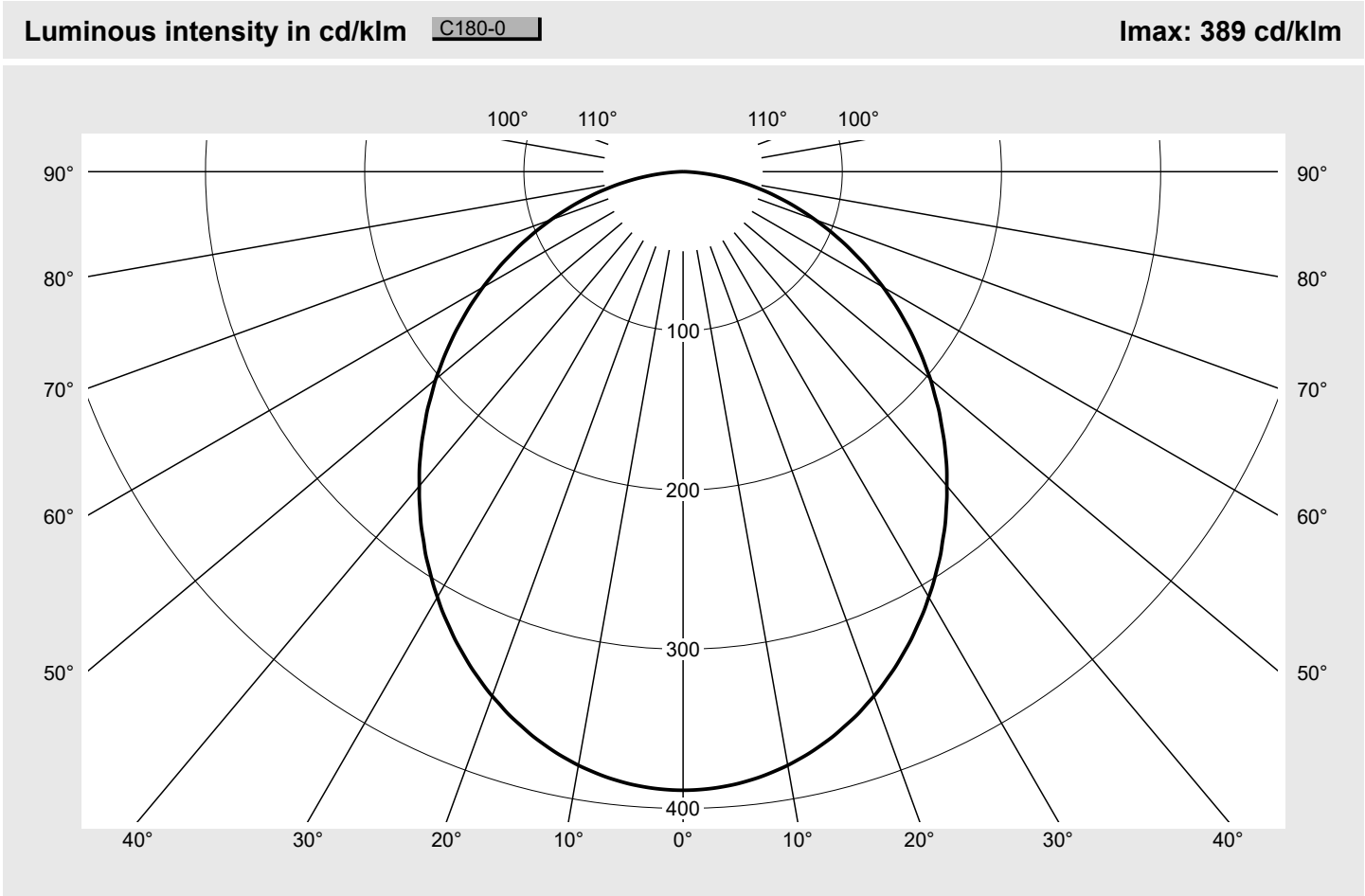


Photometric test report

Family Lunis 21 	Order number: 51DB16TA91C EAN: 4058352047644	LP number 59574_13
	Version recessed luminaire, cover opal, PMMA, diffuse beam, tunable white	serial documentation 02.10.2024
	Lamps LED 3000 K ... 6500 K CRI ≥ 80 Controlgear ECG Multilumen Setting factory setting: DIP-Step=1, colour temperature 4000K Rated values at 4000 K Net luminous flux = 770 lm Power consumption = 6.0 W Luminous efficacy = 128.3 lm/W	siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 4 0	η_{LB}	100.0%
CIE	N1=50 N2=80 N3=96	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: 51DB16TA91C EAN: 4058352047644	LP number 59574_13
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°	388.6	0.1	0.1
1°	388.5	0.7	0.8
2°	388.2	1.5	2.3
3°	387.7	2.2	4.5
4°	387.0	3.0	7.5
5°	386.1	3.7	11.2
6°	385.0	4.4	15.6
7°	383.7	5.1	20.7
8°	382.2	5.8	26.6
9°	380.5	6.5	33.1
10°	378.7	7.2	40.3
11°	376.6	7.9	48.2
12°	374.4	8.5	56.7
13°	372.0	9.2	65.9
14°	369.4	9.8	75.7
15°	366.7	10.4	86.1
16°	363.6	11.0	97.1
17°	360.6	11.6	108.7
18°	357.5	12.1	120.8
19°	353.9	12.6	133.4
20°	350.6	13.1	146.6
21°	347.0	13.6	160.2
22°	343.1	14.1	174.3
23°	339.3	14.5	188.8
24°	335.2	14.9	203.8
25°	331.0	15.3	219.1
26°	326.9	15.7	234.8
27°	322.3	16.0	250.9
28°	317.9	16.4	267.2
29°	313.5	16.7	283.9
30°	308.6	16.9	300.8
31°	304.0	17.2	318.0
32°	299.1	17.4	335.4
33°	294.2	17.6	353.0
34°	289.4	17.7	370.7
35°	284.0	17.9	388.6
36°	279.1	18.0	406.6
37°	274.0	18.1	424.6
38°	268.5	18.1	442.8
39°	263.3	18.2	460.9
40°	257.8	18.2	479.1
41°	252.6	18.2	497.3
42°	247.3	18.1	515.4
43°	241.7	18.1	533.5
44°	236.3	18.0	551.5
45°	230.5	17.9	569.4
46°	225.0	17.7	587.1

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm Luminous flux in lm/klm		
47°	219.7	17.6	604.8
48°	213.7	17.4	622.2
49°	208.2	17.2	639.4
50°	202.8	17.0	656.4
51°	196.8	16.8	673.2
52°	191.2	16.5	689.7
53°	185.4	16.2	706.0
54°	179.7	15.9	721.9
55°	174.1	15.6	737.5
56°	168.1	15.3	752.8
57°	162.4	14.9	767.8
58°	156.7	14.6	782.3
59°	150.8	14.2	796.5
60°	145.1	13.8	810.3
61°	139.2	13.4	823.7
62°	133.5	12.9	836.6
63°	127.9	12.5	849.1
64°	121.9	12.0	861.1
65°	116.3	11.6	872.6
66°	110.7	11.1	883.7
67°	104.9	10.6	894.3
68°	99.4	10.1	904.4
69°	93.7	9.6	914.0
70°	88.2	9.1	923.1
71°	82.8	8.6	931.7
72°	77.2	8.1	939.8
73°	72.1	7.6	947.3
74°	66.7	7.0	954.3
75°	61.3	6.5	960.8
76°	56.5	6.0	966.8
77°	51.1	5.5	972.3
78°	46.1	4.9	977.3
79°	41.4	4.5	981.7
80°	36.4	3.9	985.6
81°	31.8	3.4	989.1
82°	27.0	2.9	992.0
83°	22.3	2.4	994.4
84°	17.9	2.0	996.4
85°	13.4	1.5	997.9
86°	9.3	1.0	998.9
87°	5.5	0.6	999.5
88°	2.7	0.3	999.8
89°	1.6	0.2	1000.0
90°	0.9	0.1	1000.0

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Family Lunis 21			Order number: 51DB16TA91C EAN: 4058352047644							LP number 59574_13	
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	28.0	29.6	28.3	29.9	30.3	28.0	29.6	28.3	29.9	30.3
	3H	29.5	31.0	29.9	31.3	31.7	29.5	31.0	29.9	31.3	31.7
	4H	30.1	31.5	30.5	31.9	32.2	30.1	31.5	30.5	31.9	32.2
	6H	30.6	31.9	31.0	32.2	32.6	30.6	31.9	31.0	32.2	32.6
	8H	30.7	32.0	31.2	32.3	32.7	30.7	32.0	31.2	32.3	32.7
	12H	30.8	32.0	31.3	32.4	32.8	30.8	32.0	31.3	32.4	32.8
4H	2H	28.7	30.1	29.1	30.5	30.8	28.7	30.1	29.1	30.5	30.8
	3H	30.4	31.6	30.8	32.0	32.4	30.4	31.6	30.8	32.0	32.4
	4H	31.1	32.2	31.6	32.6	33.0	31.1	32.2	31.6	32.6	33.0
	6H	31.7	32.6	32.2	33.1	33.5	31.7	32.6	32.2	33.1	33.5
	8H	31.9	32.8	32.4	33.2	33.7	31.9	32.8	32.4	33.2	33.7
	12H	32.0	32.8	32.5	33.2	33.7	32.0	32.8	32.5	33.2	33.7
8H	4H	31.5	32.3	31.9	32.8	33.2	31.5	32.3	31.9	32.8	33.2
	6H	32.1	32.9	32.6	33.3	33.8	32.1	32.9	32.6	33.3	33.8
	8H	32.4	33.0	32.9	33.5	34.0	32.4	33.0	32.9	33.5	34.0
	12H	32.6	33.1	33.1	33.6	34.1	32.6	33.1	33.1	33.6	34.1
12H	4H	31.5	32.3	32.0	32.7	33.2	31.5	32.3	32.0	32.7	33.2
	6H	32.2	32.8	32.7	33.3	33.8	32.2	32.8	32.7	33.3	33.8
	8H	32.5	33.0	33.0	33.5	34.1	32.5	33.0	33.0	33.5	34.1

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 57
C-planes				
	0°			
γ	Luminance in cd/m²			
45°	98371.5			
50°	95213.1			
55°	91570.1			
60°	87594.6			
65°	83009.8			
70°	77818.5			
75°	71469.8			
80°	63178.4			
85°	46321.1			

Photometric test report

Family
Lunis 21

Order number: 51DB16TA91C
EAN: 4058352047644

LP number
59574_13

Luminance values in cd/m²

γ 65°

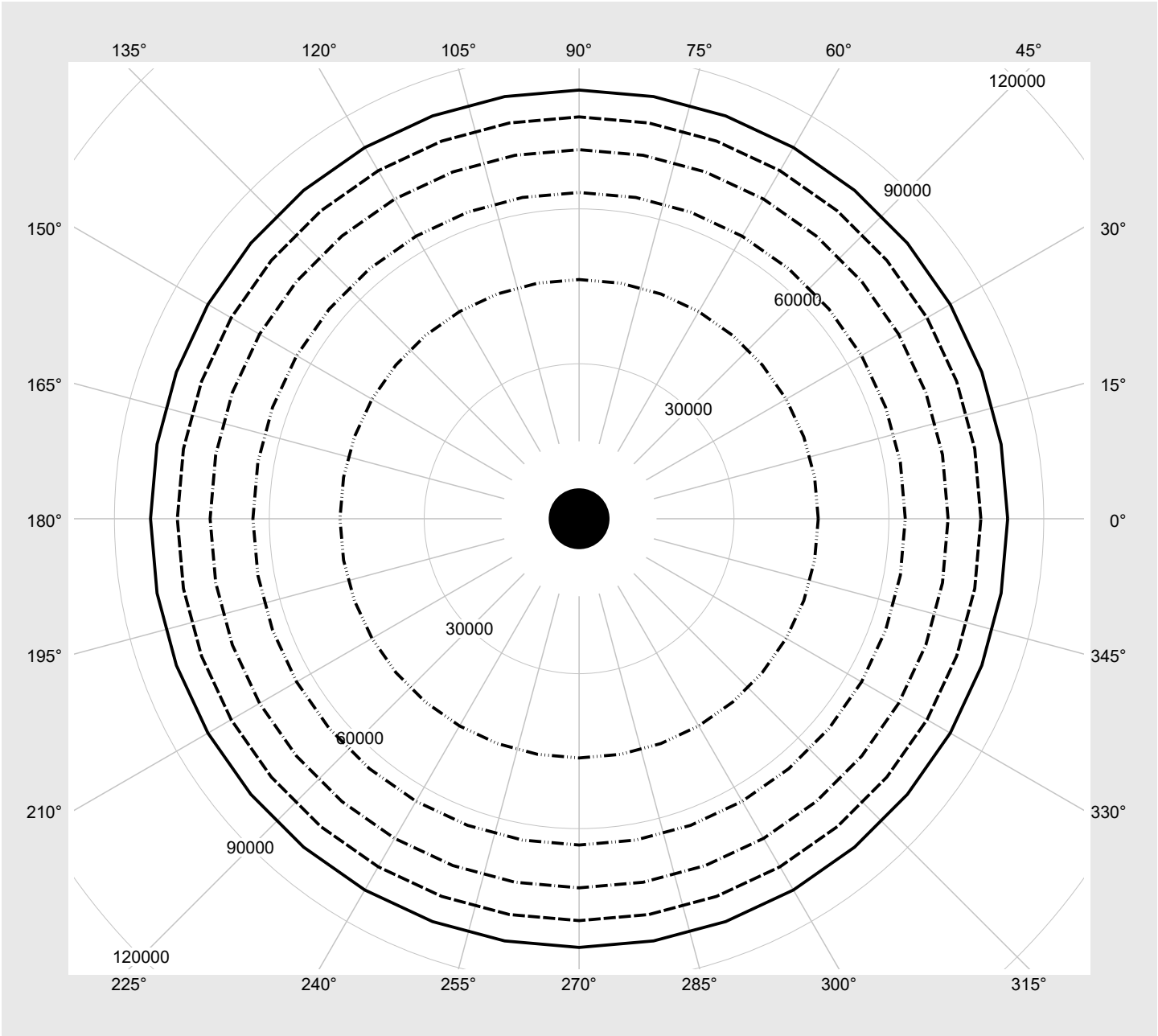
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Lunis 21	Order number: 51DB16TA91C EAN: 4058352047644	LP number 59574_13
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
2	OFF	OFF	ON	OFF	1010	8.0
1	OFF	OFF	OFF	ON	770	6.0
0	OFF	OFF	OFF	OFF	550	4.4