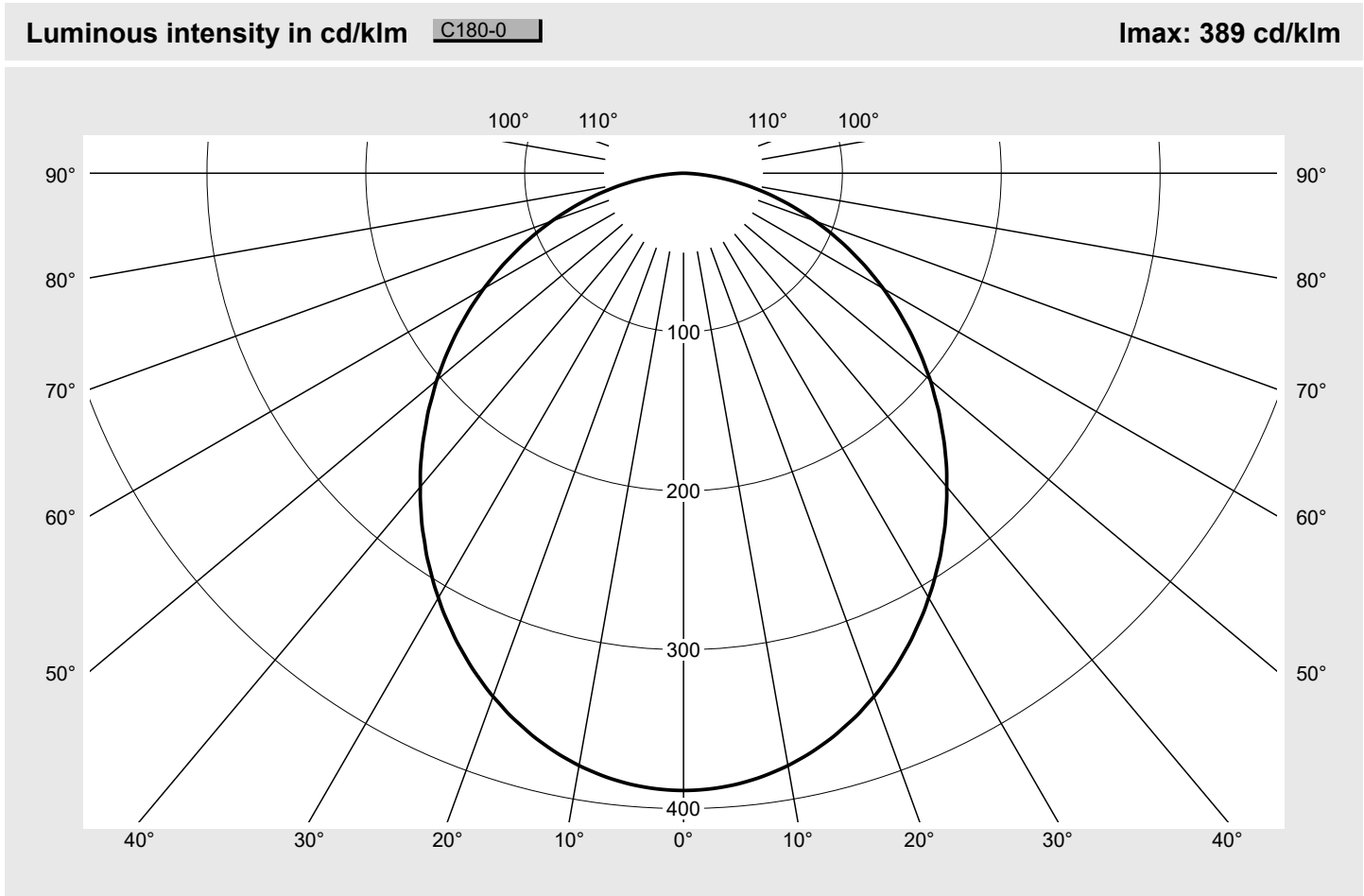


Photometric test report

Family Lunis 21	Order number: 51DB16MA91C EAN: 4069025013286	LP number 59574_8
	Version	recessed luminaire, cover opal, PMMA, diffuse beam, adjustable color temperature: 3000K 4000K 6500K
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG
	Setting	factory setting: colour temperature 4000K
	Rated values	Net luminous flux = 800 lm Power consumption = 5.9 W Luminous efficacy = 135.6 lm/W
		serial documentation 27.09.2024
		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: 51DB16MA91C EAN: 4069025013286	LP number 59574_8
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°	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

Photometric test report

Family Lunis 21			Order number: 51DB16MA91C EAN: 4069025013286							LP number 59574_8	
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	28.1	29.8	28.5	30.1	30.4	28.1	29.8	28.5	30.1	30.4
	3H	29.6	31.1	30.0	31.5	31.8	29.6	31.1	30.0	31.5	31.8
	4H	30.2	31.6	30.6	32.0	32.4	30.2	31.6	30.6	32.0	32.4
	6H	30.7	32.0	31.1	32.4	32.7	30.7	32.0	31.1	32.4	32.7
	8H	30.9	32.1	31.3	32.5	32.9	30.9	32.1	31.3	32.5	32.9
	12H	31.0	32.1	31.4	32.5	32.9	31.0	32.1	31.4	32.5	32.9
4H	2H	28.8	30.2	29.2	30.6	31.0	28.8	30.2	29.2	30.6	31.0
	3H	30.5	31.7	31.0	32.1	32.5	30.5	31.7	31.0	32.1	32.5
	4H	31.3	32.3	31.7	32.7	33.2	31.3	32.3	31.7	32.7	33.2
	6H	31.8	32.8	32.3	33.2	33.7	31.8	32.8	32.3	33.2	33.7
	8H	32.0	32.9	32.5	33.3	33.8	32.0	32.9	32.5	33.3	33.8
	12H	32.2	32.9	32.6	33.4	33.9	32.2	32.9	32.6	33.4	33.9
8H	4H	31.6	32.4	32.1	32.9	33.4	31.6	32.4	32.1	32.9	33.4
	6H	32.3	33.0	32.8	33.5	34.0	32.3	33.0	32.8	33.5	34.0
	8H	32.5	33.2	33.0	33.6	34.2	32.5	33.2	33.0	33.6	34.2
	12H	32.7	33.2	33.2	33.7	34.3	32.7	33.2	33.2	33.7	34.3
12H	4H	31.6	32.4	32.1	32.9	33.3	31.6	32.4	32.1	32.9	33.3
	6H	32.4	33.0	32.9	33.5	34.0	32.4	33.0	32.9	33.5	34.0
	8H	32.6	33.2	33.2	33.7	34.2	32.6	33.2	33.2	33.7	34.2

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 57
C-planes	0°			
γ	Luminance in cd/m²			
45°	102204.1			
50°	98922.7			
55°	95137.8			
60°	91007.4			
65°	86244.0			
70°	80850.4			
75°	74254.3			
80°	65639.9			
85°	48125.8			

Photometric test report

Family
Lunis 21

Order number: 51DB16MA91C
EAN: 4069025013286

LP number
59574_8

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

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