

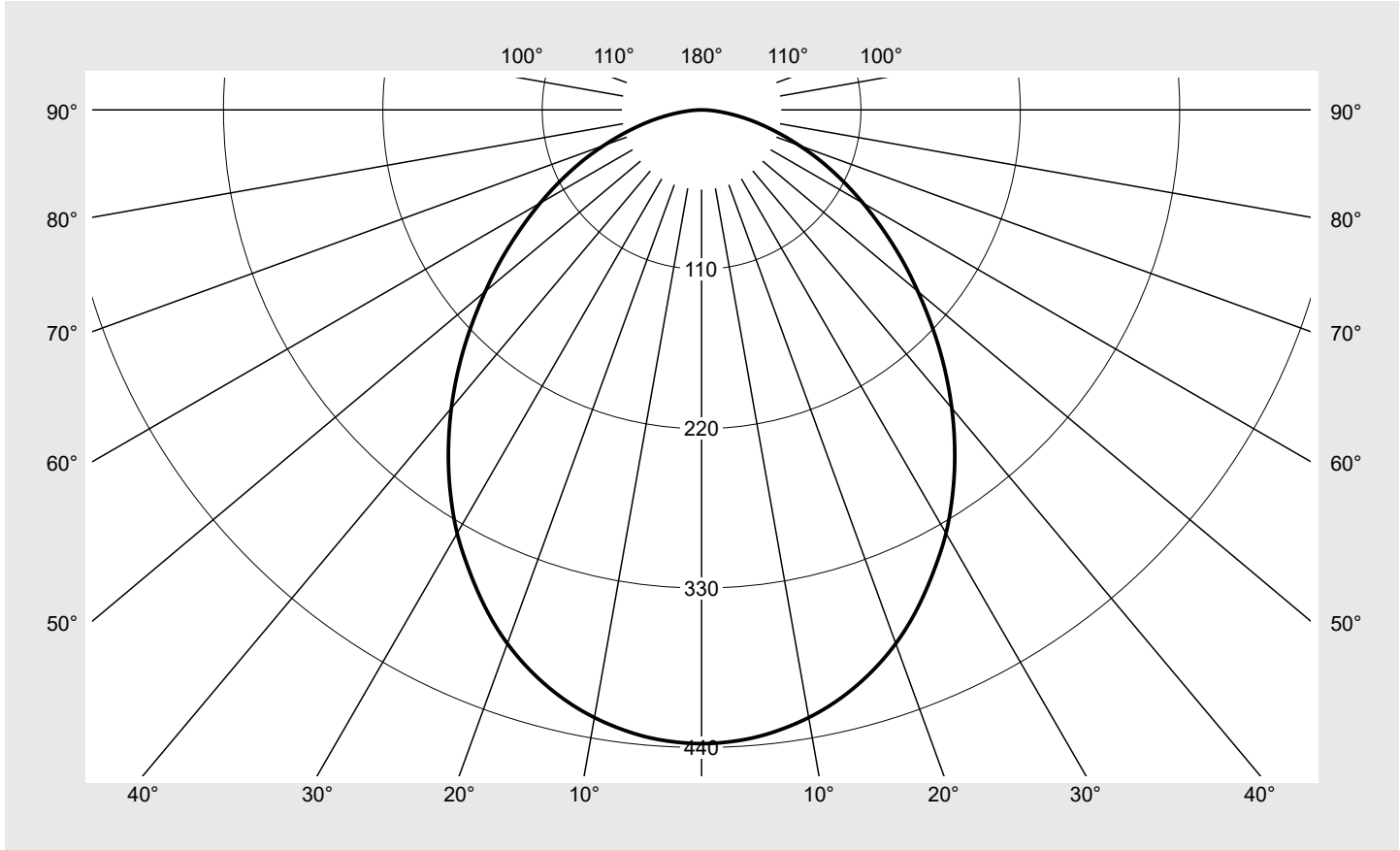


Photometric test report

Family Lunis 21	Order number: 51DB14ED15D1D EAN: 4069025446374	LP number 59855_21
	Version	recessed luminaire, cover opal, PMMA, diffuse beam
	Lamps	LED 4000 K CRI ≥ 90
	Controlgear	ECG Multilumen
	Setting	factory setting: DIP-Step=0
Rated values	Net luminous flux = 1950 lm Power consumption = 14.3 W Luminous efficacy = 136.4 lm/W	serial documentation 13.10.2025
		

Luminous intensity in cd/klm C180-0 **Imax: 437 cd/klm**



Classifications	
DIN 5040	A 4 0
CIE	N1=54 N2=84 N3=97 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°	437.3	0.7	0.7
2,5°	436.5	5.2	5.9
5,0°	434.4	10.4	16.3
7,5°	430.7	15.4	31.7
10,0°	425.8	20.3	51.9
12,5°	419.5	24.9	76.8
15,0°	411.7	29.2	106.0
17,5°	402.5	33.2	139.2
20,0°	391.9	36.7	176.0
22,5°	379.7	39.8	215.8
25,0°	366.1	42.4	258.2
27,5°	351.9	44.5	302.8
30,0°	337.4	46.2	349.0
32,5°	321.2	47.3	396.3
35,0°	304.3	47.8	444.2
37,5°	286.7	47.8	492.0
40,0°	268.7	47.3	539.4
42,5°	250.3	46.4	585.7
45,0°	231.7	44.9	630.6
47,5°	213.0	43.0	673.7
50,0°	194.9	40.9	714.6
52,5°	177.7	38.6	753.2
55,0°	160.6	36.1	789.3
57,5°	144.1	33.3	822.6
60,0°	128.6	30.5	853.1
62,5°	113.7	27.7	880.8
65,0°	99.3	24.7	905.5
67,5°	85.5	21.7	927.1
70,0°	71.7	18.5	945.6
72,5°	59.2	15.5	961.1
75,0°	47.5	12.6	973.7
77,5°	37.1	9.9	983.6
80,0°	27.1	7.3	990.9
82,5°	18.2	4.9	995.9
85,0°	10.6	2.9	998.8
87,5°	4.4	1.2	1000.0
90,0°	0.1	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	24.8	26.4	25.2	26.7	27.1	24.8	26.4	25.2	26.7	27.1
	3H	26.1	27.5	26.4	27.8	28.2	26.1	27.5	26.4	27.8	28.2
	4H	26.5	27.9	26.9	28.2	28.6	26.5	27.9	26.9	28.2	28.6
	6H	26.9	28.1	27.3	28.5	28.9	26.9	28.1	27.3	28.5	28.9
	8H	27.0	28.2	27.4	28.5	28.9	27.0	28.2	27.4	28.5	28.9
	12H	27.1	28.2	27.5	28.5	29.0	27.1	28.2	27.5	28.5	29.0
4H	2H	25.4	26.8	25.8	27.1	27.5	25.4	26.8	25.8	27.1	27.5
	3H	26.9	28.0	27.3	28.4	28.8	26.9	28.0	27.3	28.4	28.8
	4H	27.4	28.5	27.9	28.9	29.3	27.4	28.5	27.9	28.9	29.3
	6H	27.9	28.8	28.3	29.2	29.6	27.9	28.8	28.3	29.2	29.6
	8H	28.0	28.8	28.5	29.3	29.7	28.0	28.8	28.5	29.3	29.7
	12H	28.1	28.8	28.6	29.3	29.8	28.1	28.8	28.6	29.3	29.8
8H	4H	27.7	28.5	28.1	28.9	29.4	27.7	28.5	28.1	28.9	29.4
	6H	28.2	28.9	28.7	29.3	29.9	28.2	28.9	28.7	29.3	29.9
	8H	28.4	29.0	28.9	29.5	30.0	28.4	29.0	28.9	29.5	30.0
	12H	28.5	29.0	29.1	29.5	30.1	28.5	29.0	29.1	29.5	30.1
12H	4H	27.7	28.4	28.2	28.9	29.4	27.7	28.4	28.2	28.9	29.4
	6H	28.3	28.8	28.8	29.3	29.8	28.3	28.8	28.8	29.3	29.8
	8H	28.5	29.0	29.0	29.5	30.0	28.5	29.0	29.0	29.5	30.0

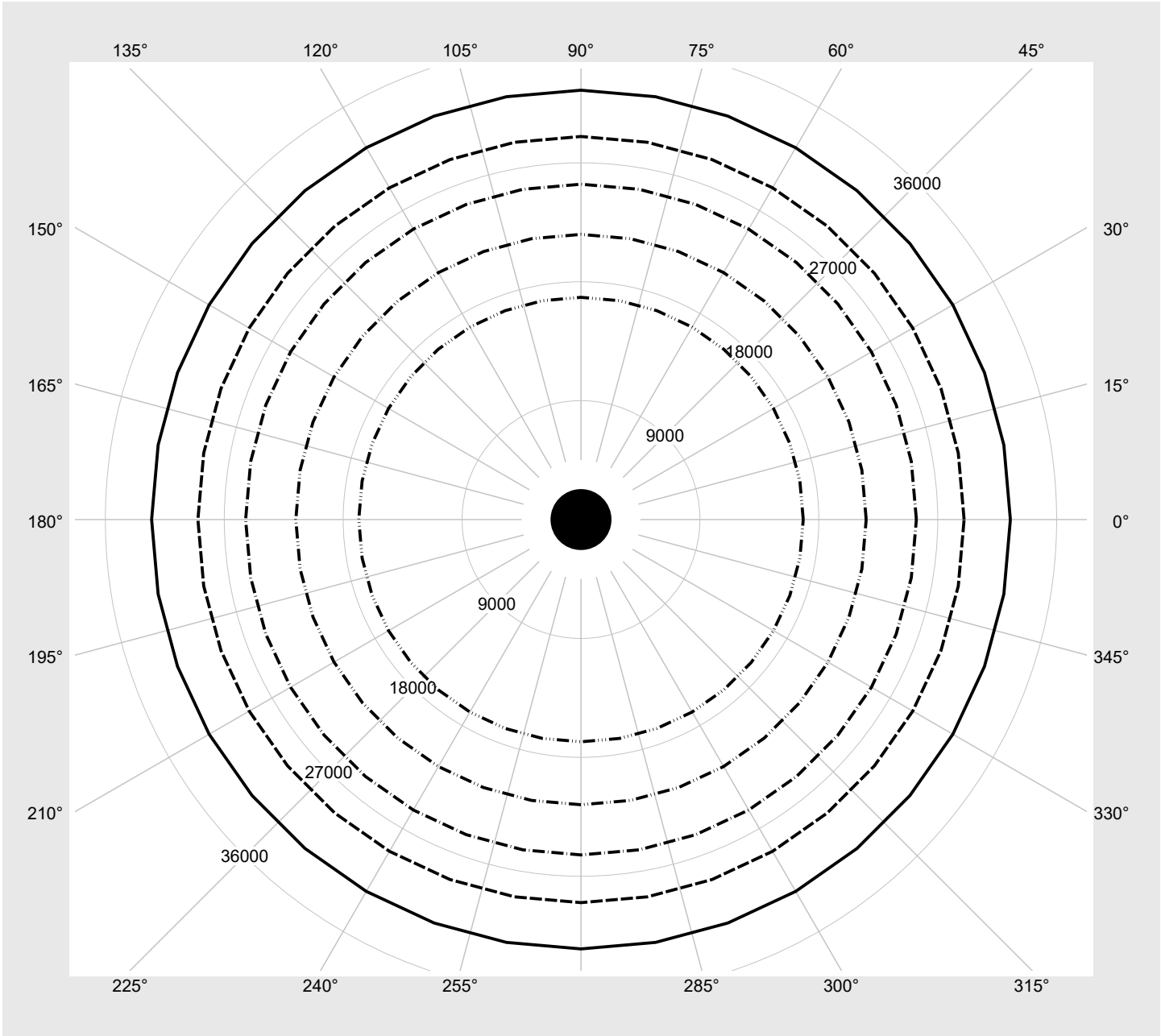
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 134
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C-planes	0°
γ	Luminance in cd/m²
45,0°	45303.4
50,0°	41917.7
55,0°	38704.3
60,0°	35575.2
65,0°	32499.5
70,0°	28996.7
75,0°	25384.6
80,0°	21586.3
85,0°	16821.6

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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		
7	ON	ON	ON	3780	27.9
6	ON	ON	OFF	3530	25.9
5	ON	OFF	ON	3270	23.8
4	ON	OFF	OFF	3020	22.0
3	OFF	ON	ON	2760	20.2
2	OFF	ON	OFF	2490	18.1
1	OFF	OFF	ON	2230	16.2
0	OFF	OFF	OFF	1950	14.3