

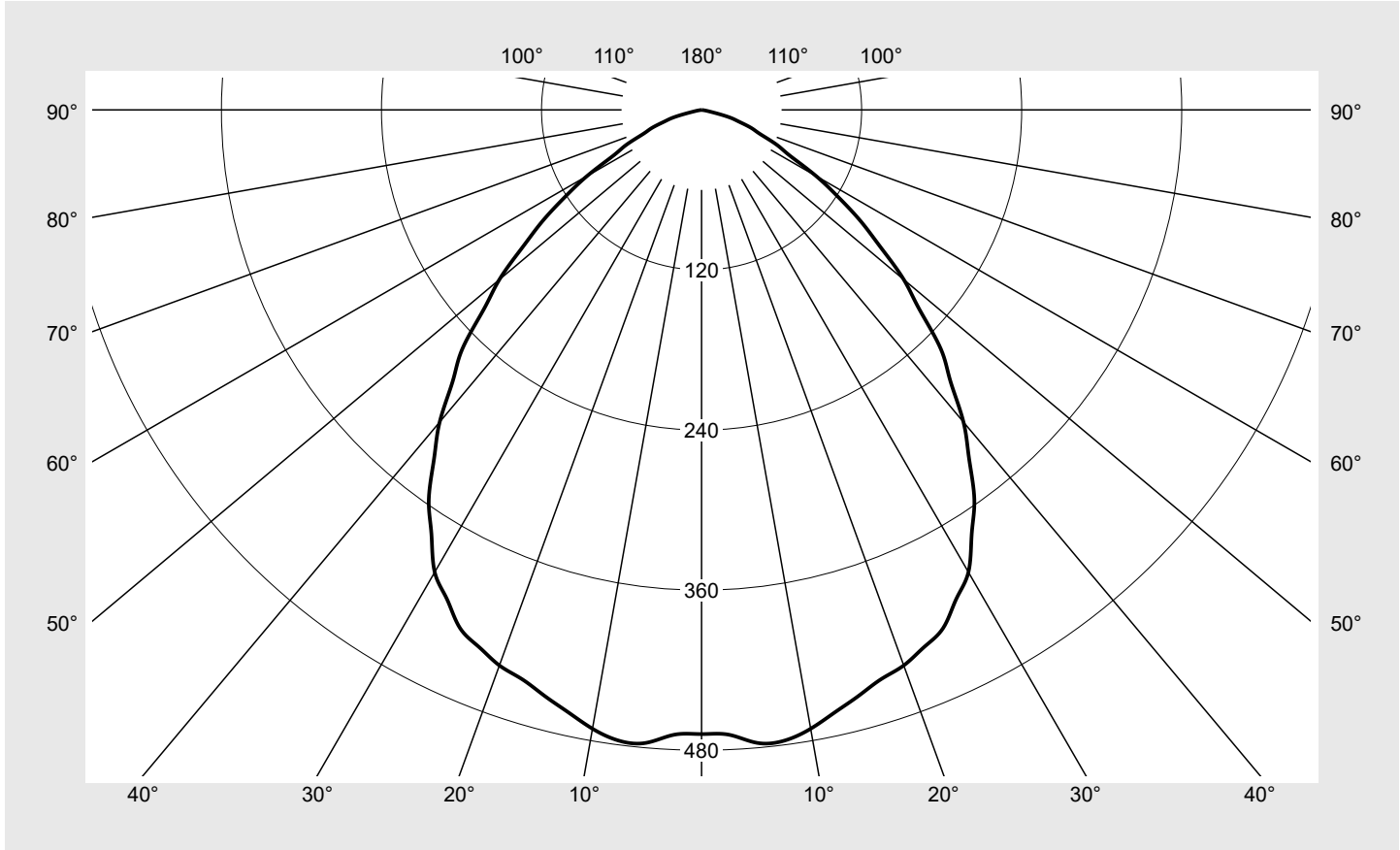


Photometric test report

Family Lunis R LED	Order number: 51DC612MD2400A EAN: 4069025359445	LP number 59721_9
	Version Downlight for ceiling surface mounting or suspended mounting	serial documentation 05.05.2025
	Lamps LED 3000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 3950 lm Power consumption = 25.3 W Luminous efficacy = 156.1 lm/W	
		

Luminous intensity in cd/klm C180-0 **Imax: 477 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=62 N2=91 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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sITeco

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°	467.9	0.7	0.7
2,5°	468.8	5.6	6.3
5,0°	476.3	11.4	17.7
7,5°	476.9	17.1	34.7
10,0°	471.1	22.4	57.2
12,5°	462.5	27.4	84.6
15,0°	454.8	32.3	116.9
17,5°	447.5	36.9	153.8
20,0°	443.2	41.6	195.3
22,5°	435.9	45.7	241.1
25,0°	428.6	49.7	290.7
27,5°	413.5	52.3	343.0
30,0°	400.2	54.8	397.9
32,5°	377.0	55.5	453.4
35,0°	356.6	56.1	509.5
37,5°	329.5	55.0	564.5
40,0°	305.5	53.8	618.3
42,5°	276.3	51.2	669.5
45,0°	253.9	49.2	718.7
47,5°	221.7	44.8	763.5
50,0°	197.9	41.6	805.1
52,5°	169.3	36.8	841.9
55,0°	145.9	32.8	874.6
57,5°	121.3	28.1	902.7
60,0°	99.1	23.5	926.2
62,5°	75.2	18.3	944.5
65,0°	62.7	15.6	960.1
67,5°	47.9	12.1	972.2
70,0°	39.8	10.2	982.5
72,5°	29.5	7.7	990.2
75,0°	21.8	5.8	996.0
77,5°	9.4	2.5	998.5
80,0°	3.7	1.0	999.5
82,5°	0.8	0.2	999.7
85,0°	0.7	0.2	999.9
87,5°	0.4	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	21.0	22.5	21.3	22.8	23.1	21.0	22.5	21.3	22.8	23.1
	3H	21.5	22.8	21.8	23.1	23.5	21.5	22.8	21.8	23.1	23.5
	4H	21.6	22.8	22.0	23.2	23.6	21.6	22.8	22.0	23.2	23.6
	6H	21.6	22.7	22.0	23.1	23.5	21.6	22.7	22.0	23.1	23.5
	8H	21.6	22.6	22.0	23.0	23.4	21.6	22.6	22.0	23.0	23.4
	12H	21.6	22.5	22.0	22.9	23.4	21.6	22.5	22.0	22.9	23.4
4H	2H	21.3	22.5	21.7	22.9	23.3	21.3	22.5	21.7	22.9	23.3
	3H	21.9	22.9	22.3	23.3	23.7	21.9	22.9	22.3	23.3	23.7
	4H	22.0	23.0	22.5	23.4	23.8	22.0	23.0	22.5	23.4	23.8
	6H	22.0	22.8	22.5	23.3	23.7	22.0	22.8	22.5	23.3	23.7
	8H	22.0	22.7	22.5	23.2	23.7	22.0	22.7	22.5	23.2	23.7
	12H	22.0	22.6	22.5	23.1	23.6	22.0	22.6	22.5	23.1	23.6
8H	4H	22.1	22.8	22.5	23.2	23.7	22.1	22.8	22.5	23.2	23.7
	6H	22.0	22.6	22.5	23.1	23.6	22.0	22.6	22.5	23.1	23.6
	8H	22.0	22.5	22.5	23.0	23.5	22.0	22.5	22.5	23.0	23.5
	12H	22.0	22.4	22.5	22.9	23.5	22.0	22.4	22.5	22.9	23.5
12H	4H	22.1	22.7	22.5	23.1	23.6	22.1	22.7	22.5	23.1	23.6
	6H	22.0	22.5	22.5	23.0	23.5	22.0	22.5	22.5	23.0	23.5
	8H	22.0	22.4	22.5	22.9	23.5	22.0	22.4	22.5	22.9	23.5

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 308
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C-planes	0°
γ	Luminance in cd/m²
45,0°	19034.1
50,0°	16325.0
55,0°	13487.8
60,0°	10511.3
65,0°	7869.0
70,0°	6162.3
75,0°	4468.3
80,0°	1130.9
85,0°	409.4

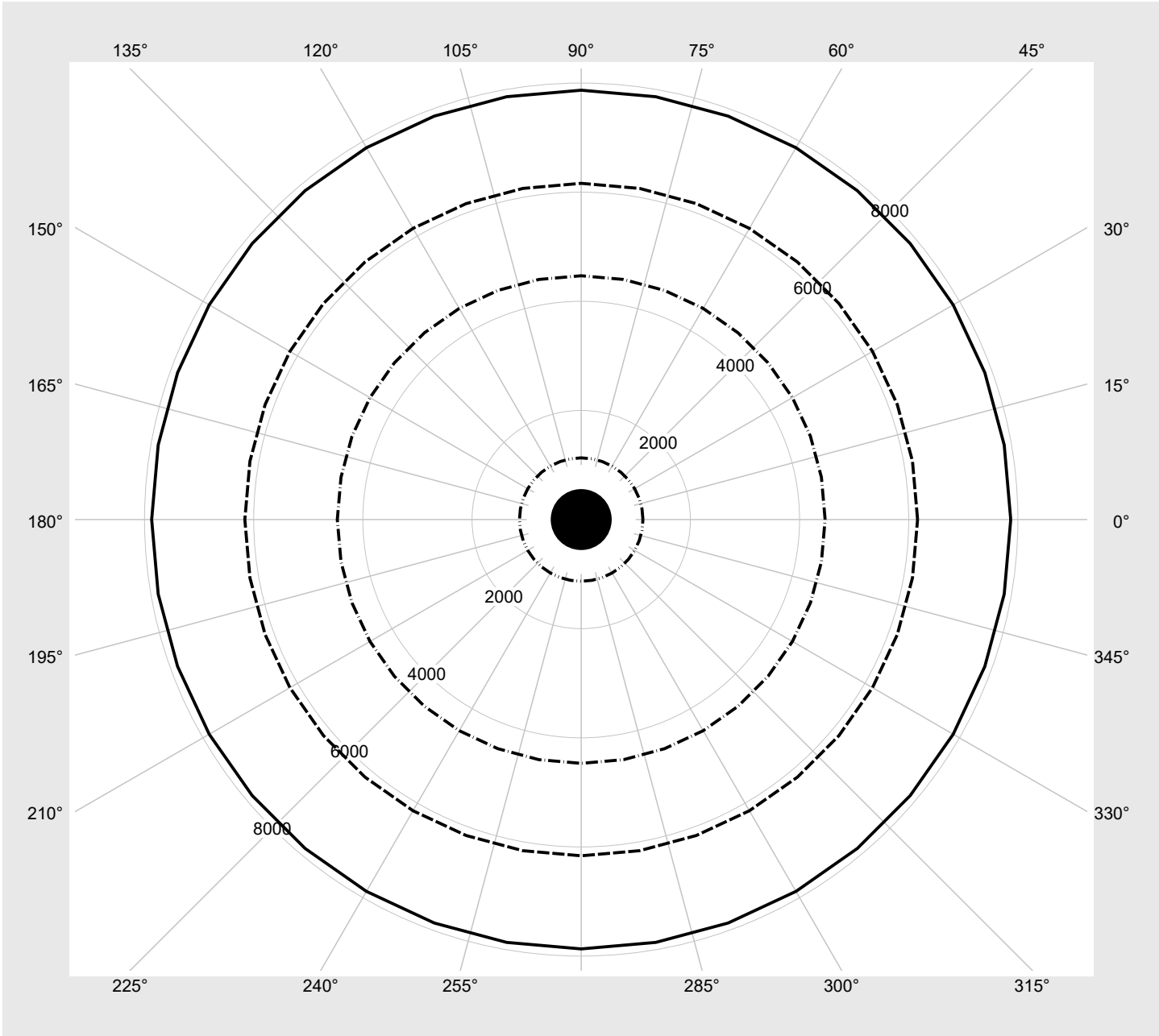
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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Multilumen Table	environmental temperature: 25°C	sITeco
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
7	ON	ON	ON	3950	25.3
6	OFF	ON	ON	3680	23.5
5	ON	OFF	ON	3410	21.7
4	OFF	OFF	ON	3140	19.9
3	ON	ON	OFF	2860	18.1
2	OFF	ON	OFF	2580	16.5
1	ON	OFF	OFF	2300	14.9
0	OFF	OFF	OFF	2020	13.2