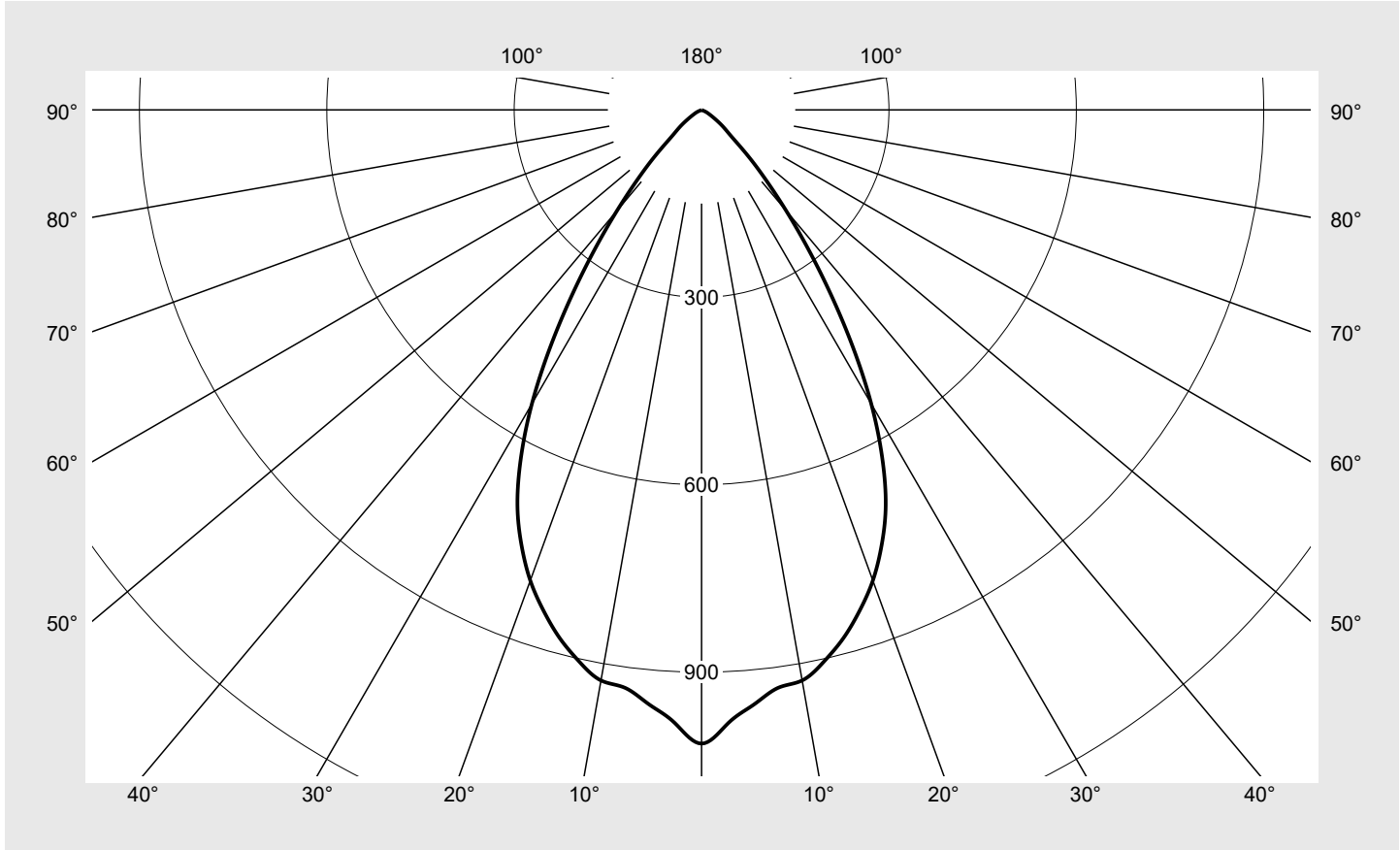


Photometric test report

Family Lunis 21	Order number: 51DB13MD21D1D EAN: 4069025442581	LP number 59847_47
	Version	surface-mounted luminaire, Combined lens and reflector optics, reflector, aluminium, highly specular, rotationally symmetrical wide distribution, UGR≤19 (L65≤3000cd/m²)
	Lamps	LED 4000 K CRI ≥ 90
	Controlgear	ECG Multilumen
	Setting	factory setting: DIP-Step=0
	Rated values	Net luminous flux = 2200 lm Power consumption = 13.3 W Luminous efficacy = 165.4 lm/W
		serial documentation 13.10.2025
		

Luminous intensity in cd/klm C180-0 **Imax: 1014 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=90 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: 51DB13MD21D1D EAN: 4069025442581	LP number 59847_47
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Table of values for luminous intensities Maximum luminous intensity

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0,0°	1014.4	1.5	1.5
2,5°	982.4	11.7	13.3
5,0°	955.9	22.8	36.1
7,5°	933.4	33.4	69.5
10,0°	927.4	44.1	113.6
12,5°	904.7	53.7	167.3
15,0°	876.0	62.1	229.5
17,5°	840.9	69.3	298.8
20,0°	801.8	75.2	374.0
22,5°	753.6	79.1	453.0
25,0°	697.6	80.8	533.8
27,5°	625.8	79.2	613.1
30,0°	543.3	74.5	687.5
32,5°	452.0	66.6	754.1
35,0°	361.4	56.8	810.9
37,5°	280.0	46.7	857.7
40,0°	210.7	37.1	894.8
42,5°	153.9	28.5	923.3
45,0°	109.2	21.2	944.5
47,5°	71.9	14.5	959.0
50,0°	53.3	11.2	970.2
52,5°	41.5	9.0	979.2
55,0°	30.2	6.8	986.0
57,5°	21.4	5.0	990.9
60,0°	15.3	3.6	994.6
62,5°	11.2	2.7	997.3
65,0°	7.5	1.9	999.2
67,5°	3.1	0.8	999.9
70,0°	0.2	0.1	1000.0
72,5°	0.0	0.0	1000.0
75,0°	0.0	0.0	1000.0
77,5°	0.0	0.0	1000.0
80,0°	0.0	0.0	1000.0
82,5°	0.0	0.0	1000.0
85,0°	0.0	0.0	1000.0
87,5°	0.0	0.0	1000.0
90,0°	0.0	0.0	1000.0

Photometric test report

Family Lunis 21	Order number: 51DB13MD21D1D EAN: 4069025442581	LP number 59847_47
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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	19.6	20.8	19.9	21.1	21.4	19.6	20.8	19.9	21.1	21.4
	3H	19.4	20.5	19.8	20.8	21.2	19.4	20.5	19.8	20.8	21.2
	4H	19.4	20.3	19.8	20.7	21.1	19.4	20.3	19.8	20.7	21.1
	6H	19.3	20.2	19.7	20.5	20.9	19.3	20.2	19.7	20.5	20.9
	8H	19.4	20.1	19.8	20.5	20.9	19.4	20.1	19.8	20.5	20.9
	12H	19.3	20.0	19.8	20.4	20.8	19.3	20.0	19.8	20.4	20.8
4H	2H	19.4	20.4	19.8	20.7	21.1	19.4	20.4	19.8	20.7	21.1
	3H	19.3	20.1	19.7	20.5	20.9	19.3	20.1	19.7	20.5	20.9
	4H	19.2	19.9	19.6	20.3	20.7	19.2	19.9	19.6	20.3	20.7
	6H	19.1	19.7	19.5	20.1	20.6	19.1	19.7	19.5	20.1	20.6
	8H	19.0	19.6	19.5	20.0	20.5	19.0	19.6	19.5	20.0	20.5
	12H	19.0	19.5	19.5	19.9	20.4	19.0	19.5	19.5	19.9	20.4
8H	4H	19.0	19.6	19.5	20.0	20.5	19.0	19.6	19.5	20.0	20.5
	6H	18.9	19.4	19.4	19.8	20.3	18.9	19.4	19.4	19.8	20.3
	8H	18.9	19.2	19.4	19.7	20.3	18.9	19.2	19.4	19.7	20.3
	12H	18.8	19.1	19.4	19.6	20.2	18.8	19.1	19.4	19.6	20.2
12H	4H	19.0	19.5	19.5	19.9	20.4	19.0	19.5	19.5	19.9	20.4
	6H	18.9	19.2	19.4	19.7	20.3	18.9	19.2	19.4	19.7	20.3
	8H	18.8	19.1	19.4	19.6	20.2	18.8	19.1	19.4	19.6	20.2

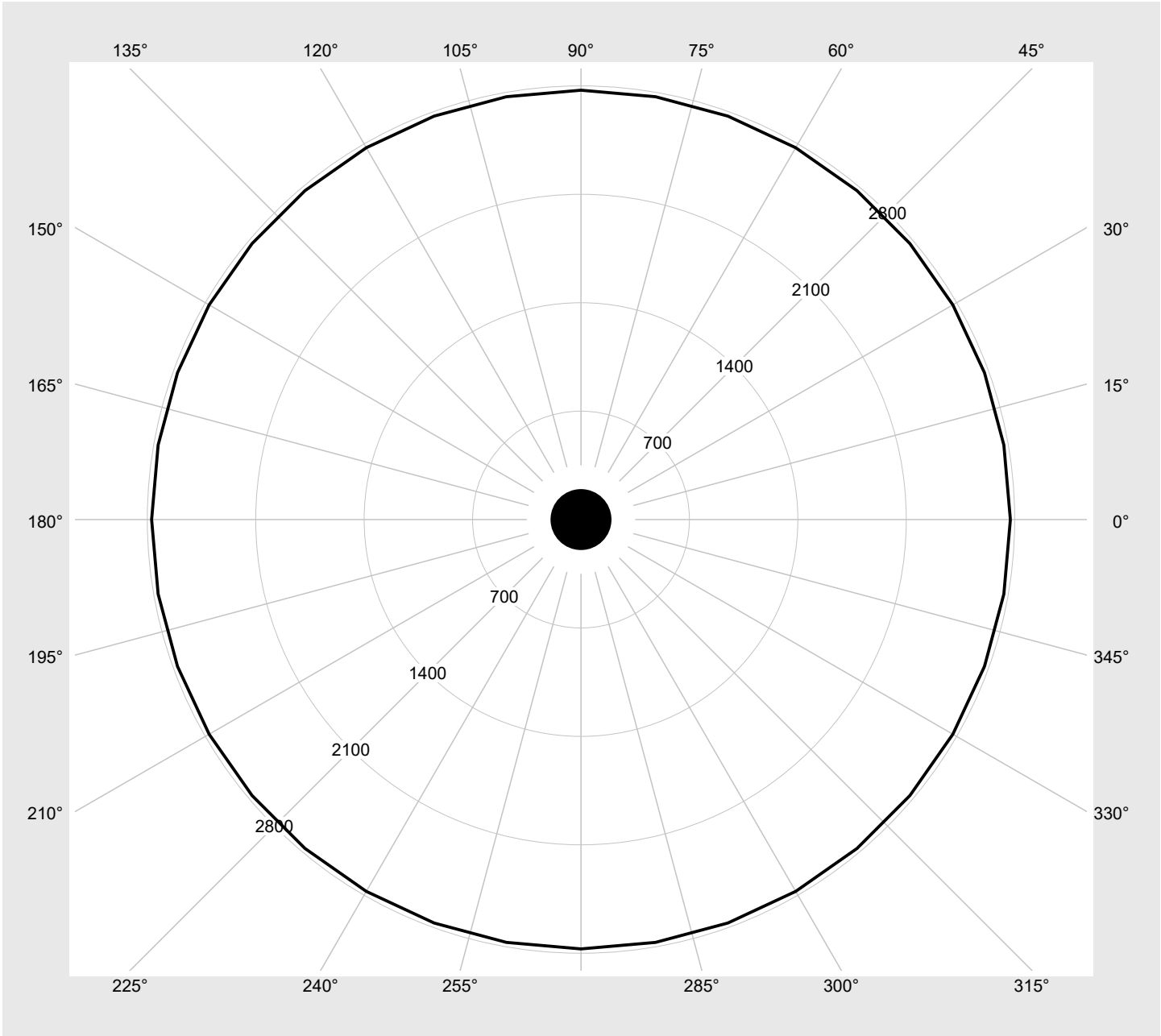
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 134
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C-planes	0°
γ	Luminance in cd/m²
45,0°	24101.0
50,0°	12928.2
55,0°	8224.3
60,0°	4779.8
65,0°	2772.1
70,0°	91.2
75,0°	0.0
80,0°	0.0
85,0°	0.0

Photometric test report

Family Lunis 21	Order number: 51DB13MD21D1D EAN: 4069025442581	LP number 59847_47
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°



Photometric test report

Family Lunis 21	Order number: 51DB13MD21D1D EAN: 4069025442581	LP number 59847_47
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Multilumen Table	environmental temperature: 25°C	sITeco
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
7	ON	ON	ON	4250	26.4
6	ON	ON	OFF	3970	24.5
5	ON	OFF	ON	3680	22.8
4	ON	OFF	OFF	3390	20.8
3	OFF	ON	ON	3100	18.9
2	OFF	ON	OFF	2800	16.9
1	OFF	OFF	ON	2500	15.1
0	OFF	OFF	OFF	2200	13.3