

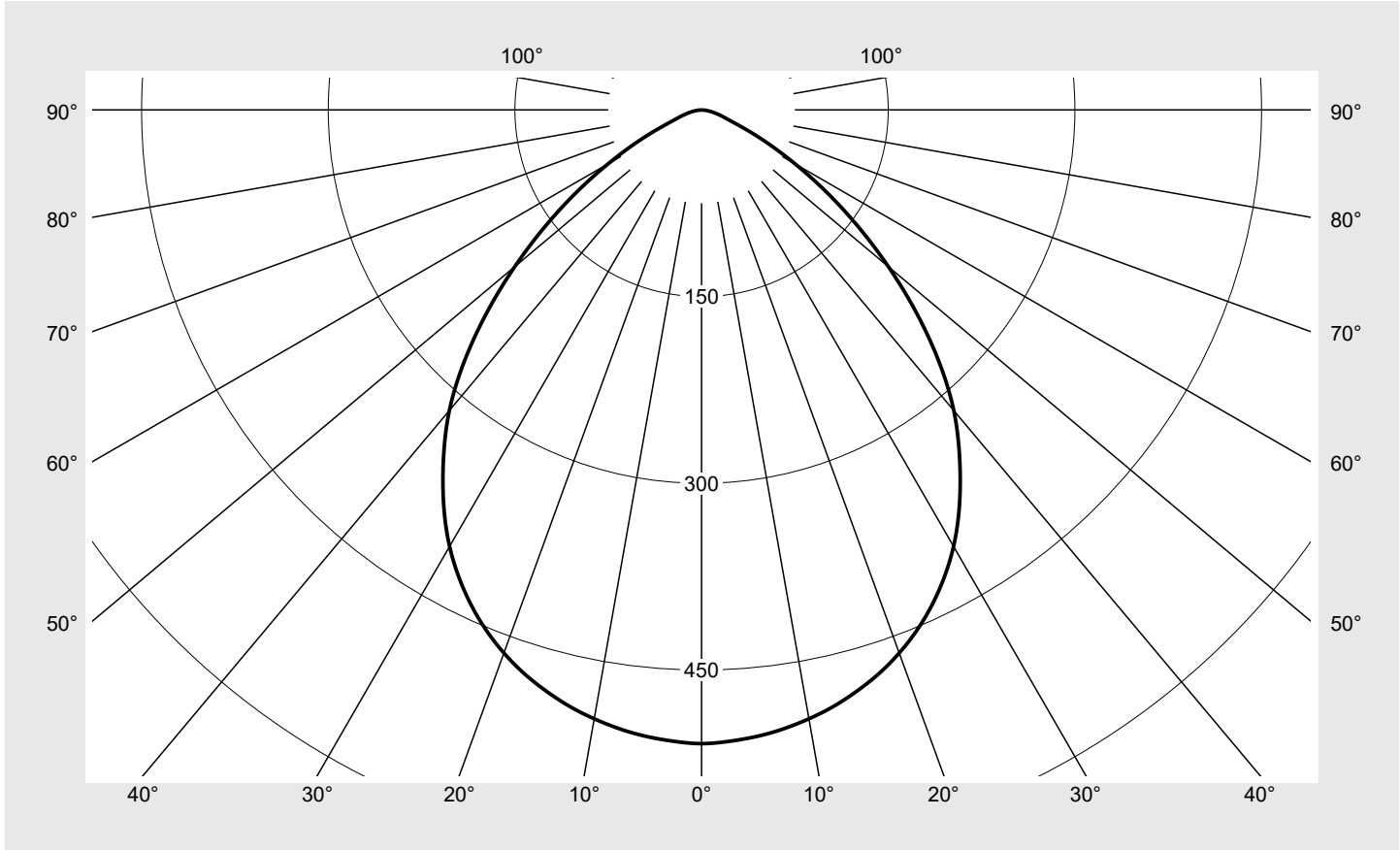


Photometric test report

Family Lunis 31	Order number: 51DN16MG42B EAN: 4069025151988	LP number 59322_6
	Version cover, diffuse, wide distribution, UGR≤22	serial documentation 12.12.2024
	Lamps LED 4000 K CRI ≥ 80	
	Controlgear ECG Multilumen	
	Setting factory setting: DIP-Step=7	
Rated values	Net luminous flux = 2550 lm Power consumption = 17.0 W Luminous efficacy = 150 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

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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°	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

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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	22.1	23.6	22.5	23.9	24.3	22.1	23.6	22.5	23.9	24.3
	3H	22.3	23.6	22.7	24.0	24.3	22.3	23.6	22.7	24.0	24.3
	4H	22.3	23.6	22.7	23.9	24.3	22.3	23.6	22.7	23.9	24.3
	6H	22.3	23.5	22.7	23.8	24.2	22.3	23.5	22.7	23.8	24.2
	8H	22.4	23.4	22.8	23.8	24.2	22.4	23.4	22.8	23.8	24.2
	12H	22.4	23.3	22.8	23.7	24.1	22.4	23.3	22.8	23.7	24.1
4H	2H	22.3	23.5	22.7	23.9	24.3	22.3	23.5	22.7	23.9	24.3
	3H	22.5	23.6	23.0	24.0	24.4	22.5	23.6	23.0	24.0	24.4
	4H	22.6	23.5	23.0	23.9	24.3	22.6	23.5	23.0	23.9	24.3
	6H	22.6	23.4	23.1	23.8	24.3	22.6	23.4	23.1	23.8	24.3
	8H	22.6	23.3	23.1	23.8	24.2	22.6	23.3	23.1	23.8	24.2
	12H	22.6	23.2	23.1	23.7	24.2	22.6	23.2	23.1	23.7	24.2
8H	4H	22.6	23.3	23.0	23.7	24.2	22.6	23.3	23.0	23.7	24.2
	6H	22.6	23.2	23.1	23.7	24.2	22.6	23.2	23.1	23.7	24.2
	8H	22.6	23.1	23.1	23.6	24.1	22.6	23.1	23.1	23.6	24.1
	12H	22.6	23.0	23.1	23.5	24.1	22.6	23.0	23.1	23.5	24.1
12H	4H	22.6	23.2	23.1	23.6	24.1	22.6	23.2	23.1	23.6	24.1
	6H	22.6	23.1	23.1	23.6	24.1	22.6	23.1	23.1	23.6	24.1
	8H	22.6	23.0	23.1	23.5	24.1	22.6	23.0	23.1	23.5	24.1

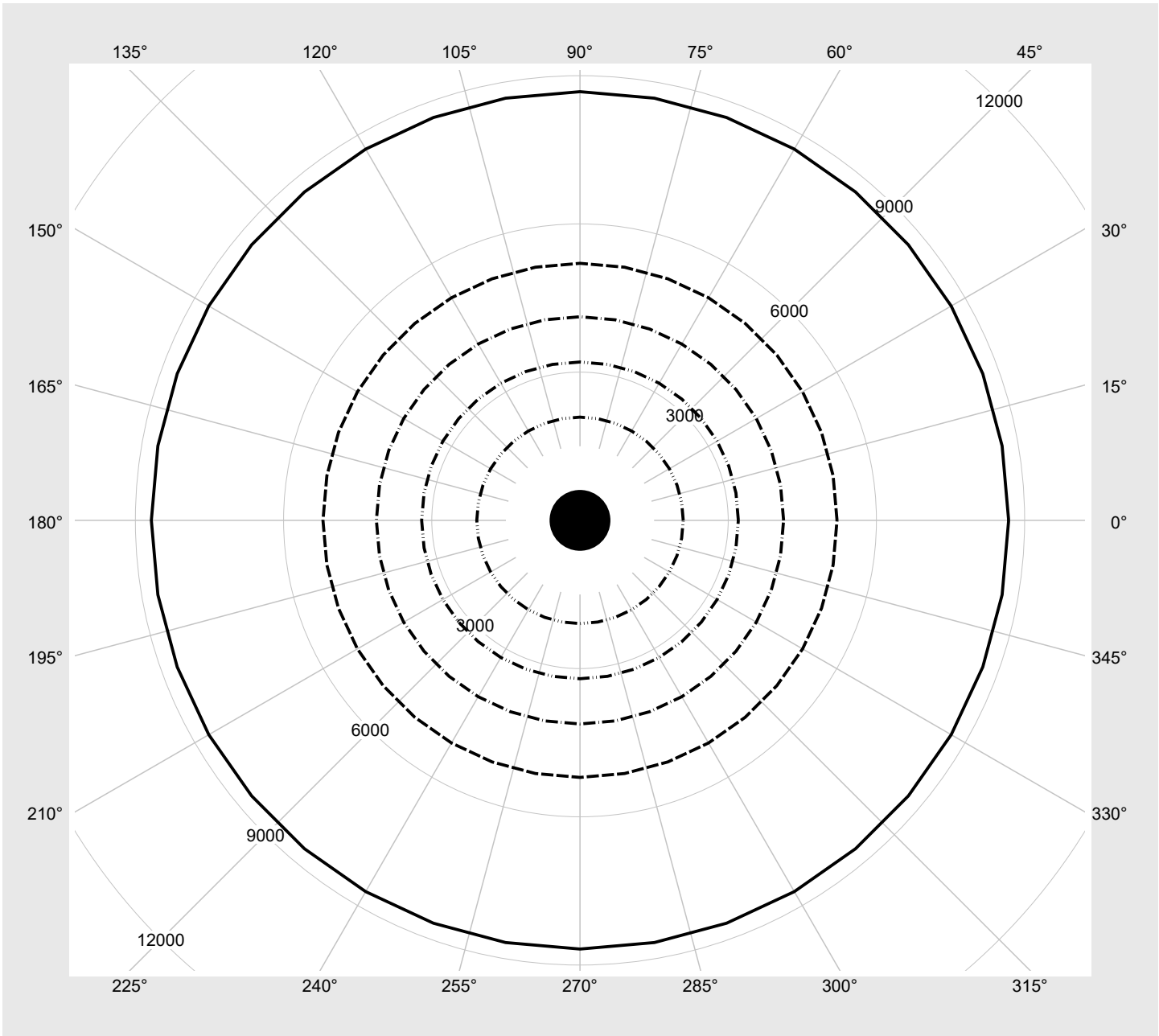
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 204
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C-planes	0°
γ	Luminance in cd/m²
45,0°	28434.2
50,0°	23787.3
55,0°	18765.4
60,0°	13539.2
65,0°	8676.4
70,0°	5202.7
75,0°	4121.2
80,0°	3205.2
85,0°	2089.3

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



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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	4		
7	ON	ON	ON	OFF	2550	17.0
6	OFF	ON	ON	OFF	2280	15.1
5	ON	OFF	ON	OFF	1990	13.0
4	OFF	OFF	ON	OFF	1750	11.5