Photometric test report

Family
Lunis 21



Order number: 51DB31EF22B1D
EAN: 4069025442796

LP number
59844_10

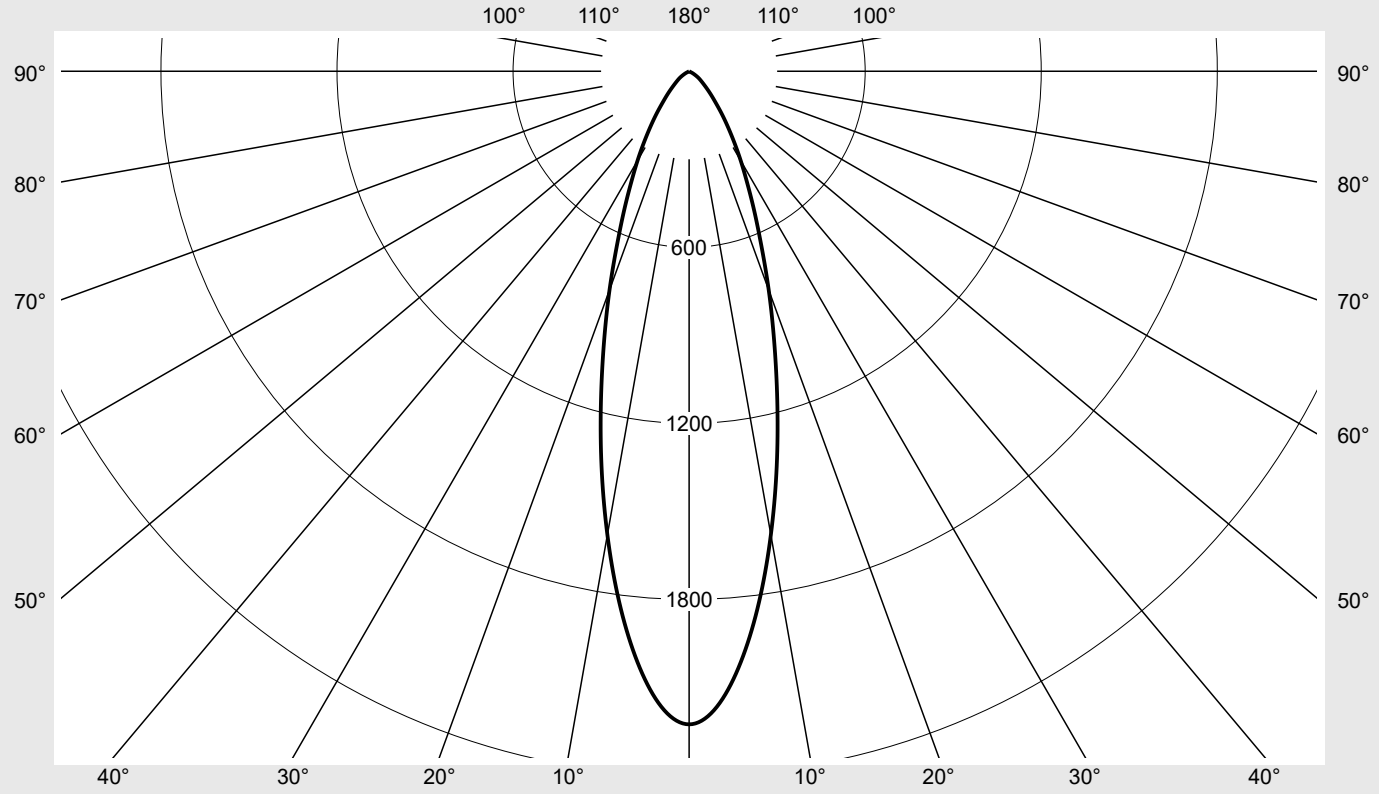
serial documentation
13.10.2025

Version	surface-mounted luminaire, Combined lens and reflector optics, reflector, black, rotationally symmetrical narrow distribution, UGR≤16 (L65≤3000cd/m²)
Lamps	LED 3000 K | CRI ≥ 90
Controlgear	ECG Multilumen
Setting	factory setting: DIP-Step=1
Rated values	Net luminous flux = 2450 lm Power consumption = 16.2 W Luminous efficacy = 151.2 lm/W

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Luminous intensity in cd/klm C180-0

Imax: 2226 cd/klm



Classifications

DIN 5040	A 7 0
CIE	N1=90 N2=99 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°	2225.7	3.3	3.3
2,5°	2167.9	25.9	29.3
5,0°	2021.0	48.3	77.5
7,5°	1824.8	65.3	142.8
10,0°	1604.1	76.4	219.2
12,5°	1379.2	81.8	301.0
15,0°	1160.6	82.3	383.4
17,5°	963.6	79.4	462.8
20,0°	793.1	74.4	537.2
22,5°	643.2	67.5	604.6
25,0°	525.2	60.9	665.5
27,5°	428.2	54.2	719.7
30,0°	351.5	48.2	767.9
32,5°	284.6	41.9	809.8
35,0°	228.6	35.9	845.8
37,5°	182.3	30.4	876.2
40,0°	142.7	25.2	901.3
42,5°	114.0	21.1	922.4
45,0°	90.5	17.5	940.0
47,5°	71.6	14.5	954.4
50,0°	57.7	12.1	966.6
52,5°	47.0	10.2	976.8
55,0°	37.5	8.4	985.2
57,5°	26.6	6.1	991.4
60,0°	17.0	4.0	995.4
62,5°	9.1	2.2	997.6
65,0°	5.2	1.3	998.9
67,5°	2.9	0.7	999.6
70,0°	1.2	0.3	999.9
72,5°	0.2	0.1	1000.0
75,0°	0.0	0.0	1000.0
77,5°	0.0	0.0	1000.0
80,0°	0.0	0.0	1000.0
82,5°	0.0	0.0	1000.0
85,0°	0.0	0.0	1000.0
87,5°	0.0	0.0	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	16.1	17.2	16.4	17.5	17.8	16.1	17.2	16.4	17.5	17.8
	3H	15.9	16.9	16.3	17.3	17.6	15.9	16.9	16.3	17.3	17.6
	4H	15.8	16.7	16.2	17.1	17.5	15.8	16.7	16.2	17.1	17.5
	6H	15.8	16.6	16.2	17.0	17.3	15.8	16.6	16.2	17.0	17.3
	8H	15.8	16.5	16.3	16.9	17.3	15.8	16.5	16.3	16.9	17.3
	12H	15.8	16.4	16.2	16.8	17.2	15.8	16.4	16.2	16.8	17.2
4H	2H	15.9	16.8	16.3	17.2	17.6	15.9	16.8	16.3	17.2	17.6
	3H	15.8	16.5	16.2	16.9	17.3	15.8	16.5	16.2	16.9	17.3
	4H	15.7	16.3	16.1	16.7	17.2	15.7	16.3	16.1	16.7	17.2
	6H	15.6	16.1	16.0	16.6	17.0	15.6	16.1	16.0	16.6	17.0
	8H	15.5	16.0	16.0	16.5	17.0	15.5	16.0	16.0	16.5	17.0
	12H	15.5	15.9	16.0	16.4	16.9	15.5	15.9	16.0	16.4	16.9
8H	4H	15.5	16.0	16.0	16.5	17.0	15.5	16.0	16.0	16.5	17.0
	6H	15.4	15.8	15.9	16.3	16.8	15.4	15.8	15.9	16.3	16.8
	8H	15.3	15.7	15.9	16.2	16.7	15.3	15.7	15.9	16.2	16.7
	12H	15.3	15.6	15.8	16.1	16.6	15.3	15.6	15.8	16.1	16.6
12H	4H	15.5	15.9	16.0	16.4	16.9	15.5	15.9	16.0	16.4	16.9
	6H	15.4	15.7	15.9	16.2	16.7	15.4	15.7	15.9	16.2	16.7
	8H	15.3	15.6	15.8	16.1	16.6	15.3	15.6	15.8	16.1	16.6

Luminance table

Max. for $\gamma >= 65°$

Photometric dimensions in mm: D = 182

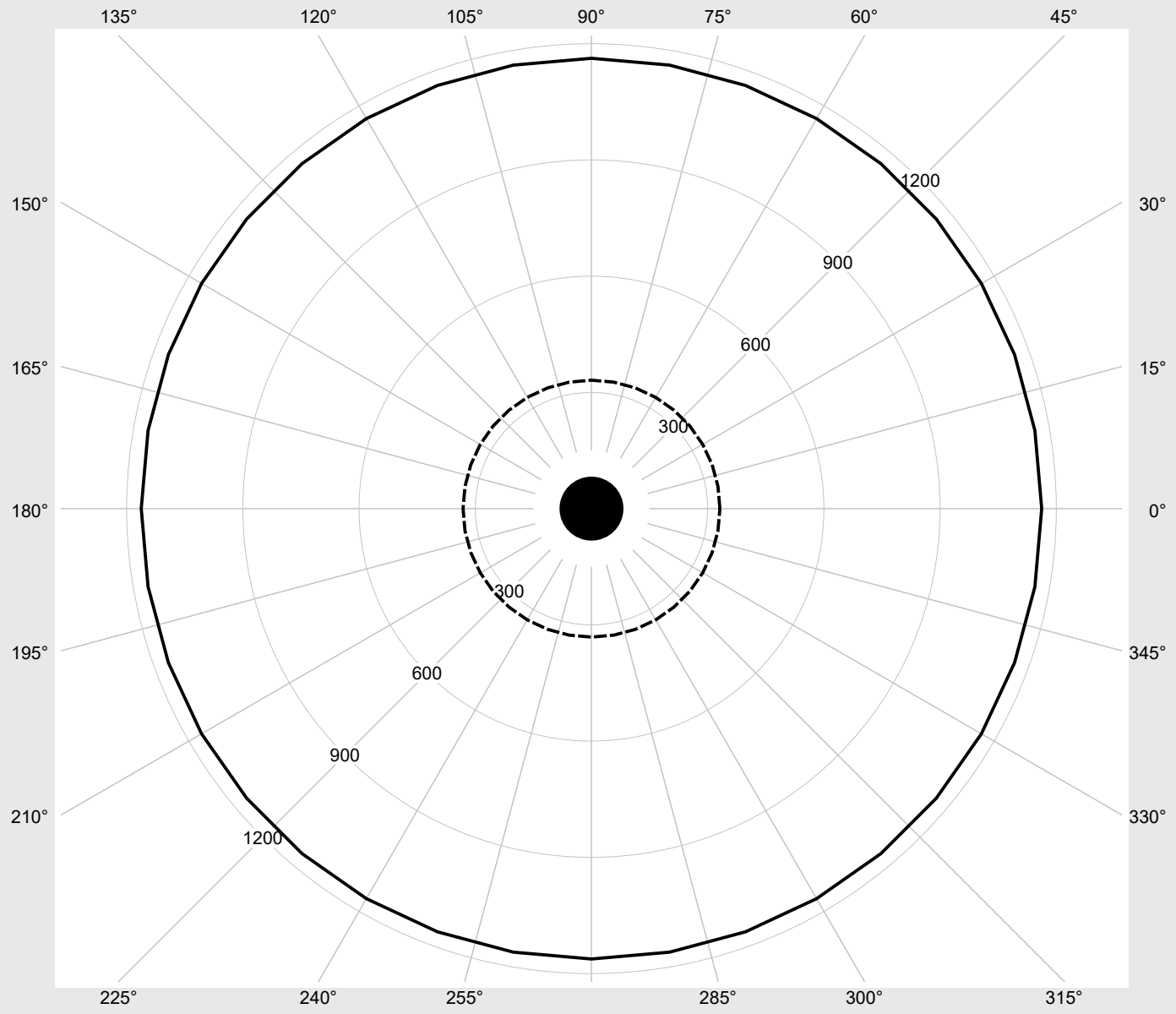
C-planes	0°
γ	Luminance in cd/m²
45,0°	12050.8
50,0°	8450.8
55,0°	6159.9
60,0°	3193.3
65,0°	1162.3
70,0°	331.5
75,0°	0.0
80,0°	0.0
85,0°	0.0

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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	27.9
6	ON	ON	OFF	3880	25.9
5	ON	OFF	ON	3610	23.8
4	ON	OFF	OFF	3320	22.0
3	OFF	ON	ON	3030	20.2
2	OFF	ON	OFF	2740	18.1
1	OFF	OFF	ON	2450	16.2
0	OFF	OFF	OFF	2150	14.3