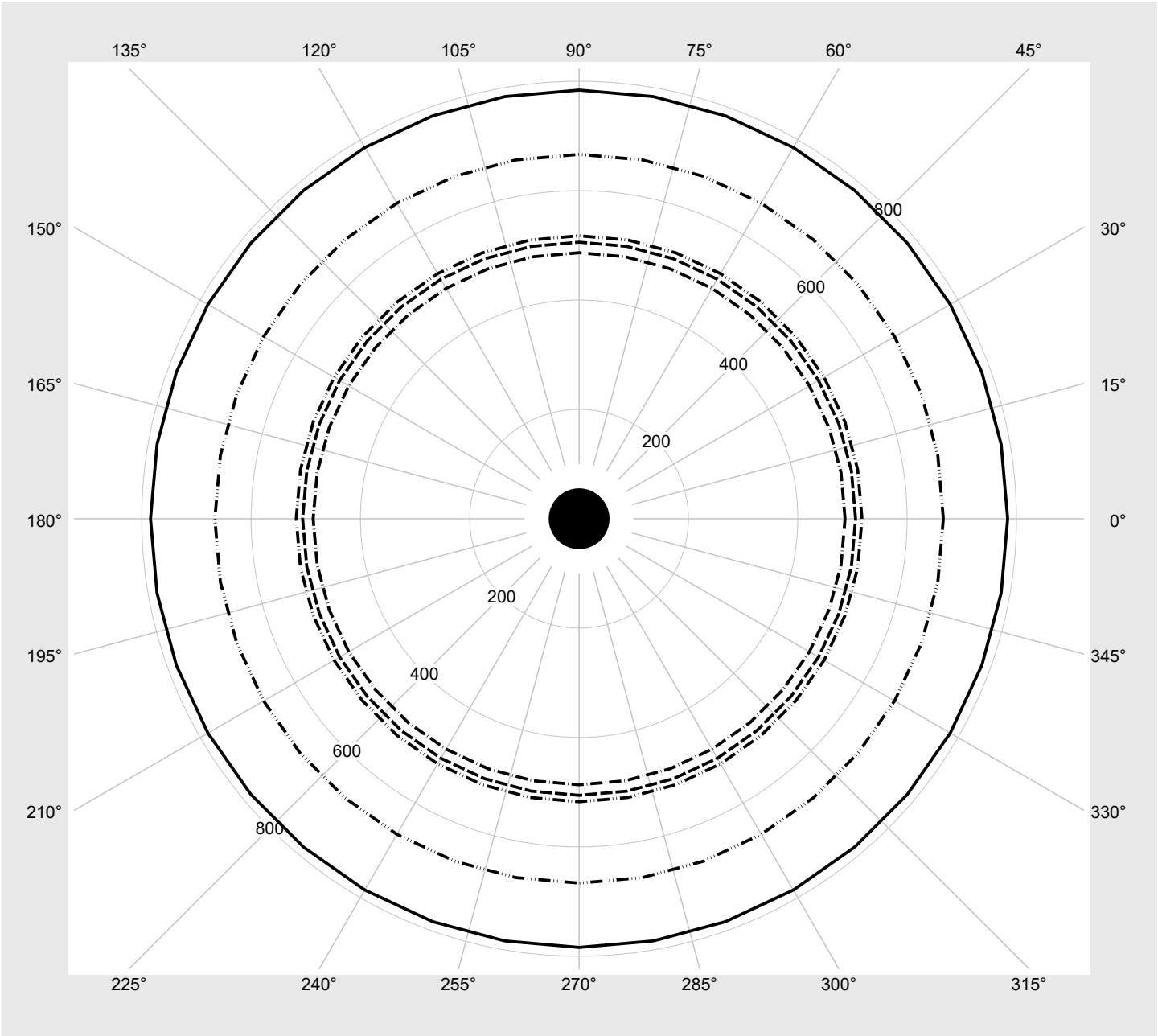
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family
Lunis 21

Order number: 51DB19EF91C
EAN: 4069025012937

LP number
59688_5

Multilumen Table

environmental temperature: 25°C

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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
12	ON	ON	OFF	OFF	3940	25.4
11	ON	OFF	ON	ON	3480	21.7
10	ON	OFF	ON	OFF	3330	20.6
9	ON	OFF	OFF	ON	3150	19.1
8	ON	OFF	OFF	OFF	2970	17.7
7	OFF	ON	ON	ON	2590	15.3
6	OFF	ON	ON	OFF	2310	13.6
5	OFF	ON	OFF	ON	2070	12.1
4	OFF	ON	OFF	OFF	1780	10.4
3	OFF	OFF	ON	ON	1670	9.7
2	OFF	OFF	ON	OFF	1390	8.0
1	OFF	OFF	OFF	ON	1060	6.1
0	OFF	OFF	OFF	OFF	770	4.4