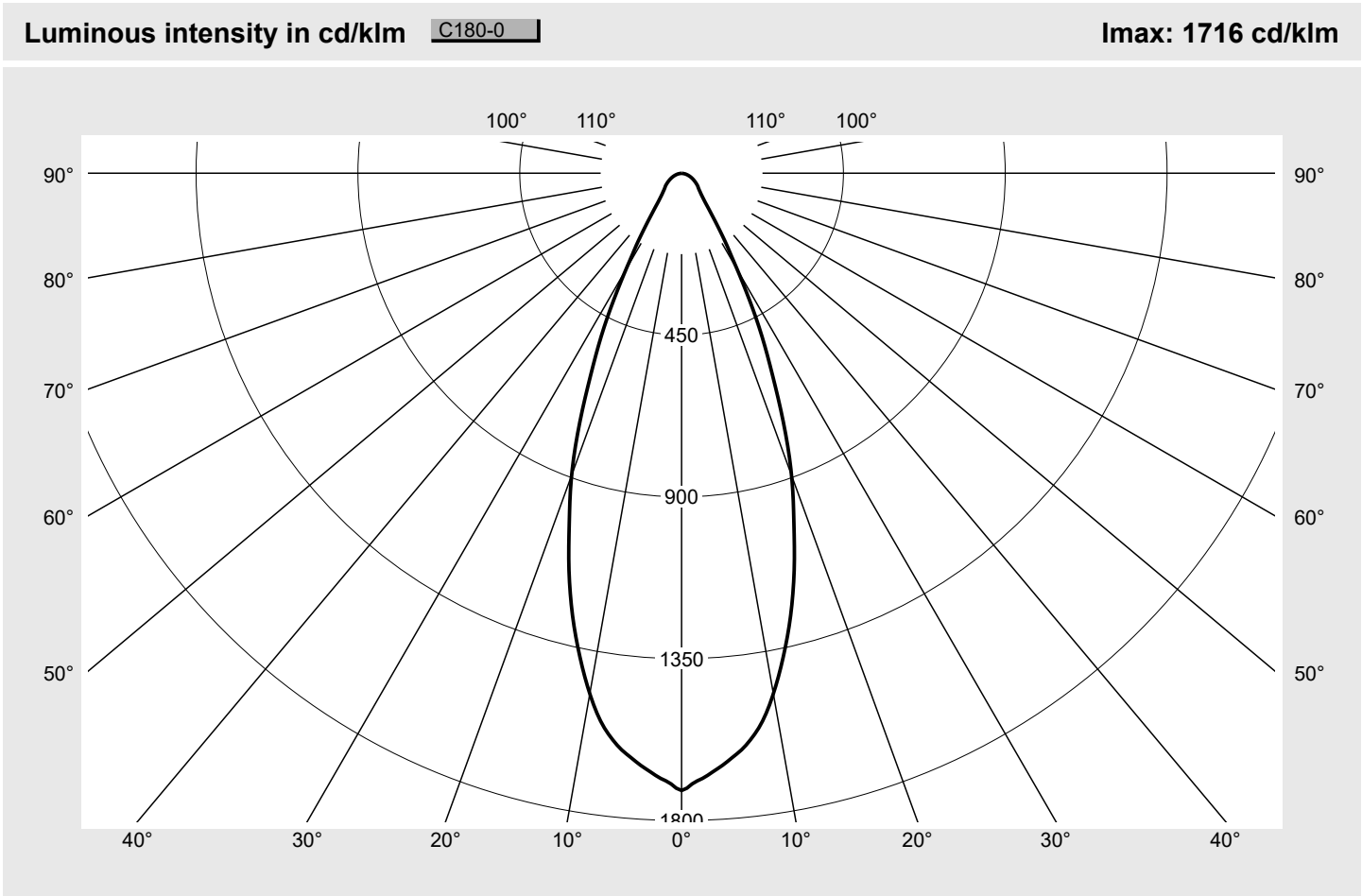


Photometric test report

Family Lunis 21 	Order number: 51DB18MA91C EAN: 4069025013040		LP number 59681_3
	Version	recessed luminaire, Combined lens and reflector optics, reflector, white, rotationally symmetrical medium distribution, adjustable color temperature: 3000K 4000K 6500K	serial documentation 27.09.2024
	Lamps Controlgear Setting Rated values	LED 6500 K CRI ≥ 80 ECG individual position: colour temperature 6500K Net luminous flux = 970 lm Power consumption = 5.9 W Luminous efficacy = 164.4 lm/W	

siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 7 0	η_{LB}	100.0%
CIE	N1=86 N2=95 N3=99	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: 51DB18MA91C EAN: 4069025013040	LP number 59681_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°	1716.5	0.4	0.4
1°	1698.3	3.3	3.7
2°	1683.7	6.4	10.1
3°	1666.7	9.6	19.7
4°	1649.6	12.6	32.3
5°	1630.2	15.6	47.9
6°	1610.7	18.5	66.3
7°	1585.2	21.2	87.5
8°	1554.8	23.7	111.2
9°	1515.9	26.0	137.3
10°	1469.7	28.0	165.2
11°	1419.9	29.7	194.9
12°	1367.6	31.2	226.1
13°	1314.1	32.4	258.5
14°	1258.2	33.4	291.9
15°	1198.9	34.0	326.0
16°	1137.1	34.4	360.3
17°	1072.2	34.4	394.7
18°	1009.7	34.2	428.9
19°	952.6	34.0	462.9
20°	893.9	33.5	496.5
21°	831.0	32.7	529.1
22°	763.8	31.4	560.5
23°	696.0	29.8	590.3
24°	630.3	28.1	618.4
25°	572.1	26.5	644.9
26°	518.0	24.9	669.8
27°	463.8	23.1	692.9
28°	408.7	21.0	714.0
29°	356.6	19.0	732.9
30°	310.2	17.0	749.9
31°	269.8	15.2	765.2
32°	240.3	14.0	779.1
33°	211.0	12.6	791.7
34°	184.7	11.3	803.1
35°	162.4	10.2	813.3
36°	143.3	9.2	822.5
37°	128.3	8.5	831.0
38°	115.5	7.8	838.8
39°	104.6	7.2	846.0
40°	96.6	6.8	852.8
41°	89.9	6.5	859.3
42°	84.3	6.2	865.5
43°	79.5	5.9	871.4
44°	75.6	5.8	877.2
45°	72.2	5.6	882.8
46°	68.9	5.4	888.2

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	66.1	5.3	893.5
48°	63.7	5.2	898.7
49°	61.6	5.1	903.8
50°	59.8	5.0	908.8
51°	58.1	5.0	913.8
52°	56.3	4.9	918.6
53°	54.1	4.7	923.4
54°	51.9	4.6	928.0
55°	49.8	4.5	932.4
56°	47.8	4.3	936.8
57°	45.8	4.2	941.0
58°	43.8	4.1	945.1
59°	41.8	3.9	949.0
60°	39.9	3.8	952.8
61°	38.1	3.7	956.4
62°	36.3	3.5	960.0
63°	34.5	3.4	963.3
64°	32.8	3.2	966.6
65°	31.1	3.1	969.7
66°	29.4	2.9	972.6
67°	27.7	2.8	975.4
68°	26.0	2.6	978.1
69°	24.4	2.5	980.5
70°	22.8	2.3	982.9
71°	21.1	2.2	985.1
72°	19.5	2.0	987.1
73°	17.9	1.9	989.0
74°	16.4	1.7	990.7
75°	14.8	1.6	992.3
76°	13.3	1.4	993.7
77°	11.8	1.3	995.0
78°	10.4	1.1	996.1
79°	9.0	1.0	997.0
80°	7.6	0.8	997.9
81°	6.3	0.7	998.5
82°	5.1	0.6	999.1
83°	3.3	0.4	999.5
84°	1.3	0.1	999.6
85°	1.0	0.1	999.7
86°	0.7	0.1	999.8
87°	0.7	0.1	999.9
88°	0.7	0.1	999.9
89°	0.7	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: 51DB18MA91C EAN: 4069025013040							LP number 59681_3	
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	21.3	22.5	21.6	22.8	23.1	21.3	22.5	21.6	22.8	23.1
	3H	22.3	23.4	22.7	23.7	24.1	22.3	23.4	22.7	23.7	24.1
	4H	22.7	23.7	23.1	24.1	24.4	22.7	23.7	23.1	24.1	24.4
	6H	23.0	23.9	23.4	24.2	24.6	23.0	23.9	23.4	24.2	24.6
	8H	23.2	23.9	23.6	24.2	24.7	23.2	23.9	23.6	24.2	24.7
	12H	23.1	23.8	23.6	24.2	24.6	23.1	23.8	23.6	24.2	24.6
4H	2H	21.7	22.7	22.1	23.1	23.4	21.7	22.7	22.1	23.1	23.4
	3H	23.0	23.8	23.4	24.2	24.6	23.0	23.8	23.4	24.2	24.6
	4H	23.5	24.2	23.9	24.6	25.0	23.5	24.2	23.9	24.6	25.0
	6H	23.8	24.4	24.3	24.8	25.3	23.8	24.4	24.3	24.8	25.3
	8H	23.9	24.4	24.3	24.8	25.3	23.9	24.4	24.3	24.8	25.3
	12H	23.9	24.3	24.4	24.8	25.3	23.9	24.3	24.4	24.8	25.3
8H	4H	23.6	24.2	24.1	24.6	25.1	23.6	24.2	24.1	24.6	25.1
	6H	24.0	24.5	24.5	24.9	25.4	24.0	24.5	24.5	24.9	25.4
	8H	24.1	24.5	24.6	25.0	25.5	24.1	24.5	24.6	25.0	25.5
	12H	24.1	24.4	24.6	24.9	25.4	24.1	24.4	24.6	24.9	25.4
12H	4H	23.7	24.1	24.2	24.6	25.1	23.7	24.1	24.2	24.6	25.1
	6H	24.1	24.4	24.6	24.9	25.4	24.1	24.4	24.6	24.9	25.4
	8H	24.1	24.4	24.7	24.9	25.5	24.1	24.4	24.7	24.9	25.5

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 57
C-planes		0°		
γ	Luminance in cd/m²			
45°	38831.9			
50°	35362.6			
55°	33007.6			
60°	30360.2			
65°	27969.7			
70°	25292.7			
75°	21763.3			
80°	16623.9			
85°	4200.1			

Photometric test report

Family
Lunis 21

Order number: 51DB18MA91C
EAN: 4069025013040

LP number
59681_3

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

