
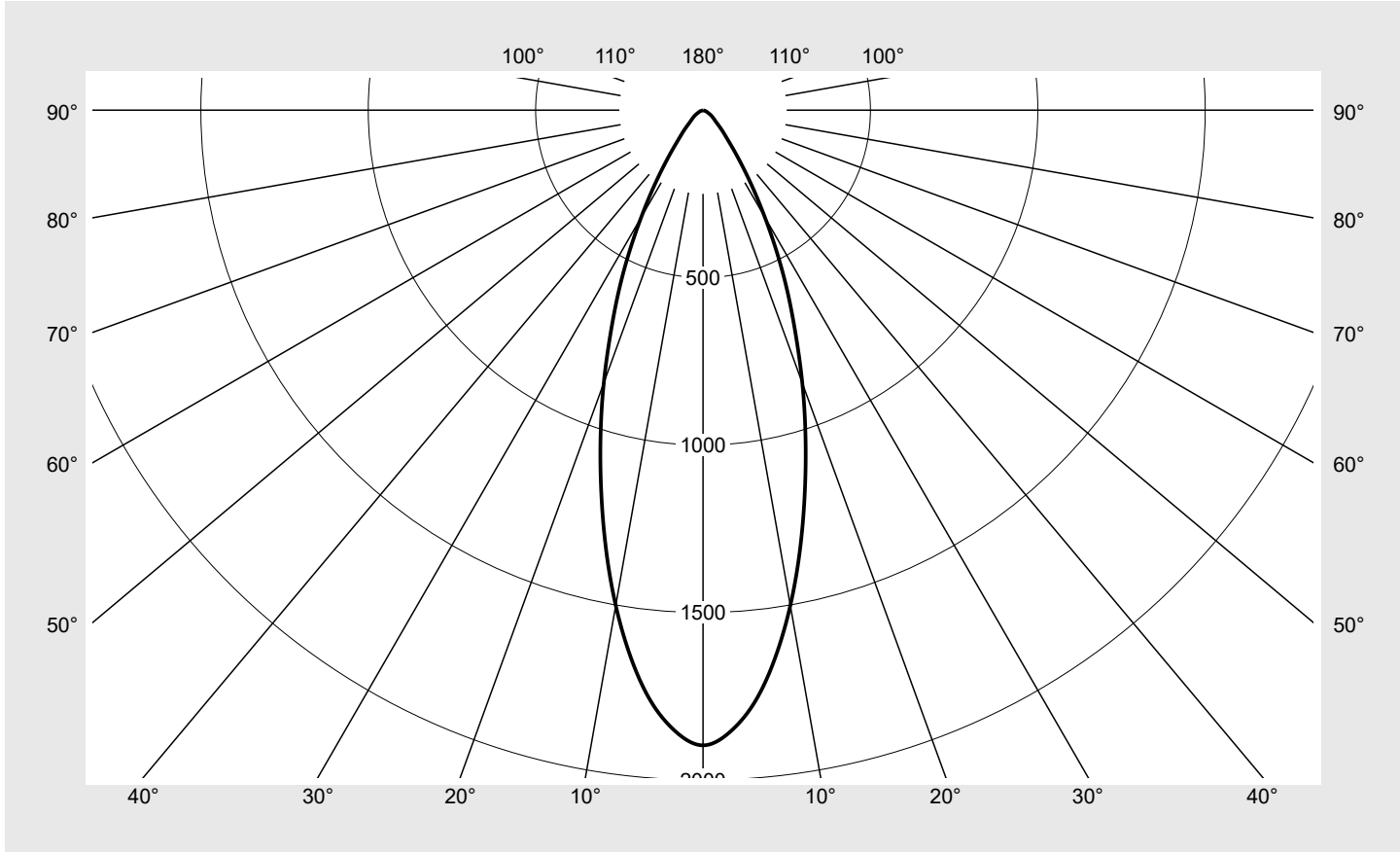


Photometric test report

Family Lunis 21	Order number: 51DB12MC13D1D EAN: 4069025446091	LP number 59858_12
	Version	recessed luminaire, Combined lens and reflector optics, reflector, white, rotationally symmetrical medium distribution, UGR≤22
	Lamps	LED 4000 K CRI ≥ 90
	Controlgear	ECG Multilumen
	Setting	factory setting: DIP-Step=4
	Rated values	Net luminous flux = 1860 lm Power consumption = 11.6 W Luminous efficacy = 160.3 lm/W
		serial documentation 13.10.2025
		

Luminous intensity in cd/klm C180-0 **Imax: 1897 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=90 N2=98 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
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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°	1896.6	2.8	2.8
2,5°	1857.8	22.2	25.1
5,0°	1773.9	42.4	67.4
7,5°	1649.6	59.0	126.5
10,0°	1501.7	71.5	197.9
12,5°	1340.3	79.5	277.5
15,0°	1175.5	83.4	360.9
17,5°	1017.6	83.9	444.8
20,0°	866.8	81.3	526.0
22,5°	722.1	75.7	601.8
25,0°	595.4	69.0	670.8
27,5°	476.6	60.3	731.1
30,0°	369.4	50.6	781.7
32,5°	280.5	41.3	823.0
35,0°	207.8	32.7	855.7
37,5°	153.0	25.5	881.2
40,0°	113.7	20.0	901.3
42,5°	89.4	16.6	917.8
45,0°	69.0	13.4	931.2
47,5°	53.9	10.9	942.1
50,0°	44.9	9.4	951.5
52,5°	38.5	8.4	959.9
55,0°	33.0	7.4	967.3
57,5°	27.4	6.3	973.7
60,0°	21.4	5.1	978.7
62,5°	16.7	4.1	982.8
65,0°	13.0	3.2	986.0
67,5°	11.1	2.8	988.9
70,0°	9.6	2.5	991.3
72,5°	8.3	2.2	993.5
75,0°	7.0	1.9	995.4
77,5°	5.8	1.6	996.9
80,0°	4.6	1.2	998.2
82,5°	3.4	0.9	999.1
85,0°	2.2	0.6	999.7
87,5°	1.1	0.3	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	19.7	20.8	20.0	21.2	21.5	19.7	20.8	20.0	21.2	21.5
	3H	19.9	20.9	20.3	21.2	21.6	19.9	20.9	20.3	21.2	21.6
	4H	20.0	20.9	20.4	21.3	21.7	20.0	20.9	20.4	21.3	21.7
	6H	20.1	20.9	20.5	21.3	21.7	20.1	20.9	20.5	21.3	21.7
	8H	20.3	20.9	20.7	21.3	21.7	20.3	20.9	20.7	21.3	21.7
	12H	20.3	20.9	20.7	21.3	21.7	20.3	20.9	20.7	21.3	21.7
4H	2H	19.7	20.6	20.1	21.0	21.4	19.7	20.6	20.1	21.0	21.4
	3H	20.0	20.8	20.4	21.1	21.6	20.0	20.8	20.4	21.1	21.6
	4H	20.2	20.9	20.6	21.3	21.7	20.2	20.9	20.6	21.3	21.7
	6H	20.4	20.9	20.8	21.4	21.8	20.4	20.9	20.8	21.4	21.8
	8H	20.5	21.0	20.9	21.4	21.9	20.5	21.0	20.9	21.4	21.9
	12H	20.6	21.0	21.1	21.4	21.9	20.6	21.0	21.1	21.4	21.9
8H	4H	20.2	20.7	20.7	21.2	21.6	20.2	20.7	20.7	21.2	21.6
	6H	20.5	20.9	21.0	21.4	21.9	20.5	20.9	21.0	21.4	21.9
	8H	20.6	21.0	21.1	21.4	22.0	20.6	21.0	21.1	21.4	22.0
	12H	20.7	21.0	21.2	21.5	22.1	20.7	21.0	21.2	21.5	22.1
12H	4H	20.2	20.6	20.7	21.1	21.6	20.2	20.6	20.7	21.1	21.6
	6H	20.5	20.8	21.0	21.3	21.8	20.5	20.8	21.0	21.3	21.8
	8H	20.6	20.9	21.2	21.4	22.0	20.6	20.9	21.2	21.4	22.0

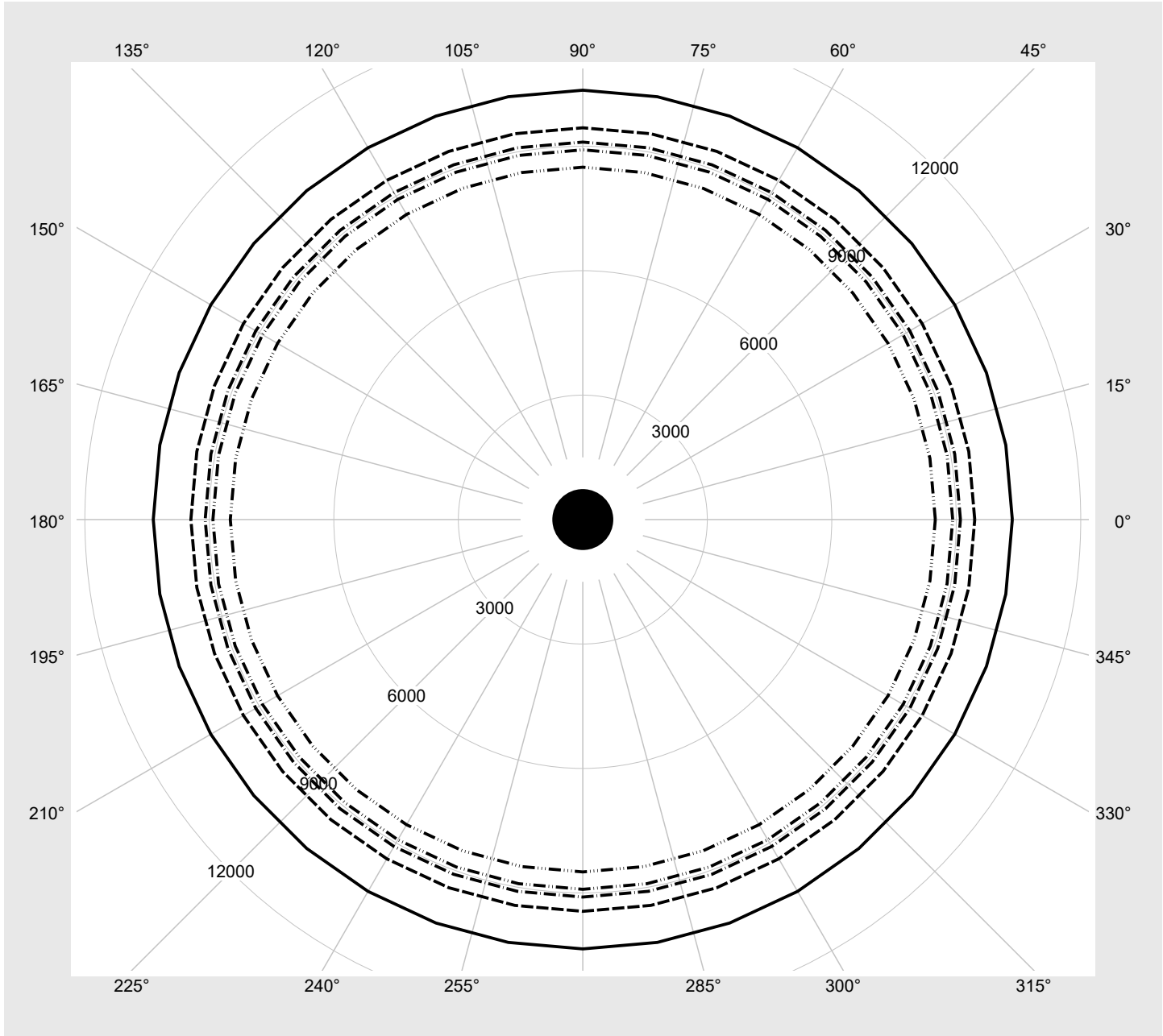
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 84
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C-planes	0°
γ	Luminance in cd/m²
45,0°	32740.4
50,0°	23453.0
55,0°	19301.4
60,0°	14334.9
65,0°	10351.3
70,0°	9445.3
75,0°	9100.8
80,0°	8914.2
85,0°	8495.2

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



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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	2720	17.5
6	ON	ON	OFF	2440	15.5
5	ON	OFF	ON	2150	13.5
4	ON	OFF	OFF	1860	11.6
3	OFF	ON	ON	1560	9.6
2	OFF	ON	OFF	1250	7.6
1	OFF	OFF	ON	940	5.9