Photometric test report

Family
Lunis 21



Order number: 51DB13MF21B1D
EAN: 4069025442611

LP number
59834_42

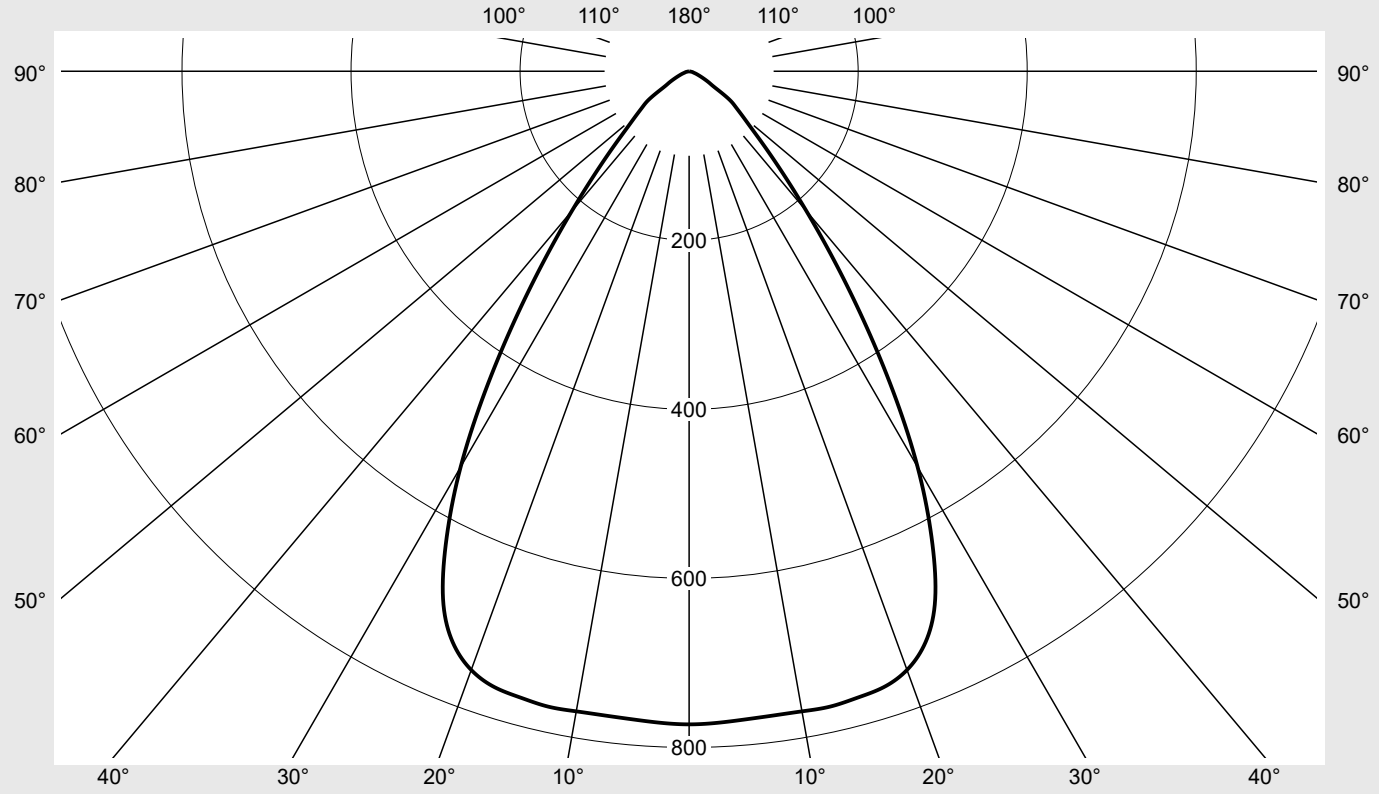
serial documentation
13.10.2025

Version	surface-mounted luminaire, Combined lens and reflector optics, reflector, aluminium, highly specular, rotationally symmetrical wide distribution, UGR≤22
Lamps	LED 3000 K | CRI ≥ 90
Controlgear	ECG Multilumen
Setting	factory setting: DIP-Step=1
Rated values	Net luminous flux = 2450 lm Power consumption = 15.1 W Luminous efficacy = 162.3 lm/W

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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

ηLB	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

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

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	19.1	20.4	20.7	18.8	20.1	19.1	20.4	20.7
	3H	18.8	19.9	19.1	20.2	20.6	18.8	19.9	19.1	20.2	20.6
	4H	18.7	19.8	19.1	20.1	20.5	18.7	19.8	19.1	20.1	20.5
	6H	18.7	19.6	19.1	20.0	20.4	18.7	19.6	19.1	20.0	20.4
	8H	18.8	19.6	19.2	19.9	20.4	18.8	19.6	19.2	19.9	20.4
	12H	18.7	19.5	19.2	19.9	20.3	18.7	19.5	19.2	19.9	20.3
4H	2H	18.7	19.8	19.1	20.1	20.5	18.7	19.8	19.1	20.1	20.5
	3H	18.7	19.6	19.1	20.0	20.4	18.7	19.6	19.1	20.0	20.4
	4H	18.7	19.4	19.1	19.9	20.3	18.7	19.4	19.1	19.9	20.3
	6H	18.6	19.3	19.1	19.7	20.2	18.6	19.3	19.1	19.7	20.2
	8H	18.6	19.2	19.1	19.7	20.2	18.6	19.2	19.1	19.7	20.2
	12H	18.7	19.1	19.2	19.6	20.1	18.7	19.1	19.2	19.6	20.1
8H	4H	18.6	19.2	19.1	19.6	20.1	18.6	19.2	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	18.5	19.0	19.1	19.5	20.0	18.5	19.0	19.1	19.5	20.0
	12H	18.6	18.9	19.1	19.4	19.9	18.6	18.9	19.1	19.4	19.9
12H	4H	18.6	19.1	19.1	19.5	20.0	18.6	19.1	19.1	19.5	20.0
	6H	18.6	18.9	19.1	19.4	20.0	18.6	18.9	19.1	19.4	20.0
	8H	18.6	18.9	19.1	19.4	19.9	18.6	18.9	19.1	19.4	19.9

Luminance table

Max. for $\gamma >= 65°$

Photometric dimensions in mm: D = 182

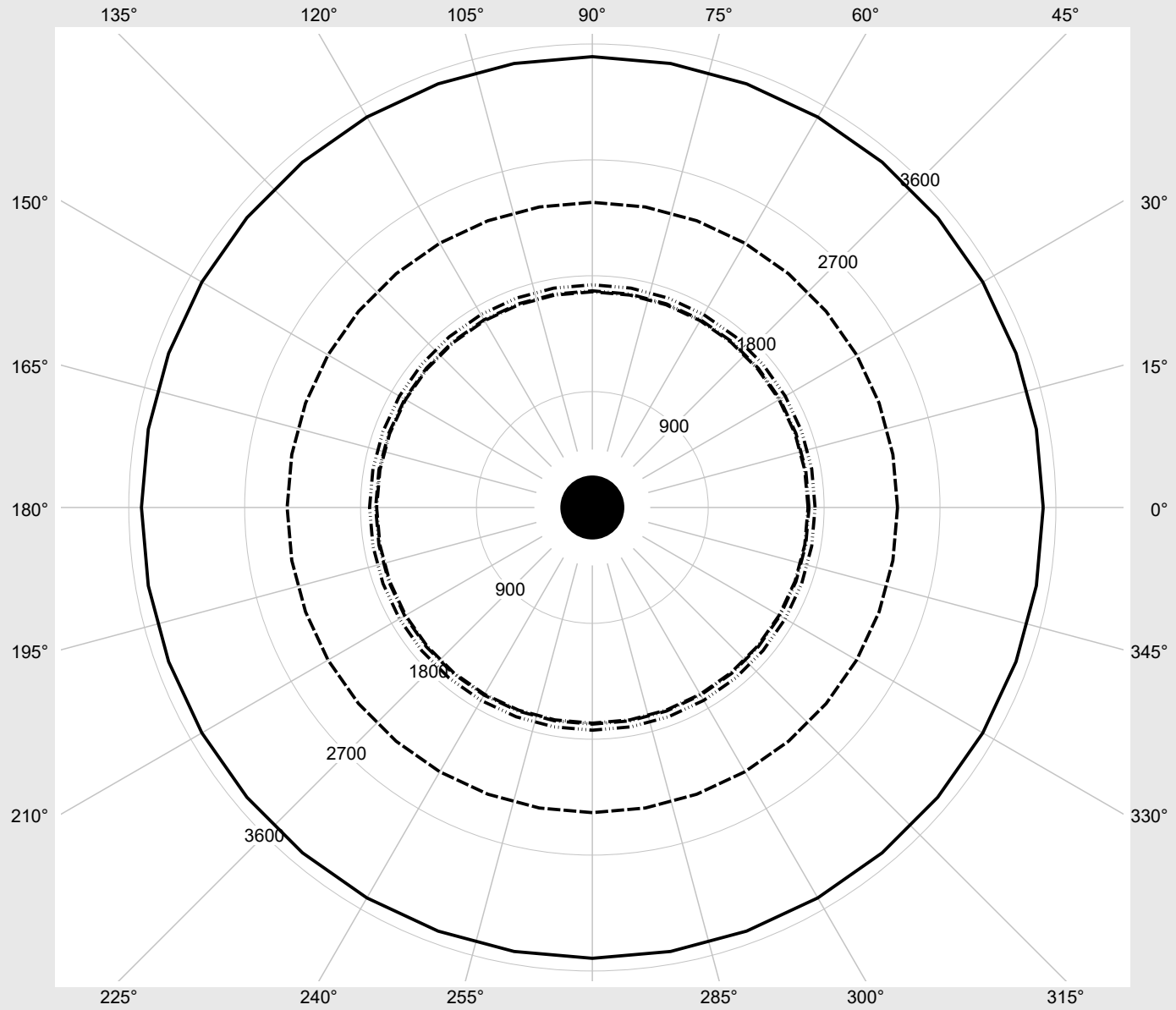
C-planes	0°
γ	Luminance in cd/m²
45,0°	16996.3
50,0°	12098.0
55,0°	9416.7
60,0°	5259.6
65,0°	3501.6
70,0°	2370.2
75,0°	1675.2
80,0°	1682.8
85,0°	1729.9

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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

DIP-Step	Switch Setting 1	2	3	Luminous flux [lm]	Power consumption [W]
7	ON	ON	ON	4160	26.4
6	ON	ON	OFF	3880	24.5
5	ON	OFF	ON	3610	22.8
4	ON	OFF	OFF	3320	20.8
3	OFF	ON	ON	3040	18.9
2	OFF	ON	OFF	2740	16.9
1	OFF	OFF	ON	2450	15.1
0	OFF	OFF	OFF	2150	13.3