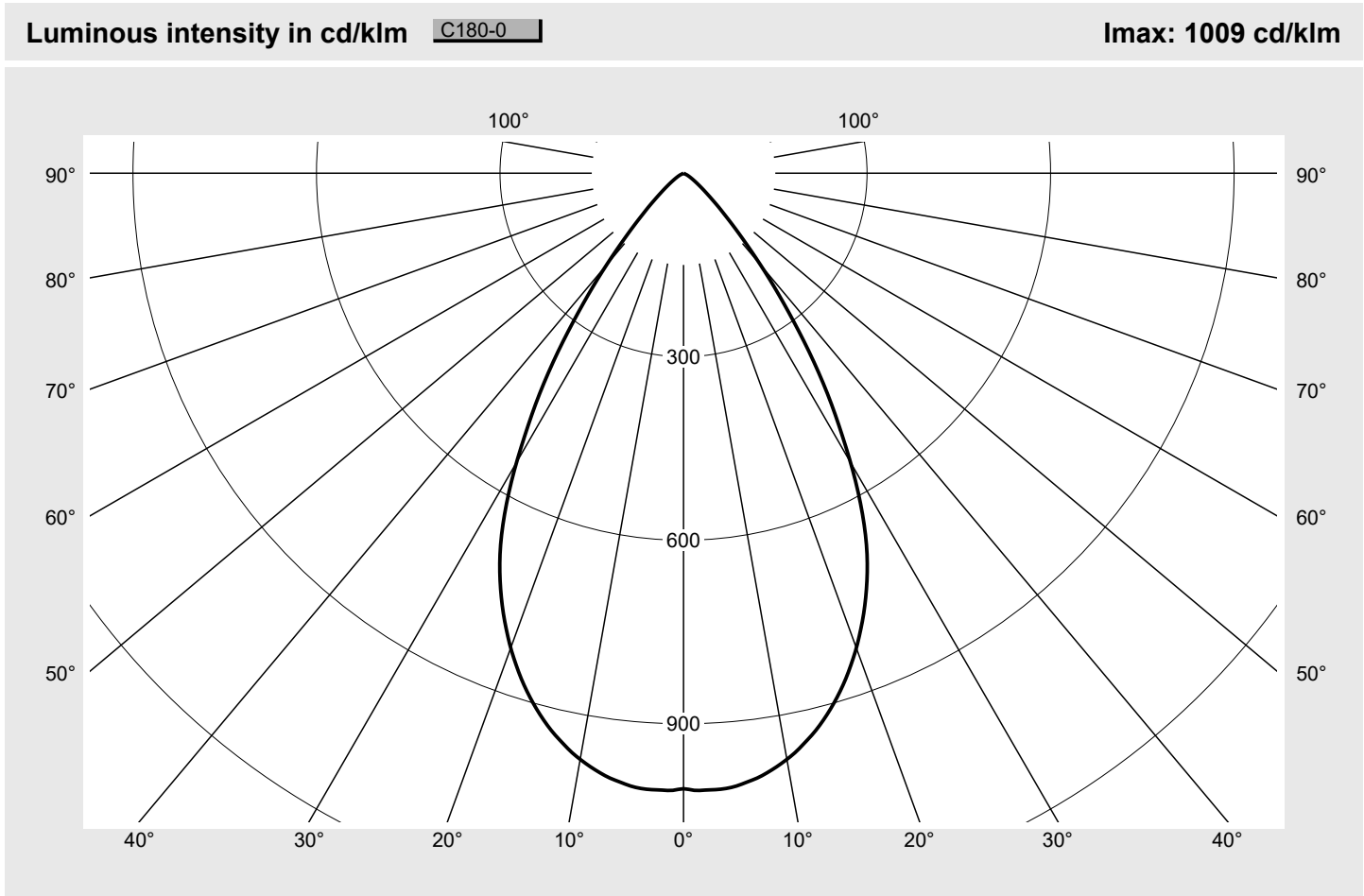


Photometric test report

Family Lunis 21 	Order number: 51DB19ED91C EAN: 4069025012944	LP number 59687_4
	Version	recessed luminaire, Combined lens and reflector optics, reflector, aluminium, matt, rotationally symmetrical wide distribution, adjustable color temperature: 3000K 4000K 6500K, UGR≤19 (L65≤3000cd/m²)
	Lamps Controlgear Setting Rated values	LED 3000 K CRI ≥ 80 ECG Multilumen individual position: DIP-Step=5, colour temperature 3000K Net luminous flux = 1930 lm Power consumption = 12.2 W Luminous efficacy = 158.2 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: 51DB19ED91C EAN: 4069025012944	LP number 59687_4
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°	1006.3	0.2	0.2
1°	1009.1	1.9	2.2
2°	1009.1	3.9	6.0
3°	1009.1	5.8	11.8
4°	1008.2	7.7	19.5
5°	1005.3	9.6	29.1
6°	1000.6	11.5	40.6
7°	995.8	13.3	53.9
8°	989.2	15.1	69.0
9°	981.6	16.8	85.9
10°	973.0	18.5	104.4
11°	963.5	20.2	124.5
12°	952.1	21.7	146.3
13°	940.6	23.2	169.5
14°	927.6	24.6	194.1
15°	913.3	25.9	220.0
16°	898.0	27.1	247.1
17°	881.7	28.3	275.4
18°	864.2	29.3	304.7
19°	845.4	30.2	334.9
20°	826.0	31.0	365.9
21°	804.9	31.6	397.5
22°	783.3	32.2	429.7
23°	760.4	32.6	462.2
24°	736.3	32.8	495.1
25°	710.8	32.9	528.0
26°	683.2	32.8	560.9
27°	652.4	32.5	593.4
28°	618.9	31.9	625.2
29°	583.3	31.0	656.2
30°	546.0	29.9	686.2
31°	507.6	28.7	714.8
32°	471.1	27.4	742.2
33°	435.2	26.0	768.2
34°	398.1	24.4	792.6
35°	361.0	22.7	815.3
36°	323.6	20.9	836.2
37°	288.1	19.0	855.2
38°	255.5	17.3	872.4
39°	225.0	15.5	888.0
40°	195.9	13.8	901.8
41°	169.3	12.2	914.0
42°	145.6	10.7	924.6
43°	125.3	9.4	934.0
44°	107.4	8.2	942.2
45°	91.9	7.1	949.3
46°	80.0	6.3	955.6

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	68.1	5.5	961.1
48°	58.4	4.8	965.9
49°	50.2	4.2	970.0
50°	43.5	3.7	973.7
51°	37.6	3.2	976.9
52°	32.4	2.8	979.7
53°	28.1	2.5	982.1
54°	24.4	2.2	984.3
55°	21.0	1.9	986.2
56°	18.3	1.7	987.8
57°	15.9	1.5	989.3
58°	13.7	1.3	990.6
59°	11.9	1.1	991.7
60°	10.2	1.0	992.7
61°	8.7	0.8	993.5
62°	7.3	0.7	994.2
63°	6.1	0.6	994.8
64°	5.0	0.5	995.3
65°	4.2	0.4	995.7
66°	3.6	0.4	996.1
67°	3.2	0.3	996.4
68°	3.0	0.3	996.7
69°	2.8	0.3	997.0
70°	2.6	0.3	997.3
71°	2.5	0.3	997.5
72°	2.3	0.2	997.8
73°	2.2	0.2	998.0
74°	2.0	0.2	998.2
75°	1.9	0.2	998.4
76°	1.8	0.2	998.6
77°	1.6	0.2	998.8
78°	1.5	0.2	998.9
79°	1.4	0.2	999.1
80°	1.3	0.1	999.2
81°	1.2	0.1	999.3
82°	1.1	0.1	999.5
83°	0.9	0.1	999.6
84°	0.8	0.1	999.7
85°	0.7	0.1	999.7
86°	0.7	0.1	999.8
87°	0.6	0.1	999.9
88°	0.6	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: 51DB19ED91C EAN: 4069025012944							LP number 59687_4	
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	18.6	19.8	18.9	20.1	20.4	18.6	19.8	18.9	20.1	20.4
	3H	18.4	19.5	18.8	19.8	20.2	18.4	19.5	18.8	19.8	20.2
	4H	18.4	19.3	18.8	19.7	20.1	18.4	19.3	18.8	19.7	20.1
	6H	18.3	19.2	18.7	19.6	20.0	18.3	19.2	18.7	19.6	20.0
	8H	18.4	19.1	18.8	19.5	19.9	18.4	19.1	18.8	19.5	19.9
	12H	18.4	19.0	18.8	19.4	19.8	18.4	19.0	18.8	19.4	19.8
4H	2H	18.4	19.4	18.8	19.7	20.1	18.4	19.4	18.8	19.7	20.1
	3H	18.2	19.0	18.7	19.4	19.8	18.2	19.0	18.7	19.4	19.8
	4H	18.1	18.9	18.6	19.3	19.7	18.1	18.9	18.6	19.3	19.7
	6H	18.1	18.7	18.5	19.1	19.6	18.1	18.7	18.5	19.1	19.6
	8H	18.0	18.6	18.5	19.0	19.5	18.0	18.6	18.5	19.0	19.5
	12H	18.1	18.5	18.5	18.9	19.4	18.1	18.5	18.5	18.9	19.4
8H	4H	18.0	18.6	18.5	19.0	19.5	18.0	18.6	18.5	19.0	19.5
	6H	17.9	18.4	18.4	18.8	19.4	17.9	18.4	18.4	18.8	19.4
	8H	17.9	18.3	18.4	18.8	19.3	17.9	18.3	18.4	18.8	19.3
	12H	17.9	18.2	18.4	18.7	19.2	17.9	18.2	18.4	18.7	19.2
12H	4H	18.0	18.5	18.5	18.9	19.4	18.0	18.5	18.5	18.9	19.4
	6H	17.9	18.3	18.4	18.8	19.3	17.9	18.3	18.4	18.8	19.3
	8H	17.9	18.2	18.4	18.7	19.2	17.9	18.2	18.4	18.7	19.2

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 135
C- planes	0°			
γ	Luminance in cd/m²			
45°	17522.7			
50°	9134.6			
55°	4925.3			
60°	2762.2			
65°	1347.0			
70°	1036.4			
75°	987.2			
80°	1011.0			
85°	1138.6			

Photometric test report

Family
Lunis 21

Order number: 51DB19ED91C
EAN: 4069025012944

LP number
59687_4

Luminance values in cd/m²

γ 65°

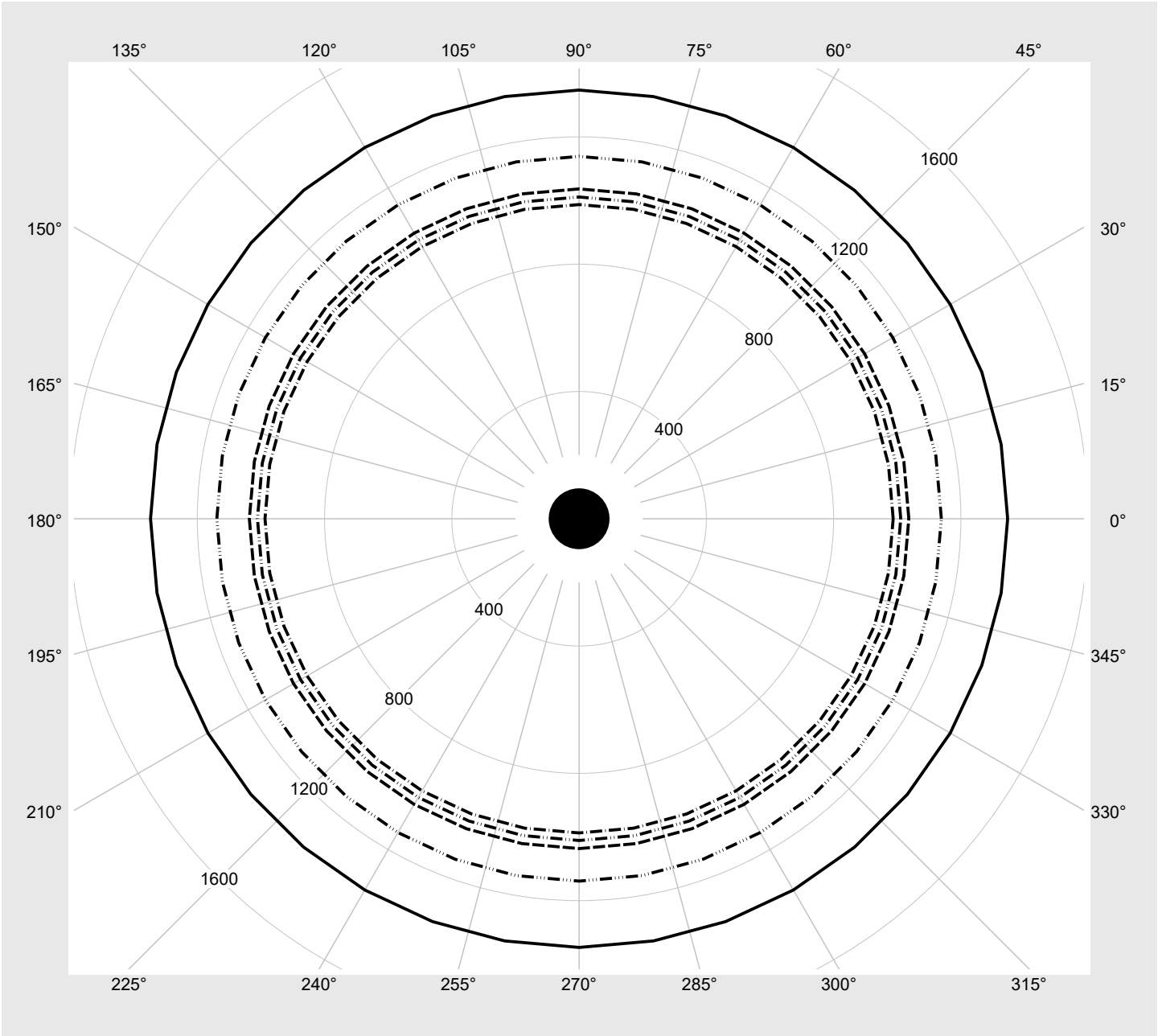
γ 70°

γ 75°

γ 80°

γ 85°

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Photometric test report

Family Lunis 21	Order number: 51DB19ED91C EAN: 4069025012944	LP number 59687_4
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
12	ON	ON	OFF	OFF	3740	25.4
11	ON	OFF	ON	ON	3350	21.7
10	ON	OFF	ON	OFF	3140	20.3
9	ON	OFF	OFF	ON	2990	19.2
8	ON	OFF	OFF	OFF	2770	17.7
7	OFF	ON	ON	ON	2430	15.5
6	OFF	ON	ON	OFF	2170	13.7
5	OFF	ON	OFF	ON	1930	12.2
4	OFF	ON	OFF	OFF	1660	10.5
3	OFF	OFF	ON	ON	1540	9.7
2	OFF	OFF	ON	OFF	1290	8.0
1	OFF	OFF	OFF	ON	990	6.1
0	OFF	OFF	OFF	OFF	720	4.4