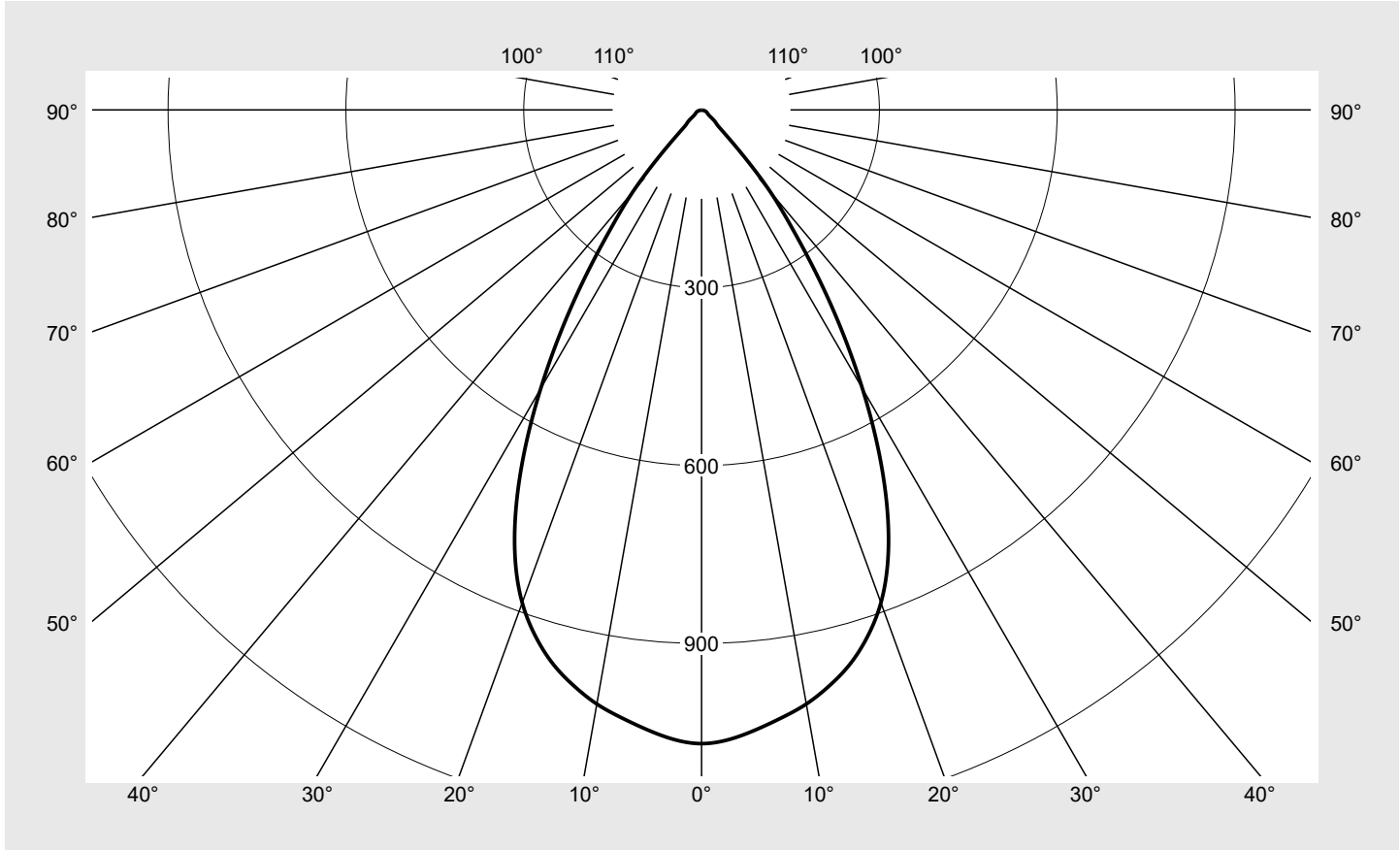


Photometric test report

Family Lunis 31	Order number: 51DN15DE41 EAN: 4058352555958	LP number 59320_2
	Version Lens optics, wide distribution, UGR≤19 Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI	serial documentation 15.06.2022
	Rated values Net luminous flux = 1040 lm Power consumption = 8.3 W Luminous efficacy = 125.3 lm/W	

Luminous intensity in cd/klm C180-0 **Imax: 1069 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=93 N2=98 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

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Table of values for luminous intensities	Maximum luminous intensity	sITeco
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C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
0,0°	1068.9	1.6	1.6
2,5°	1063.0	12.7	14.3
5,0°	1049.6	25.1	39.4
7,5°	1034.2	37.0	76.4
10,0°	1017.6	48.4	124.8
12,5°	995.1	59.0	183.9
15,0°	967.7	68.7	252.5
17,5°	931.2	76.8	329.3
20,0°	884.6	82.9	412.2
22,5°	821.4	86.2	498.4
25,0°	740.7	85.8	584.2
27,5°	645.8	81.7	666.0
30,0°	542.7	74.4	740.3
32,5°	438.6	64.6	805.0
35,0°	338.3	53.2	858.1
37,5°	249.5	41.6	899.8
40,0°	180.2	31.8	931.5
42,5°	100.5	18.6	950.1
45,0°	46.4	9.0	959.1
47,5°	33.4	6.8	965.9
50,0°	26.7	5.6	971.5
52,5°	18.0	3.9	975.4
55,0°	14.5	3.3	978.7
57,5°	12.6	2.9	981.6
60,0°	11.5	2.7	984.3
62,5°	10.6	2.6	986.9
65,0°	9.6	2.4	989.3
67,5°	8.5	2.2	991.5
70,0°	7.5	1.9	993.4
72,5°	6.5	1.7	995.1
75,0°	5.4	1.4	996.5
77,5°	4.5	1.2	997.7
80,0°	3.5	0.9	998.6
82,5°	2.6	0.7	999.3
85,0°	1.6	0.4	999.8
87,5°	0.8	0.2	1000.0
90,0°	0.1	0.0	1000.0

Photometric test report

Family Lunis 31	Order number: 51DN15DE41 EAN: 4058352555958	LP number 59320_2
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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	15.0	16.2	15.4	16.5	16.9	15.0	16.2	15.4	16.5	16.9
	3H	15.0	16.1	15.4	16.4	16.8	15.0	16.1	15.4	16.4	16.8
	4H	15.0	16.0	15.4	16.4	16.7	15.0	16.0	15.4	16.4	16.7
	6H	15.1	15.9	15.5	16.3	16.7	15.1	15.9	15.5	16.3	16.7
	8H	15.2	15.9	15.6	16.3	16.7	15.2	15.9	15.6	16.3	16.7
	12H	15.2	15.8	15.6	16.2	16.6	15.2	15.8	15.6	16.2	16.6
4H	2H	14.9	15.8	15.3	16.2	16.6	14.9	15.8	15.3	16.2	16.6
	3H	14.9	15.7	15.3	16.1	16.5	14.9	15.7	15.3	16.1	16.5
	4H	14.9	15.6	15.4	16.1	16.5	14.9	15.6	15.4	16.1	16.5
	6H	15.0	15.6	15.5	16.0	16.5	15.0	15.6	15.5	16.0	16.5
	8H	15.0	15.5	15.5	16.0	16.5	15.0	15.5	15.5	16.0	16.5
	12H	15.1	15.5	15.6	16.0	16.5	15.1	15.5	15.6	16.0	16.5
8H	4H	14.9	15.4	15.4	15.9	16.4	14.9	15.4	15.4	15.9	16.4
	6H	15.0	15.4	15.5	15.9	16.4	15.0	15.4	15.5	15.9	16.4
	8H	15.0	15.4	15.5	15.9	16.4	15.0	15.4	15.5	15.9	16.4
	12H	15.1	15.4	15.6	15.9	16.4	15.1	15.4	15.6	15.9	16.4
12H	4H	14.9	15.3	15.4	15.8	16.3	14.9	15.3	15.4	15.8	16.3
	6H	15.0	15.3	15.5	15.8	16.3	15.0	15.3	15.5	15.8	16.3
	8H	15.0	15.3	15.6	15.8	16.4	15.0	15.3	15.6	15.8	16.4

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 146
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C-planes	0°
γ	Luminance in cd/m²
45,0°	4074.8
50,0°	2581.0
55,0°	1571.0
60,0°	1423.8
65,0°	1413.2
70,0°	1358.0
75,0°	1303.5
80,0°	1245.7
85,0°	1145.4

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Luminance values in cd/m²
γ 65°
γ 70°
γ 75°
γ 80°
γ 85°
siteco

