
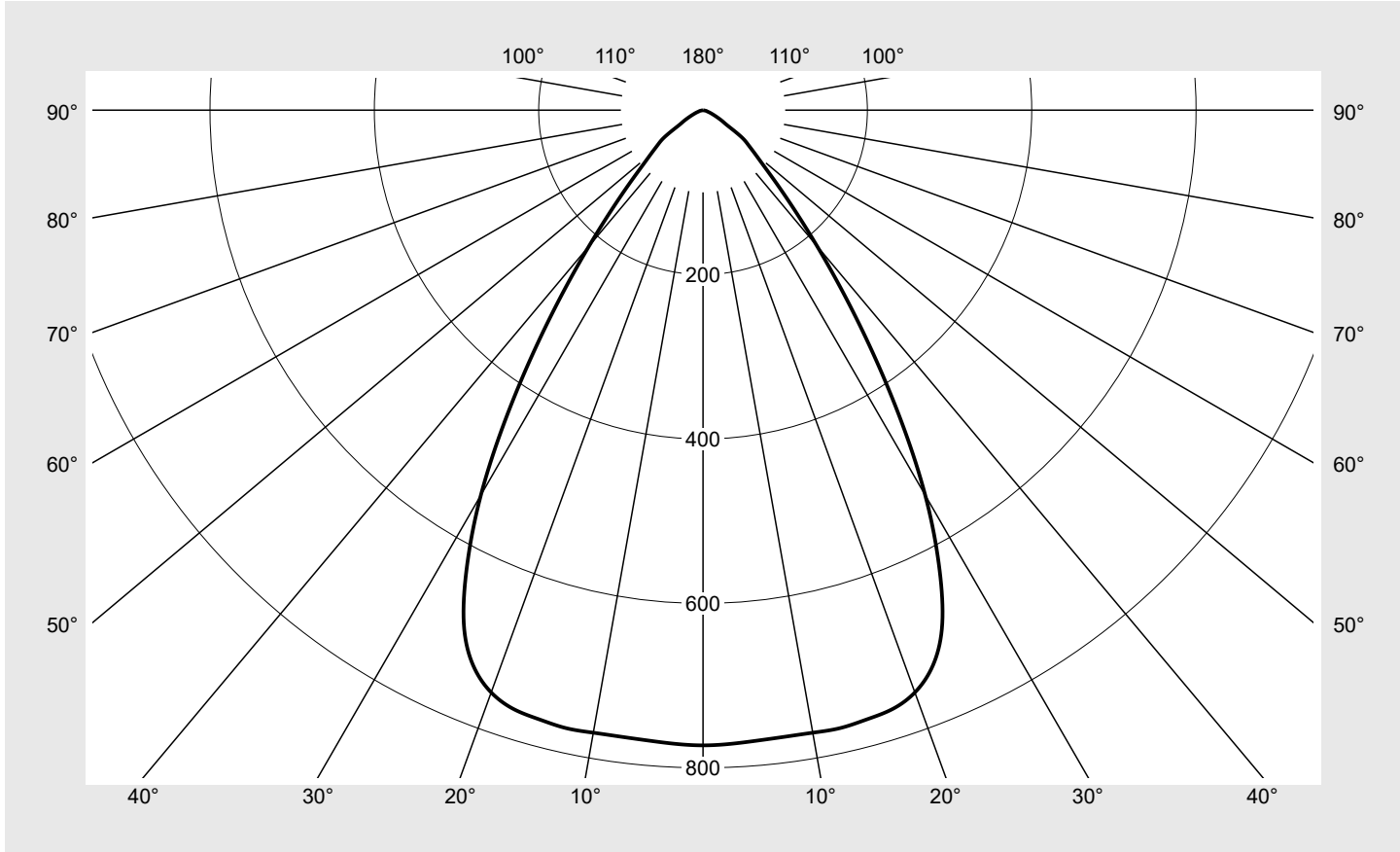


Photometric test report

Family Lunis 21	Order number: 51DB13MF23D1D EAN: 4069025442642	LP number 59836_36
	Version	surface-mounted luminaire, Combined lens and reflector optics, reflector, white, rotationally symmetrical wide distribution, UGR≤22
	Lamps	LED 4000 K CRI ≥ 90
	Controlgear	ECG Multilumen
	Setting	factory setting: DIP-Step=1
	Rated values	Net luminous flux = 2580 lm Power consumption = 15.1 W Luminous efficacy = 170.9 lm/W
		serial documentation 13.10.2025
		

Luminous intensity in cd/klm C180-0 **Imax: 773 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=85 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
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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°	772.7	1.2	1.2
2,5°	771.6	9.2	10.4
5,0°	769.7	18.4	28.8
7,5°	768.7	27.5	56.3
10,0°	769.0	36.6	92.9
12,5°	770.0	45.7	138.6
15,0°	767.5	54.5	193.0
17,5°	764.3	63.0	256.0
20,0°	753.8	70.7	326.7
22,5°	731.1	76.7	403.4
25,0°	688.9	79.8	483.2
27,5°	621.1	78.6	561.8
30,0°	540.7	74.1	635.9
32,5°	449.4	66.2	702.1
35,0°	359.9	56.6	758.7
37,5°	281.0	46.9	805.6
40,0°	215.9	38.0	843.7
42,5°	165.3	30.6	874.3
45,0°	127.6	24.7	899.0
47,5°	100.4	20.3	919.3
50,0°	82.6	17.3	936.6
52,5°	69.5	15.1	951.7
55,0°	57.4	12.9	964.6
57,5°	37.3	8.6	973.2
60,0°	27.9	6.6	979.9
62,5°	21.2	5.2	985.0
65,0°	15.7	3.9	988.9
67,5°	11.6	2.9	991.9
70,0°	8.6	2.2	994.1
72,5°	5.8	1.5	995.6
75,0°	4.6	1.2	996.8
77,5°	3.9	1.0	997.9
80,0°	3.1	0.8	998.7
82,5°	2.3	0.6	999.3
85,0°	1.6	0.4	999.8
87,5°	0.8	0.2	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	18.9	20.2	19.3	20.5	20.9	18.9	20.2	19.3	20.5	20.9
	3H	18.9	20.1	19.3	20.4	20.8	18.9	20.1	19.3	20.4	20.8
	4H	18.9	19.9	19.3	20.3	20.7	18.9	19.9	19.3	20.3	20.7
	6H	18.9	19.8	19.3	20.2	20.6	18.9	19.8	19.3	20.2	20.6
	8H	18.9	19.7	19.4	20.1	20.5	18.9	19.7	19.4	20.1	20.5
	12H	18.9	19.7	19.4	20.1	20.5	18.9	19.7	19.4	20.1	20.5
4H	2H	18.9	19.9	19.3	20.3	20.7	18.9	19.9	19.3	20.3	20.7
	3H	18.9	19.8	19.3	20.1	20.6	18.9	19.8	19.3	20.1	20.6
	4H	18.9	19.6	19.3	20.0	20.5	18.9	19.6	19.3	20.0	20.5
	6H	18.8	19.5	19.3	19.9	20.4	18.8	19.5	19.3	19.9	20.4
	8H	18.8	19.4	19.3	19.9	20.3	18.8	19.4	19.3	19.9	20.3
	12H	18.9	19.3	19.3	19.8	20.3	18.9	19.3	19.3	19.8	20.3
8H	4H	18.8	19.4	19.2	19.8	20.3	18.8	19.4	19.2	19.8	20.3
	6H	18.7	19.2	19.2	19.7	20.2	18.7	19.2	19.2	19.7	20.2
	8H	18.7	19.1	19.2	19.6	20.2	18.7	19.1	19.2	19.6	20.2
	12H	18.8	19.1	19.3	19.6	20.1	18.8	19.1	19.3	19.6	20.1
12H	4H	18.8	19.3	19.3	19.7	20.2	18.8	19.3	19.3	19.7	20.2
	6H	18.7	19.1	19.3	19.6	20.1	18.7	19.1	19.3	19.6	20.1
	8H	18.7	19.1	19.3	19.6	20.1	18.7	19.1	19.3	19.6	20.1

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 182
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C-planes	0°
γ	Luminance in cd/m²
45,0°	17898.1
50,0°	12740.0
55,0°	9916.4
60,0°	5538.7
65,0°	3687.4
70,0°	2496.0
75,0°	1764.1
80,0°	1772.1
85,0°	1821.7

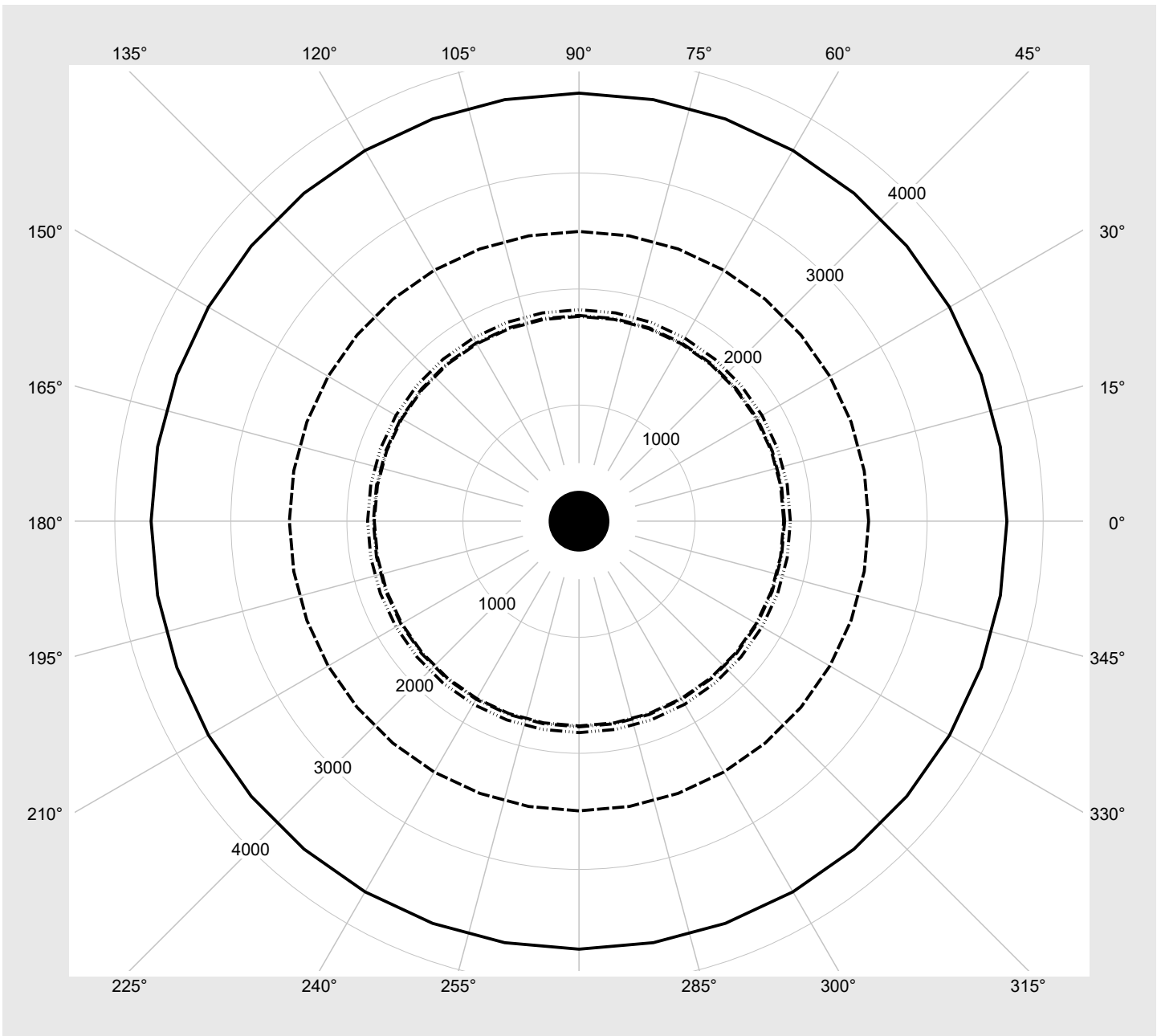
Photometric test report

Family
Lunis 21

Order number: 51DB13MF23D1D
EAN: 4069025442642

LP number
59836_36

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



Photometric test report

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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	4390	26.4
6	ON	ON	OFF	4100	24.5
5	ON	OFF	ON	3800	22.8
4	ON	OFF	OFF	3500	20.8
3	OFF	ON	ON	3200	18.9
2	OFF	ON	OFF	2890	16.9
1	OFF	OFF	ON	2580	15.1
0	OFF	OFF	OFF	2270	13.3