Photometric test report

Family
Lunis 21

Order number: 51DB14MD25B1D
EAN: 4069025442697

LP number
59850_19

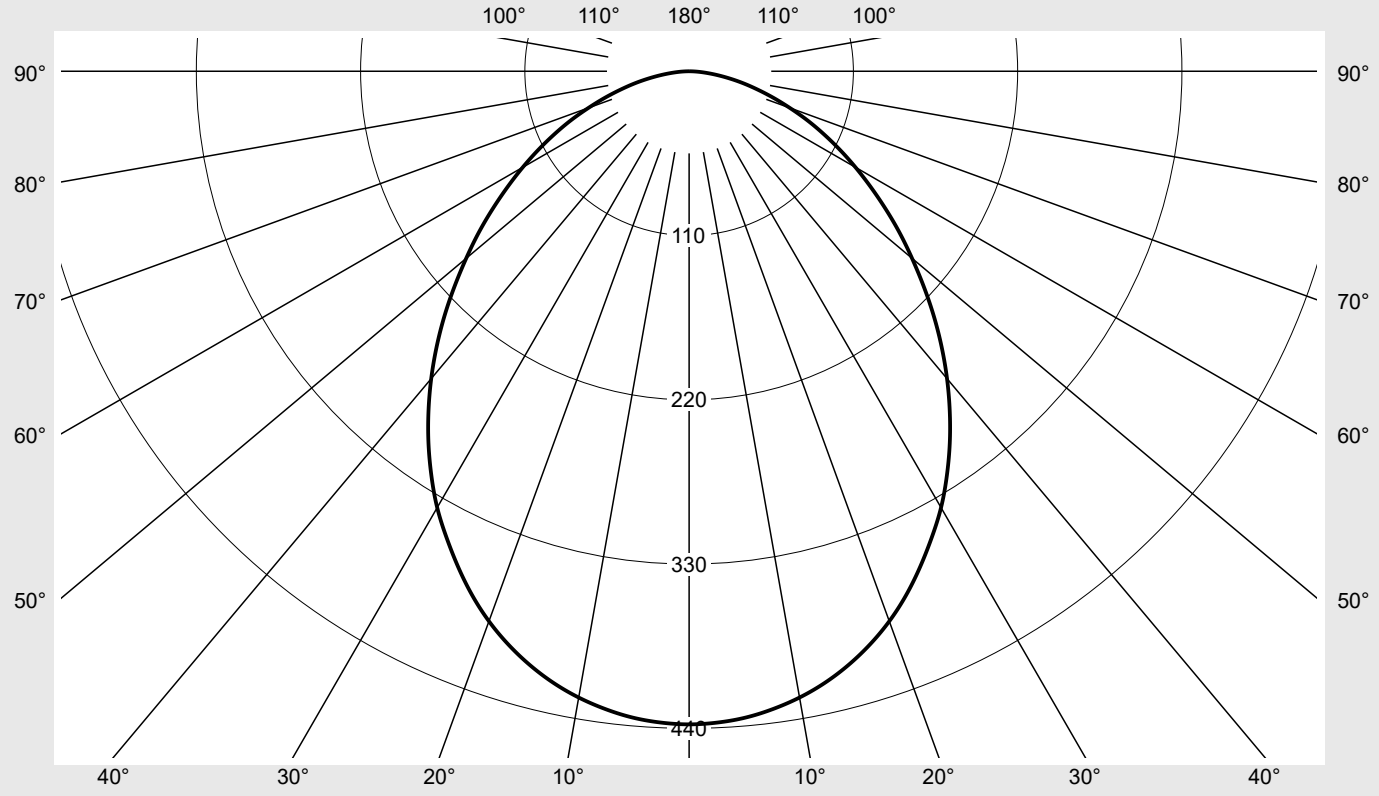
serial documentation
13.10.2025

Version	surface-mounted luminaire, cover opal, PMMA, diffuse beam
Lamps	LED 3000 K | CRI ≥ 90
Controlgear	ECG Multilumen
Setting	factory setting: DIP-Step=0
Rated values	Net luminous flux = 1880 lm Power consumption = 13.3 W Luminous efficacy = 141.4 lm/W

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Luminous intensity in cd/klm C180-0

Imax: 437 cd/klm



Classifications

DIN 5040	A 4 0
CIE	N1=54 N2=84 N3=97 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°	437.3	0.7	0.7
2,5°	436.5	5.2	5.9
5,0°	434.4	10.4	16.3
7,5°	430.7	15.4	31.7
10,0°	425.8	20.3	51.9
12,5°	419.5	24.9	76.8
15,0°	411.7	29.2	106.0
17,5°	402.5	33.2	139.2
20,0°	391.9	36.7	176.0
22,5°	379.7	39.8	215.8
25,0°	366.1	42.4	258.2
27,5°	351.9	44.5	302.8
30,0°	337.4	46.2	349.0
32,5°	321.2	47.3	396.3
35,0°	304.3	47.8	444.2
37,5°	286.7	47.8	492.0
40,0°	268.7	47.3	539.4
42,5°	250.3	46.4	585.7
45,0°	231.7	44.9	630.6
47,5°	213.0	43.0	673.7
50,0°	194.9	40.9	714.6
52,5°	177.7	38.6	753.2
55,0°	160.6	36.1	789.3
57,5°	144.1	33.3	822.6
60,0°	128.6	30.5	853.1
62,5°	113.7	27.7	880.8
65,0°	99.3	24.7	905.5
67,5°	85.5	21.7	927.1
70,0°	71.7	18.5	945.6
72,5°	59.2	15.5	961.1
75,0°	47.5	12.6	973.7
77,5°	37.1	9.9	983.6
80,0°	27.1	7.3	990.9
82,5°	18.2	4.9	995.9
85,0°	10.6	2.9	998.8
87,5°	4.4	1.2	1000.0
90,0°	0.1	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	24.7	26.3	25.0	26.6	26.9	24.7	26.3	25.0	26.6	26.9
	3H	25.9	27.4	26.3	27.7	28.1	25.9	27.4	26.3	27.7	28.1
	4H	26.4	27.8	26.8	28.1	28.5	26.4	27.8	26.8	28.1	28.5
	6H	26.7	28.0	27.1	28.4	28.7	26.7	28.0	27.1	28.4	28.7
	8H	26.9	28.0	27.3	28.4	28.8	26.9	28.0	27.3	28.4	28.8
	12H	26.9	28.0	27.4	28.4	28.8	26.9	28.0	27.4	28.4	28.8
4H	2H	25.3	26.7	25.7	27.0	27.4	25.3	26.7	25.7	27.0	27.4
	3H	26.7	27.9	27.2	28.3	28.7	26.7	27.9	27.2	28.3	28.7
	4H	27.3	28.3	27.7	28.7	29.2	27.3	28.3	27.7	28.7	29.2
	6H	27.7	28.6	28.2	29.1	29.5	27.7	28.6	28.2	29.1	29.5
	8H	27.9	28.7	28.3	29.1	29.6	27.9	28.7	28.3	29.1	29.6
	12H	28.0	28.7	28.5	29.2	29.6	28.0	28.7	28.5	29.2	29.6
8H	4H	27.6	28.4	28.0	28.8	29.3	27.6	28.4	28.0	28.8	29.3
	6H	28.1	28.8	28.6	29.2	29.7	28.1	28.8	28.6	29.2	29.7
	8H	28.3	28.9	28.8	29.3	29.9	28.3	28.9	28.8	29.3	29.9
	12H	28.4	28.9	28.9	29.4	30.0	28.4	28.9	28.9	29.4	30.0
12H	4H	27.6	28.3	28.1	28.8	29.3	27.6	28.3	28.1	28.8	29.3
	6H	28.1	28.7	28.6	29.2	29.7	28.1	28.7	28.6	29.2	29.7
	8H	28.4	28.9	28.9	29.4	29.9	28.4	28.9	28.9	29.4	29.9

Luminance table

Max. for $\gamma >= 65°$

Photometric dimensions in mm: D = 134

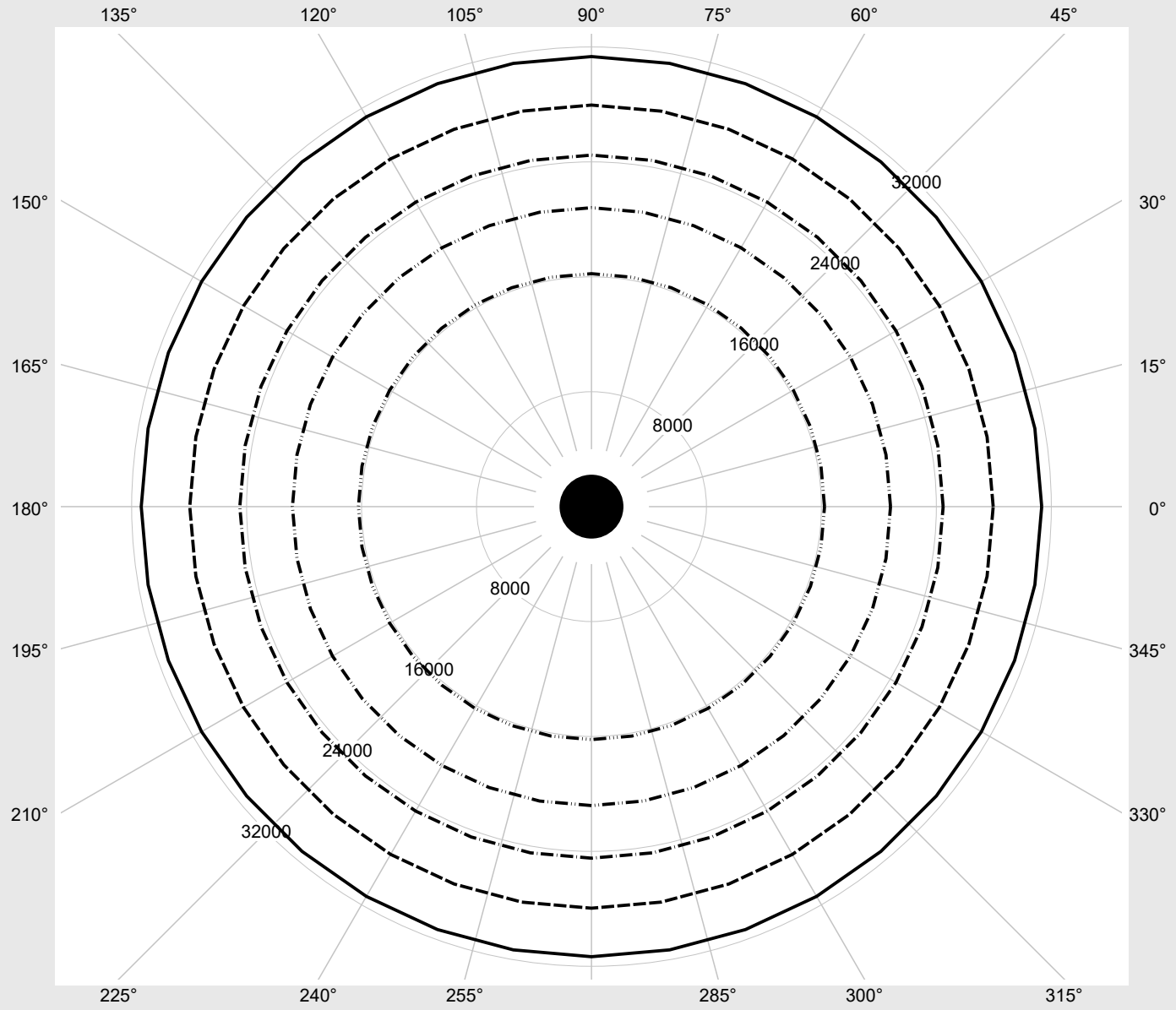
C-planes	0°
γ	Luminance in cd/m²
45,0°	43677.2
50,0°	40412.9
55,0°	37314.9
60,0°	34298.2
65,0°	31332.8
70,0°	27955.8
75,0°	24473.3
80,0°	20811.4
85,0°	16217.8

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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	3630	26.4
6	ON	ON	OFF	3390	24.5
5	ON	OFF	ON	3150	22.8
4	ON	OFF	OFF	2900	20.8
3	OFF	ON	ON	2650	18.9
2	OFF	ON	OFF	2390	16.9
1	OFF	OFF	ON	2140	15.1
0	OFF	OFF	OFF	1880	13.3