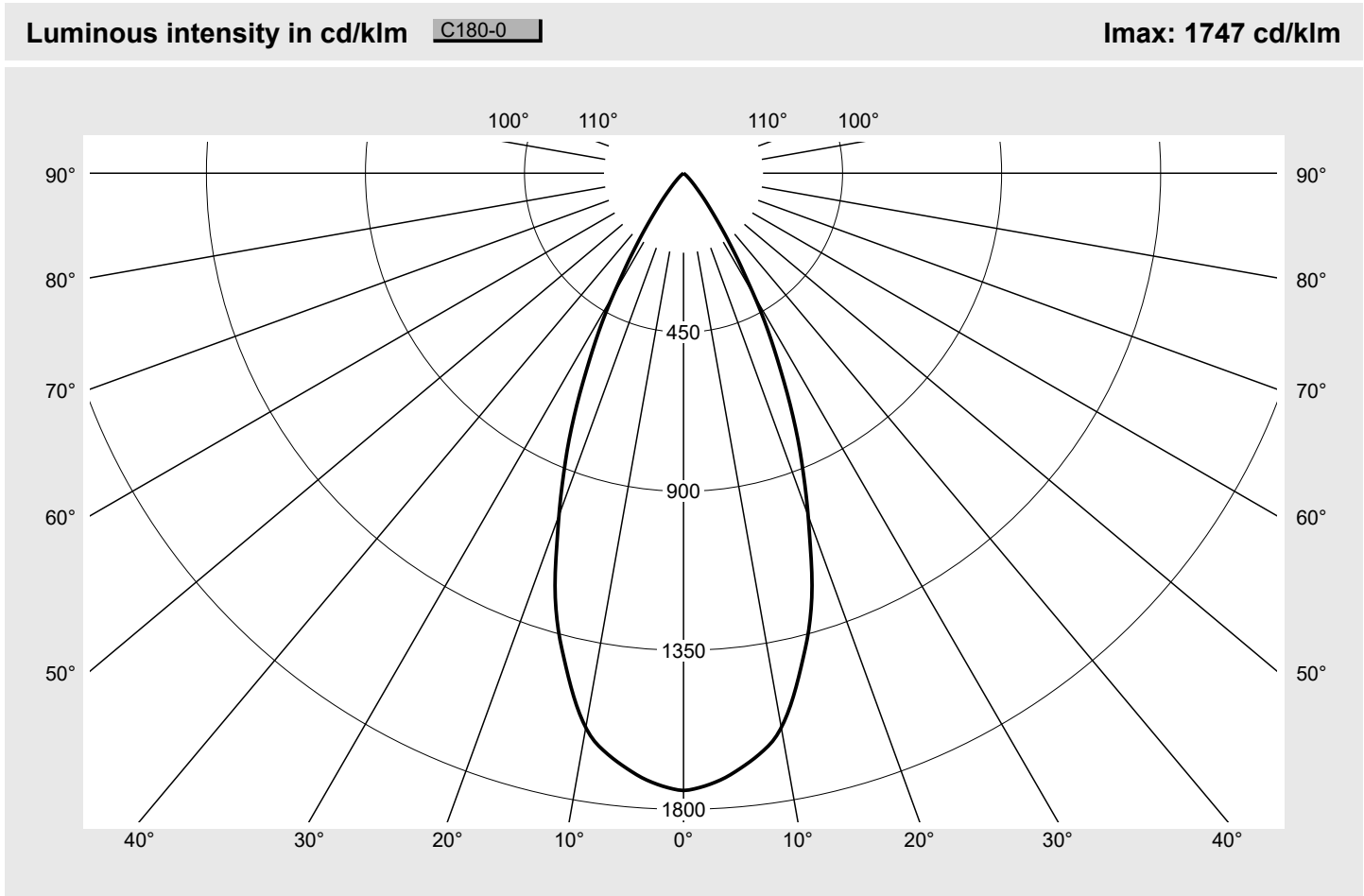


Photometric test report

Family Lunis 21	Order number: 51DB17MA91C EAN: 4069025013163	LP number 59677_3
	Version	recessed luminaire, Combined lens and reflector optics, reflector, black, rotationally symmetrical medium distribution, adjustable color temperature: 3000K 4000K 6500K, UGR≤16 (L65≤3000cd/m²)
	Lamps	LED 6500 K CRI ≥ 80
	Controlgear	ECG
	Setting	individual position: colour temperature 6500K
	Rated values	Net luminous flux = 830 lm Power consumption = 5.9 W Luminous efficacy = 140.7 lm/W
		serial documentation 27.09.2024
		siteco



Classifications	Luminaire light output ratios
DIN 5040 A 8 0	η_{LB} 100.0%
CIE N1=97 N2=100 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: 51DB17MA91C EAN: 4069025013163	LP number 59677_3
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°	1746.8	0.4	0.4
1°	1742.5	3.3	3.8
2°	1735.1	6.6	10.4
3°	1725.5	9.9	20.3
4°	1713.9	13.1	33.4
5°	1699.0	16.2	49.6
6°	1683.1	19.3	68.9
7°	1666.1	22.3	91.2
8°	1647.0	25.1	116.3
9°	1624.7	27.9	144.2
10°	1592.9	30.3	174.5
11°	1552.6	32.5	207.0
12°	1505.9	34.3	241.4
13°	1456.0	35.9	277.3
14°	1406.1	37.3	314.6
15°	1357.3	38.5	353.1
16°	1303.2	39.4	392.5
17°	1242.7	39.8	432.3
18°	1172.6	39.7	472.1
19°	1098.4	39.2	511.3
20°	1030.8	38.7	550.0
21°	964.6	37.9	587.9
22°	899.2	36.9	624.8
23°	836.1	35.8	660.6
24°	769.7	34.3	695.0
25°	703.2	32.6	727.5
26°	636.2	30.6	758.1
27°	575.0	28.6	786.8
28°	517.2	26.6	813.4
29°	459.3	24.4	837.8
30°	398.7	21.9	859.7
31°	341.1	19.3	878.9
32°	296.1	17.2	896.1
33°	251.1	15.0	911.1
34°	212.8	13.0	924.2
35°	177.6	11.2	935.3
36°	147.7	9.5	944.9
37°	123.4	8.1	953.0
38°	104.0	7.0	960.0
39°	86.4	6.0	966.0
40°	70.3	5.0	971.0
41°	57.4	4.1	975.1
42°	48.1	3.5	978.6
43°	40.3	3.0	981.6
44°	33.1	2.5	984.1
45°	27.0	2.1	986.2
46°	22.7	1.8	988.0

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	18.9	1.5	989.5
48°	15.4	1.3	990.8
49°	13.0	1.1	991.9
50°	10.7	0.9	992.8
51°	8.4	0.7	993.5
52°	6.5	0.6	994.1
53°	5.0	0.4	994.5
54°	4.2	0.4	994.9
55°	3.9	0.3	995.2
56°	3.6	0.3	995.5
57°	3.3	0.3	995.8
58°	3.0	0.3	996.1
59°	2.8	0.3	996.4
60°	2.6	0.2	996.6
61°	2.4	0.2	996.9
62°	2.2	0.2	997.1
63°	2.1	0.2	997.3
64°	2.0	0.2	997.5
65°	1.9	0.2	997.7
66°	1.7	0.2	997.8
67°	1.7	0.2	998.0
68°	1.6	0.2	998.2
69°	1.5	0.2	998.3
70°	1.4	0.1	998.5
71°	1.3	0.1	998.6
72°	1.2	0.1	998.7
73°	1.2	0.1	998.8
74°	1.1	0.1	999.0
75°	1.0	0.1	999.1
76°	1.0	0.1	999.2
77°	0.9	0.1	999.3
78°	0.9	0.1	999.4
79°	0.8	0.1	999.4
80°	0.7	0.1	999.5
81°	0.7	0.1	999.6
82°	0.6	0.1	999.7
83°	0.6	0.1	999.7
84°	0.5	0.1	999.8
85°	0.4	0.0	999.8
86°	0.4	0.0	999.9
87°	0.4	0.0	999.9
88°	0.4	0.0	1000.0
89°	0.3	0.0	1000.0
90°	0.0	0.0	1000.0
180°	0.0	0.0	1000.0

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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	16.6	17.7	17.0	18.0	18.3	16.6	17.7	17.0	18.0	18.3
	3H	16.5	17.4	16.9	17.7	18.1	16.5	17.4	16.9	17.7	18.1
	4H	16.4	17.2	16.8	17.6	18.0	16.4	17.2	16.8	17.6	18.0
	6H	16.3	17.1	16.8	17.5	17.9	16.3	17.1	16.8	17.5	17.9
	8H	16.5	17.0	16.9	17.4	17.8	16.5	17.0	16.9	17.4	17.8
	12H	16.4	16.9	16.9	17.3	17.7	16.4	16.9	16.9	17.3	17.7
4H	2H	16.4	17.2	16.8	17.6	18.0	16.4	17.2	16.8	17.6	18.0
	3H	16.2	16.9	16.6	17.3	17.7	16.2	16.9	16.6	17.3	17.7
	4H	16.1	16.7	16.6	17.1	17.6	16.1	16.7	16.6	17.1	17.6
	6H	16.0	16.6	16.5	17.0	17.5	16.0	16.6	16.5	17.0	17.5
	8H	16.0	16.5	16.5	16.9	17.4	16.0	16.5	16.5	16.9	17.4
	12H	16.0	16.4	16.5	16.8	17.3	16.0	16.4	16.5	16.8	17.3
8H	4H	16.0	16.4	16.5	16.9	17.4	16.0	16.4	16.5	16.9	17.4
	6H	15.9	16.3	16.4	16.7	17.3	15.9	16.3	16.4	16.7	17.3
	8H	15.8	16.2	16.4	16.7	17.2	15.8	16.2	16.4	16.7	17.2
	12H	15.8	16.1	16.4	16.6	17.1	15.8	16.1	16.4	16.6	17.1
12H	4H	16.0	16.3	16.5	16.8	17.3	16.0	16.3	16.5	16.8	17.3
	6H	15.9	16.1	16.4	16.6	17.2	15.9	16.1	16.4	16.6	17.2
	8H	15.8	16.1	16.4	16.6	17.1	15.8	16.1	16.4	16.6	17.1

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 57
C-planes				
	0°			
γ	Luminance in cd/m²			
45°	12423.6			
50°	5429.1			
55°	2185.0			
60°	1690.1			
65°	1431.5			
70°	1328.6			
75°	1304.5			
80°	1378.6			
85°	1619.7			

Photometric test report

Family
Lunis 21

Order number: 51DB17MA91C
EAN: 4069025013163

LP number
59677_3

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

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