Photometric test report

Family
Lunis 21



Order number: 51DB13ED24B1D
EAN: 4069025526205

LP number
59849_40

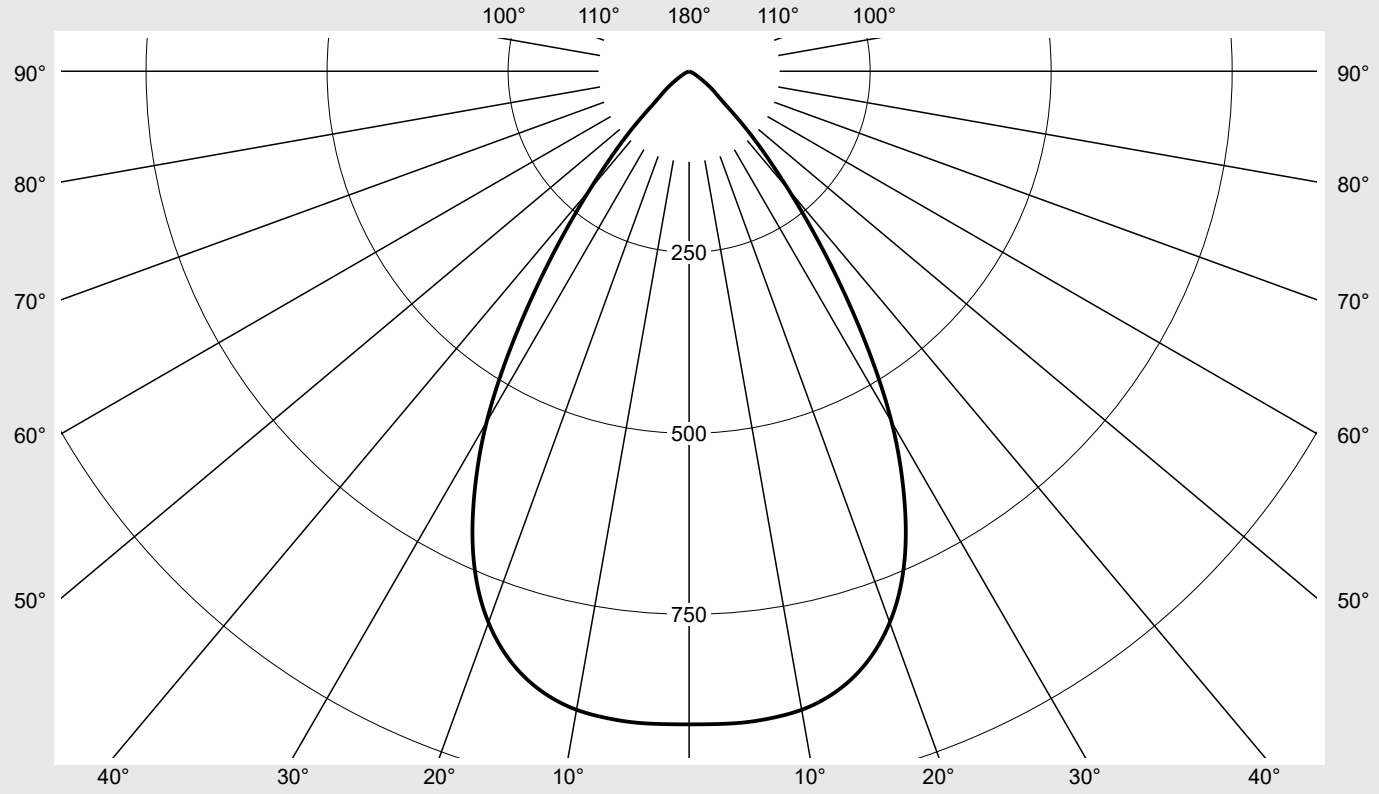
serial documentation
13.10.2025

Version	surface-mounted luminaire, Combined lens and reflector optics, reflector, aluminium, matt, rotationally symmetrical wide distribution, UGR≤19 (L65≤3000cd/m²)
Lamps	LED 3000 K | CRI ≥ 90
Controlgear	ECG Multilumen
Setting	factory setting: DIP-Step=0
Rated values	Net luminous flux = 1990 lm Power consumption = 14.3 W Luminous efficacy = 139.2 lm/W

siteco

Luminous intensity in cd/klm C180-0

Imax: 902 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

Photometric test report

Family	Order number: 51DB13ED24B1D	LP number
Lunis 21	EAN: 4069025526205	59849_40

siteco

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°	902.0	1.3	1.3
2,5°	902.4	10.8	12.1
5,0°	902.5	21.6	33.7
7,5°	900.2	32.2	65.9
10,0°	895.5	42.6	108.5
12,5°	885.3	52.5	161.1
15,0°	868.5	61.6	222.7
17,5°	843.9	69.6	292.3
20,0°	810.2	76.0	368.2
22,5°	765.6	80.3	448.5
25,0°	708.0	82.0	530.6
27,5°	638.2	80.8	611.3
30,0°	559.4	76.7	688.0
32,5°	467.2	68.8	756.8
35,0°	373.1	58.7	815.5
37,5°	287.2	47.9	863.4
40,0°	213.6	37.6	901.1
42,5°	155.2	28.7	929.8
45,0°	107.8	20.9	950.7
47,5°	67.9	13.7	964.4
50,0°	49.5	10.4	974.8
52,5°	37.9	8.3	983.1
55,0°	26.4	5.9	989.0
57,5°	17.9	4.1	993.1
60,0°	12.2	2.9	996.0
62,5°	8.6	2.1	998.1
65,0°	5.6	1.4	999.5
67,5°	1.8	0.5	1000.0
70,0°	0.1	0.0	1000.0
72,5°	0.0	0.0	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

Photometric test report

Family	Order number: 51DB13ED24B1D	LP number
Lunis 21	EAN: 4069025526205	59849_40

siteco

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	19.2	20.5	19.6	20.8	21.1	19.2	20.5	19.6	20.8	21.1
	3H	19.1	20.2	19.5	20.5	20.9	19.1	20.2	19.5	20.5	20.9
	4H	19.0	20.0	19.4	20.4	20.7	19.0	20.0	19.4	20.4	20.7
	6H	19.0	19.8	19.4	20.2	20.6	19.0	19.8	19.4	20.2	20.6
	8H	19.0	19.8	19.5	20.1	20.5	19.0	19.8	19.5	20.1	20.5
	12H	19.0	19.7	19.4	20.1	20.5	19.0	19.7	19.4	20.1	20.5
4H	2H	19.1	20.0	19.5	20.4	20.8	19.1	20.0	19.5	20.4	20.8
	3H	18.9	19.7	19.3	20.1	20.5	18.9	19.7	19.3	20.1	20.5
	4H	18.8	19.5	19.2	19.9	20.4	18.8	19.5	19.2	19.9	20.4
	6H	18.7	19.3	19.2	19.7	20.2	18.7	19.3	19.2	19.7	20.2
	8H	18.7	19.2	19.1	19.7	20.1	18.7	19.2	19.1	19.7	20.1
	12H	18.7	19.1	19.2	19.6	20.1	18.7	19.1	19.2	19.6	20.1
8H	4H	18.7	19.2	19.1	19.7	20.1	18.7	19.2	19.1	19.7	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	18.9	19.0	19.4	19.9	18.5	18.9	19.0	19.4	19.9
	12H	18.5	18.8	19.0	19.3	19.8	18.5	18.8	19.0	19.3	19.8
12H	4H	18.7	19.1	19.2	19.6	20.1	18.7	19.1	19.2	19.6	20.1
	6H	18.5	18.9	19.1	19.4	19.9	18.5	18.9	19.1	19.4	19.9
	8H	18.5	18.8	19.0	19.3	19.8	18.5	18.8	19.0	19.3	19.8

Luminance table

Max. for $\gamma >= 65°$

Photometric dimensions in mm: D = 134

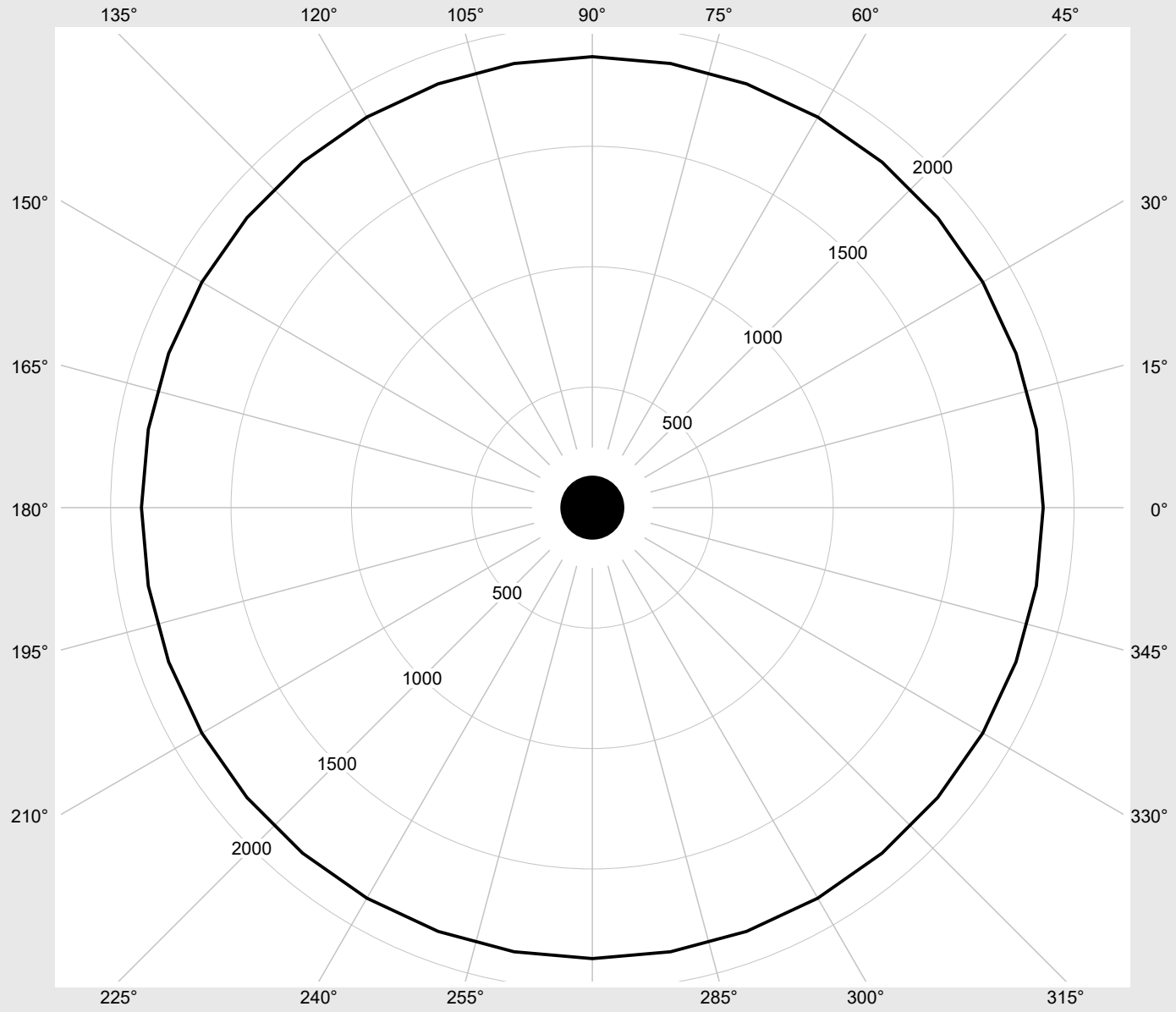
C-planes	0°
γ	Luminance in cd/m²
45,0°	21517.9
50,0°	10857.3
55,0°	6502.7
60,0°	3447.3
65,0°	1872.1
70,0°	41.3
75,0°	0.0
80,0°	0.0
85,0°	0.0

Photometric test report

Family	Order number: 51DB13ED24B1D	LP number
Lunis 21	**EAN: 4069025526205**	**59849_40**

Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°

siteco



Photometric test report

Family	Order number: 51DB13ED24B1D	LP number
Lunis 21	**EAN: 4069025526205**	**59849_40**

siteco

Multilumen Table

environmental temperature: 25°C

DIP-Step	Switch Setting 1	2	3	Luminous flux [lm]	Power consumption [W]
7	ON	ON	ON	3850	27.9
6	ON	ON	OFF	3600	25.9
5	ON	OFF	ON	3340	23.8
4	ON	OFF	OFF	3070	22.0
3	OFF	ON	ON	2810	20.2
2	OFF	ON	OFF	2540	18.1
1	OFF	OFF	ON	2270	16.2
0	OFF	OFF	OFF	1990	14.3