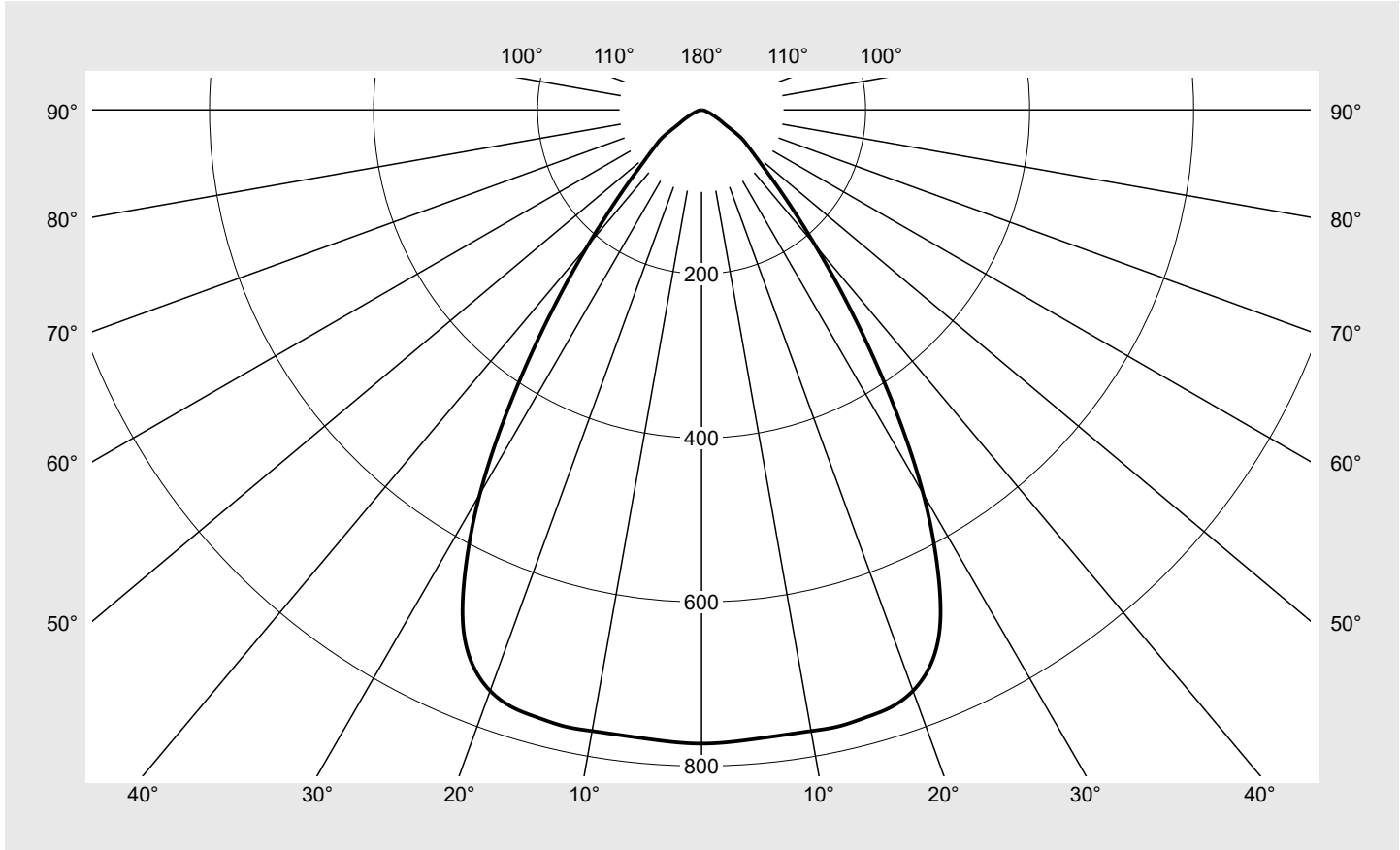


Photometric test report

Family Lunis 21 XL	Order number: 51DB63MF13B1D EAN: 4069025644626	LP number 59836_53
	Version recessed luminaire, Combined lens and reflector optics, reflector, white, rotationally symmetrical wide distribution, UGR≤19	serial documentation 25.03.2026
	Lamps LED 3000 K CRI ≥ 90	
Controlgear ECG Multilumen	Setting factory setting: DIP-Step=1	
Rated values Net luminous flux = 2480 lm	Power consumption = 15.1 W	
Luminous efficacy = 164.2 lm/W		

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

Family Lunis 21 XL	Order number: 51DB63MF13B1D EAN: 4069025644626	LP number 59836_53
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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

Photometric test report

Family Lunis 21 XL	Order number: 51DB63MF13B1D EAN: 4069025644626	LP number 59836_53
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UGR-Table		Standard room									
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	18.8	20.1	19.2	20.4	20.7	18.8	20.1	19.2	20.4	20.7
	3H	18.8	19.9	19.2	20.3	20.6	18.8	19.9	19.2	20.3	20.6
	4H	18.8	19.8	19.2	20.2	20.5	18.8	19.8	19.2	20.2	20.5
	6H	18.7	19.7	19.1	20.0	20.4	18.7	19.7	19.1	20.0	20.4
	8H	18.8	19.6	19.2	20.0	20.4	18.8	19.6	19.2	20.0	20.4
	12H	18.8	19.5	19.2	19.9	20.3	18.8	19.5	19.2	19.9	20.3
4H	2H	18.8	19.8	19.2	20.2	20.5	18.8	19.8	19.2	20.2	20.5
	3H	18.8	19.6	19.2	20.0	20.4	18.8	19.6	19.2	20.0	20.4
	4H	18.7	19.5	19.2	19.9	20.3	18.7	19.5	19.2	19.9	20.3
	6H	18.7	19.3	19.2	19.8	20.2	18.7	19.3	19.2	19.8	20.2
	8H	18.7	19.3	19.2	19.7	20.2	18.7	19.3	19.2	19.7	20.2
	12H	18.7	19.2	19.2	19.6	20.1	18.7	19.2	19.2	19.6	20.1
8H	4H	18.6	19.2	19.1	19.7	20.1	18.6	19.2	19.1	19.7	20.1
	6H	18.6	19.1	19.1	19.6	20.1	18.6	19.1	19.1	19.6	20.1
	8H	18.6	19.0	19.1	19.5	20.0	18.6	19.0	19.1	19.5	20.0
	12H	18.6	18.9	19.1	19.4	20.0	18.6	18.9	19.1	19.4	20.0
12H	4H	18.6	19.1	19.1	19.6	20.1	18.6	19.1	19.1	19.6	20.1
	6H	18.6	19.0	19.1	19.5	20.0	18.6	19.0	19.1	19.5	20.0
	8H	18.6	18.9	19.1	19.4	20.0	18.6	18.9	19.1	19.4	20.0

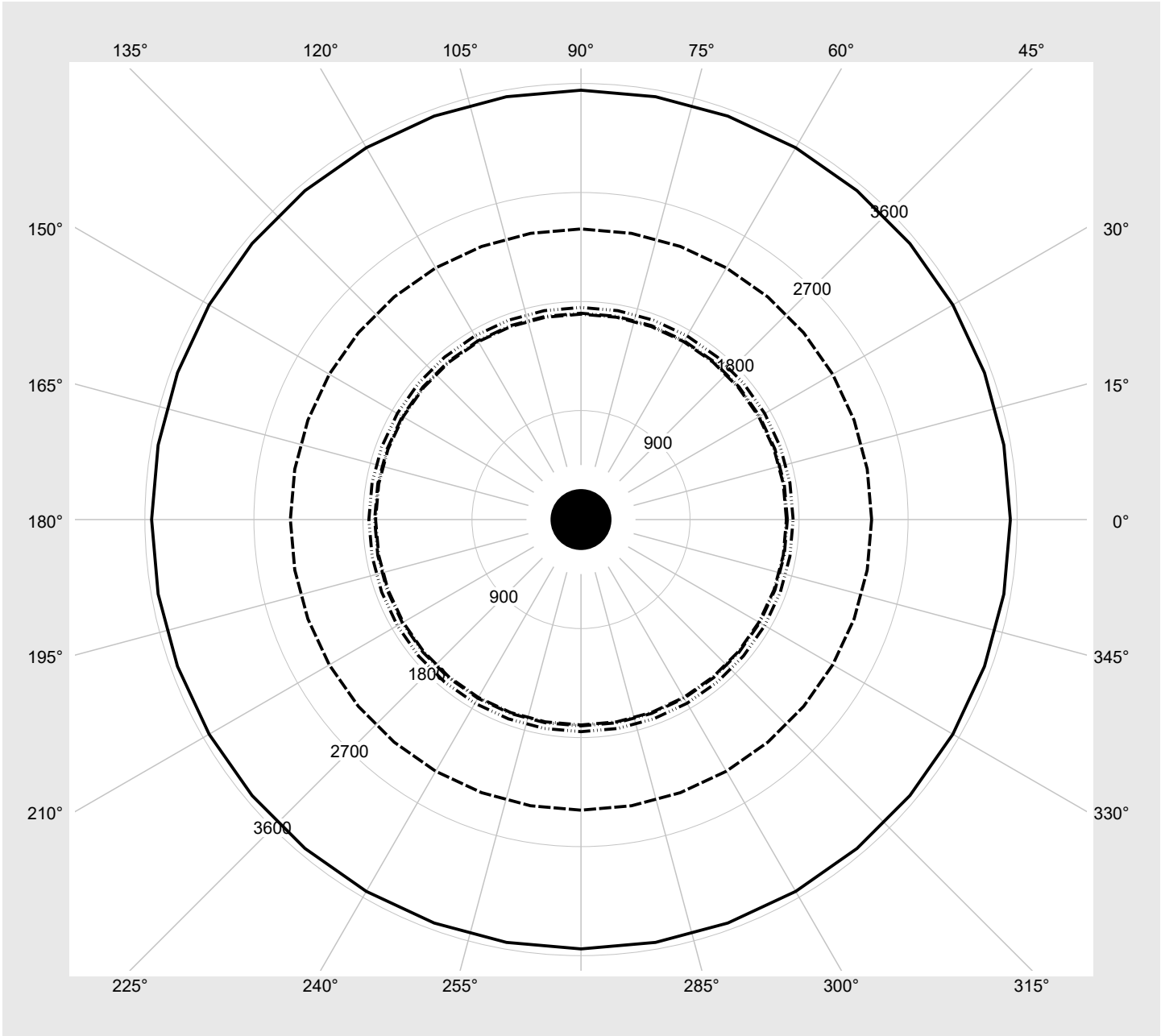
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 182
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C-planes	0°
γ	Luminance in cd/m ²
45,0°	17204.4
50,0°	12246.2
55,0°	9532.0
60,0°	5324.1
65,0°	3544.5
70,0°	2399.2
75,0°	1695.7
80,0°	1703.5
85,0°	1751.1

Photometric test report

Family Lunis 21 XL	Order number: 51DB63MF13B1D EAN: 4069025644626	LP number 59836_53
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family Lunis 21 XL	Order number: 51DB63MF13B1D EAN: 4069025644626	LP number 59836_53
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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	4220	26.4
6	ON	ON	OFF	3940	24.5
5	ON	OFF	ON	3660	22.8
4	ON	OFF	OFF	3370	20.8
3	OFF	ON	ON	3080	18.9
2	OFF	ON	OFF	2780	16.9
1	OFF	OFF	ON	2480	15.1
0	OFF	OFF	OFF	2180	13.3