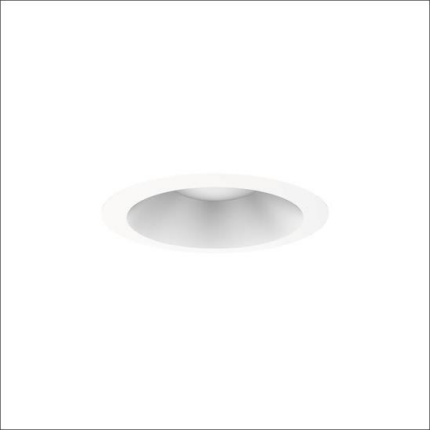

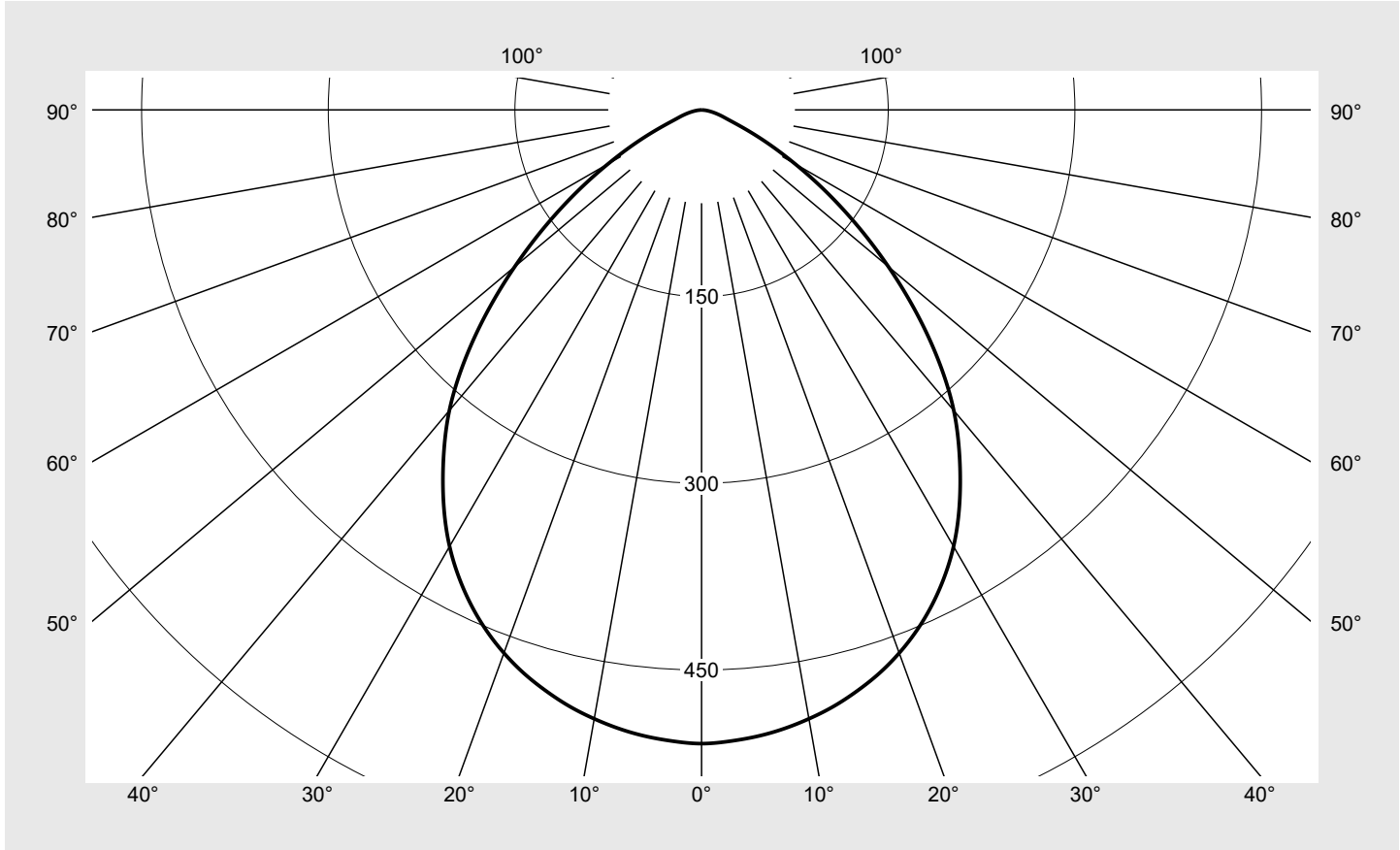


Photometric test report

Family Lunis 31	Order number: 51DN16EG32B EAN: 4069025151834	LP number 59322_7
	Version cover, diffuse, wide distribution, UGR≤22	serial documentation 12.12.2024
	Lamps LED 3000 K CRI ≥ 80	
	Controlgear ECG Multilumen	
	Setting factory setting: DIP-Step=5	
Rated values	Net luminous flux = 2500 lm Power consumption = 17.0 W Luminous efficacy = 147.1 lm/W	

Luminous intensity in cd/klm C180-0 **Imax: 509 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=64 N2=93 N3=99 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 31	Order number: 51DN16EG32B EAN: 4069025151834	LP number 59322_7
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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	
0,0°	509.2	0.8	0.8
2,5°	507.8	6.1	6.8
5,0°	505.4	12.1	18.9
7,5°	501.7	18.0	36.9
10,0°	496.8	23.6	60.5
12,5°	490.8	29.1	89.6
15,0°	483.3	34.3	123.9
17,5°	474.7	39.1	163.1
20,0°	464.4	43.5	206.6
22,5°	452.4	47.5	254.1
25,0°	438.6	50.8	304.9
27,5°	422.8	53.5	358.4
30,0°	405.0	55.5	413.9
32,5°	384.6	56.7	470.6
35,0°	362.4	57.0	527.5
37,5°	339.5	56.7	584.2
40,0°	315.3	55.6	639.7
42,5°	287.7	53.3	693.0
45,0°	257.7	50.0	743.0
47,5°	226.8	45.8	788.8
50,0°	196.0	41.2	830.0
52,5°	166.3	36.2	866.1
55,0°	138.0	31.0	897.1
57,5°	111.4	25.8	922.9
60,0°	86.8	20.6	943.5
62,5°	65.4	15.9	959.4
65,0°	47.0	11.7	971.1
67,5°	32.2	8.1	979.2
70,0°	22.8	5.9	985.1
72,5°	17.7	4.6	989.7
75,0°	13.7	3.6	993.3
77,5°	10.2	2.7	996.1
80,0°	7.1	1.9	998.0
82,5°	4.5	1.2	999.2
85,0°	2.3	0.6	999.9
87,5°	0.5	0.1	1000.0
90,0°	0.0	0.0	1000.0

Photometric test report

Family Lunis 31	Order number: 51DN16EG32B EAN: 4069025151834	LP number 59322_7
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UGR-Table		Standard room									
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	22.1	23.6	22.4	23.9	24.2	22.1	23.6	22.4	23.9	24.2
	3H	22.2	23.6	22.6	23.9	24.2	22.2	23.6	22.6	23.9	24.2
	4H	22.3	23.5	22.7	23.8	24.2	22.3	23.5	22.7	23.8	24.2
	6H	22.3	23.4	22.7	23.8	24.1	22.3	23.4	22.7	23.8	24.1
	8H	22.3	23.3	22.7	23.7	24.1	22.3	23.3	22.7	23.7	24.1
	12H	22.3	23.2	22.7	23.6	24.1	22.3	23.2	22.7	23.6	24.1
4H	2H	22.3	23.5	22.6	23.8	24.2	22.3	23.5	22.6	23.8	24.2
	3H	22.5	23.5	22.9	23.9	24.3	22.5	23.5	22.9	23.9	24.3
	4H	22.5	23.4	23.0	23.8	24.3	22.5	23.4	23.0	23.8	24.3
	6H	22.5	23.3	23.0	23.8	24.2	22.5	23.3	23.0	23.8	24.2
	8H	22.5	23.3	23.0	23.7	24.2	22.5	23.3	23.0	23.7	24.2
	12H	22.6	23.2	23.0	23.6	24.1	22.6	23.2	23.0	23.6	24.1
8H	4H	22.5	23.2	23.0	23.6	24.1	22.5	23.2	23.0	23.6	24.1
	6H	22.5	23.1	23.0	23.6	24.1	22.5	23.1	23.0	23.6	24.1
	8H	22.5	23.0	23.0	23.5	24.1	22.5	23.0	23.0	23.5	24.1
	12H	22.5	23.0	23.1	23.5	24.0	22.5	23.0	23.1	23.5	24.0
12H	4H	22.5	23.1	23.0	23.6	24.1	22.5	23.1	23.0	23.6	24.1
	6H	22.5	23.0	23.0	23.5	24.0	22.5	23.0	23.0	23.5	24.0
	8H	22.5	22.9	23.0	23.4	24.0	22.5	22.9	23.0	23.4	24.0

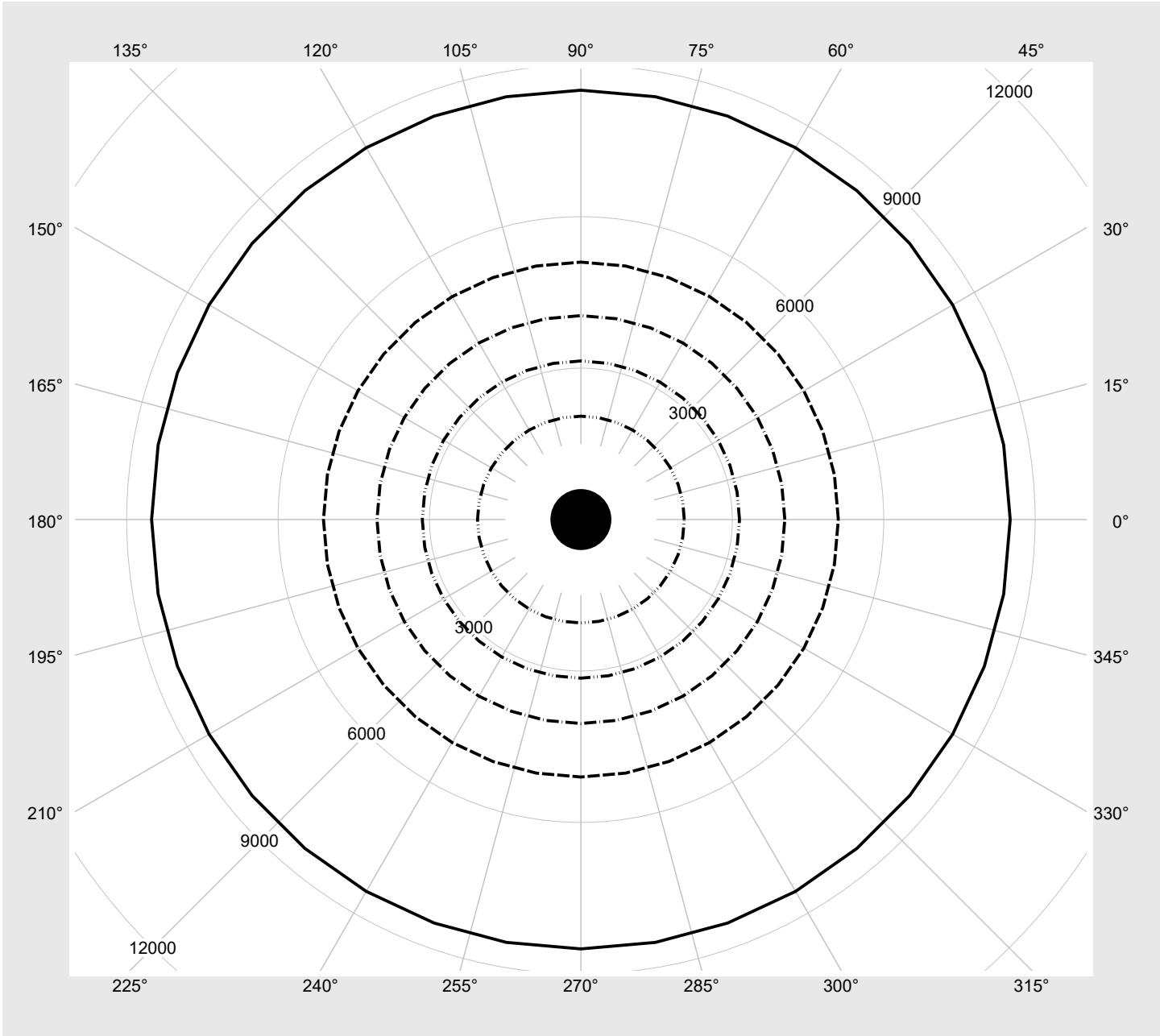
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 204
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C-planes	0°
γ	Luminance in cd/m ²
45,0°	27876.7
50,0°	23320.9
55,0°	18397.5
60,0°	13273.8
65,0°	8506.3
70,0°	5100.6
75,0°	4040.4
80,0°	3142.3
85,0°	2048.3

Photometric test report


Family Lunis 31	Order number: 51DN16EG32B EAN: 4069025151834	LP number 59322_7
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°



Photometric test report

Family Lunis 31	Order number: 51DN16EG32B EAN: 4069025151834	LP number 59322_7
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Multilumen Table	environmental temperature: 25°C	
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
5	ON	OFF	ON	2500	17.0
6	ON	ON	OFF	2230	15.5
7	ON	ON	ON	1960	14.0