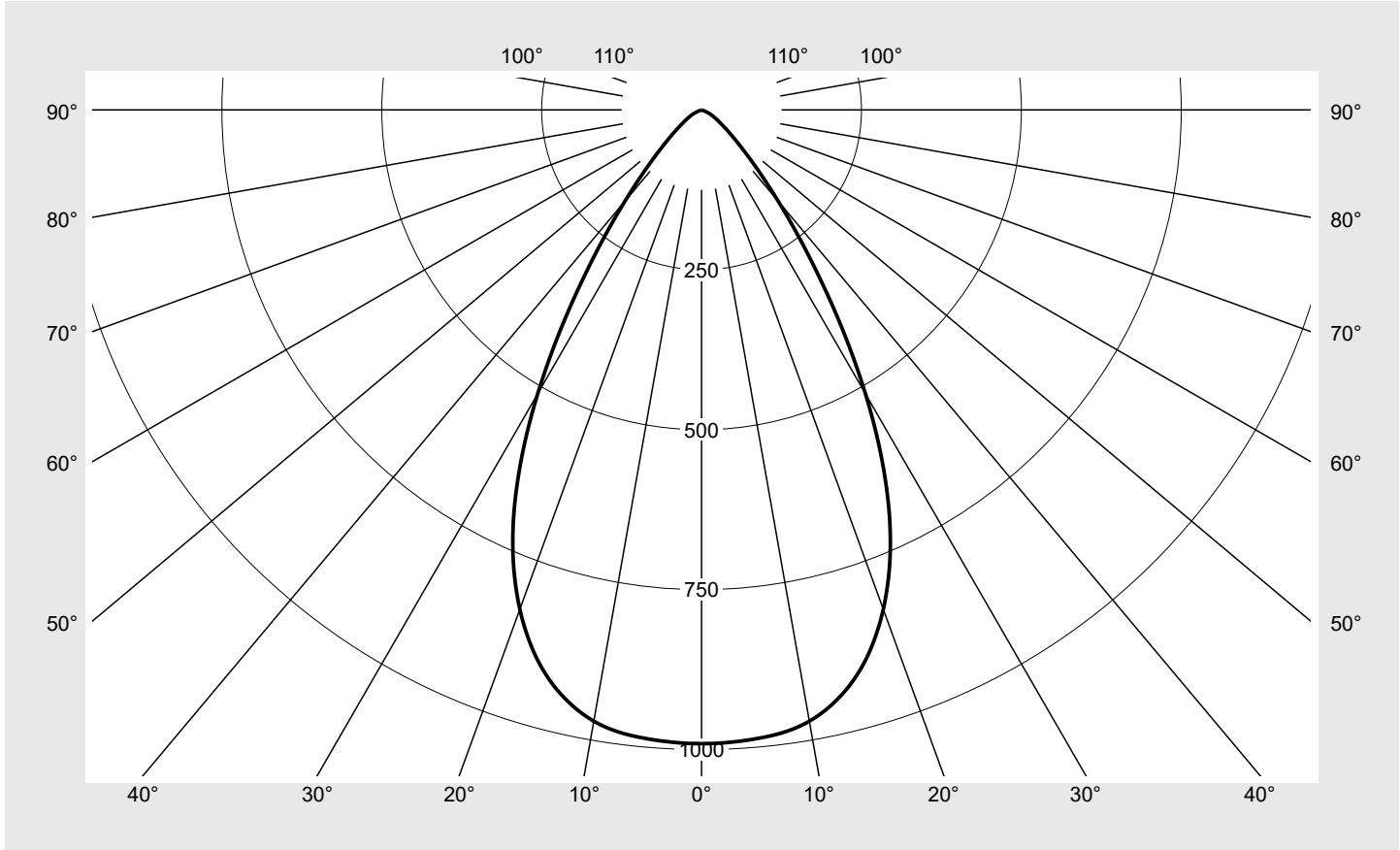


Photometric test report

Family Lunis 21	Order number: 51DB15DF33 EAN: 4058352555088	LP number 59251_6
	Version Combined lens and reflector optics, highly specular reflector, wide distribution, UGR≤19 (L65≤3000cd/m²)	serial documentation 03.02.2022
	Lamps LED 3000 K CRI ≥ 80	Controlgear ECG-DALI
Rated values	Net luminous flux = 3360 lm Power consumption = 31.0 W Luminous efficacy = 108.4 lm/W	

Luminous intensity in cd/klm C180-0 **Imax: 991 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=89 N2=99 N3=100 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
 DIN EN 13032 and DIN 5032

Photometric test report

Family Lunis 21	Order number: 51DB15DF33 EAN: 4058352555088	LP number 59251_6
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°	990.7	0.2	0.2
1°	990.6	1.9	2.1
2°	990.1	3.8	5.9
3°	989.2	5.7	11.6
4°	988.1	7.6	19.2
5°	986.7	9.4	28.6
6°	985.0	11.3	39.9
7°	982.9	13.1	53.0
8°	979.9	15.0	68.0
9°	975.8	16.7	84.7
10°	970.4	18.5	103.2
11°	963.5	20.2	123.3
12°	955.2	21.8	145.1
13°	945.3	23.3	168.4
14°	934.3	24.8	193.2
15°	921.5	26.2	219.4
16°	907.0	27.4	246.8
17°	890.7	28.6	275.4
18°	872.4	29.6	304.9
19°	852.5	30.4	335.4
20°	830.8	31.2	366.5
21°	807.2	31.7	398.2
22°	781.9	32.1	430.4
23°	754.7	32.3	462.7
24°	725.4	32.4	495.1
25°	694.2	32.2	527.2
26°	660.5	31.8	559.0
27°	625.3	31.1	590.1
28°	588.7	30.3	620.4
29°	550.8	29.3	649.7
30°	512.4	28.1	677.8
31°	473.3	26.7	704.5
32°	434.8	25.3	729.8
33°	396.6	23.7	753.5
34°	359.9	22.1	775.5
35°	324.8	20.4	796.0
36°	292.5	18.9	814.8
37°	262.4	17.3	832.2
38°	234.7	15.8	848.0
39°	209.6	14.5	862.5
40°	186.5	13.1	875.6
41°	166.1	11.9	887.6
42°	147.7	10.8	898.4
43°	131.2	9.8	908.2
44°	116.7	8.9	917.1
45°	103.8	8.1	925.2
46°	92.3	7.3	932.4

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm Luminous flux in lm/klm		
47°	82.4	6.6	939.0
48°	73.8	6.0	945.1
49°	66.3	5.5	950.5
50°	59.8	5.0	955.6
51°	53.9	4.6	960.2
52°	48.5	4.2	964.4
53°	43.7	3.8	968.2
54°	39.5	3.5	971.7
55°	35.9	3.2	974.9
56°	32.7	3.0	977.9
57°	29.9	2.8	980.6
58°	27.3	2.5	983.2
59°	24.8	2.3	985.5
60°	22.4	2.1	987.6
61°	20.4	2.0	989.6
62°	18.6	1.8	991.4
63°	17.0	1.7	993.1
64°	15.2	1.5	994.5
65°	13.0	1.3	995.8
66°	10.6	1.1	996.9
67°	8.3	0.8	997.7
68°	6.5	0.7	998.4
69°	5.2	0.5	998.9
70°	4.0	0.4	999.3
71°	2.7	0.3	999.6
72°	1.7	0.2	999.8
73°	0.8	0.1	999.9
74°	0.4	0.0	999.9
75°	0.3	0.0	1000.0
76°	0.1	0.0	1000.0
77°	0.0	0.0	1000.0
78°	0.0	0.0	1000.0
79°	0.0	0.0	1000.0
80°	0.0	0.0	1000.0
81°	0.0	0.0	1000.0
82°	0.0	0.0	1000.0
83°	0.0	0.0	1000.0
84°	0.0	0.0	1000.0
85°	0.0	0.0	1000.0
86°	0.0	0.0	1000.0
87°	0.0	0.0	1000.0
88°	0.0	0.0	1000.0
89°	0.0	0.0	1000.0
90°	0.0	0.0	1000.0

Photometric test report

Family Lunis 21	Order number: 51DB15DF33 EAN: 4058352555088	LP number 59251_6
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UGR-Table	Standard room	siteco
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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	18.5	19.7	18.8	20.0	20.3	18.5	19.7	18.8	20.0	20.3
	3H	18.4	19.5	18.8	19.8	20.2	18.4	19.5	18.8	19.8	20.2
	4H	18.3	19.3	18.7	19.7	20.1	18.3	19.3	18.7	19.7	20.1
	6H	18.3	19.2	18.7	19.5	19.9	18.3	19.2	18.7	19.5	19.9
	8H	18.4	19.1	18.8	19.5	19.9	18.4	19.1	18.8	19.5	19.9
	12H	18.3	19.0	18.8	19.4	19.8	18.3	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	18.3	19.1	18.7	19.5	19.9	18.3	19.1	18.7	19.5	19.9
	4H	18.2	18.9	18.7	19.4	19.8	18.2	18.9	18.7	19.4	19.8
	6H	18.1	18.7	18.6	19.2	19.6	18.1	18.7	18.6	19.2	19.6
	8H	18.1	18.6	18.6	19.1	19.6	18.1	18.6	18.6	19.1	19.6
	12H	18.1	18.5	18.6	19.0	19.5	18.1	18.5	18.6	19.0	19.5
8H	4H	18.1	18.6	18.6	19.1	19.6	18.1	18.6	18.6	19.1	19.6
	6H	18.0	18.4	18.5	18.9	19.4	18.0	18.4	18.5	18.9	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	19.3	17.9	18.2	18.4	18.7	19.3
12H	4H	18.1	18.5	18.6	19.0	19.5	18.1	18.5	18.6	19.0	19.5
	6H	18.0	18.3	18.5	18.8	19.3	18.0	18.3	18.5	18.8	19.3
	8H	17.9	18.2	18.4	18.7	19.3	17.9	18.2	18.4	18.7	19.3

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 187
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C-planes	0°
γ	Luminance in cd/m²
45°	17962.7
50°	11378.8
55°	7652.3
60°	5492.3
65°	3752.2
70°	1424.3
75°	118.2
80°	10.6
85°	33.7

Photometric test report

Family Lunis 21	Order number: 51DB15DF33 EAN: 4058352555088	LP number 59251_6
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**

