Photometric test report

Family
Lunis 21



Order number: 51DB33MF22B1D
EAN: 4069025442871

LP number
59843_18

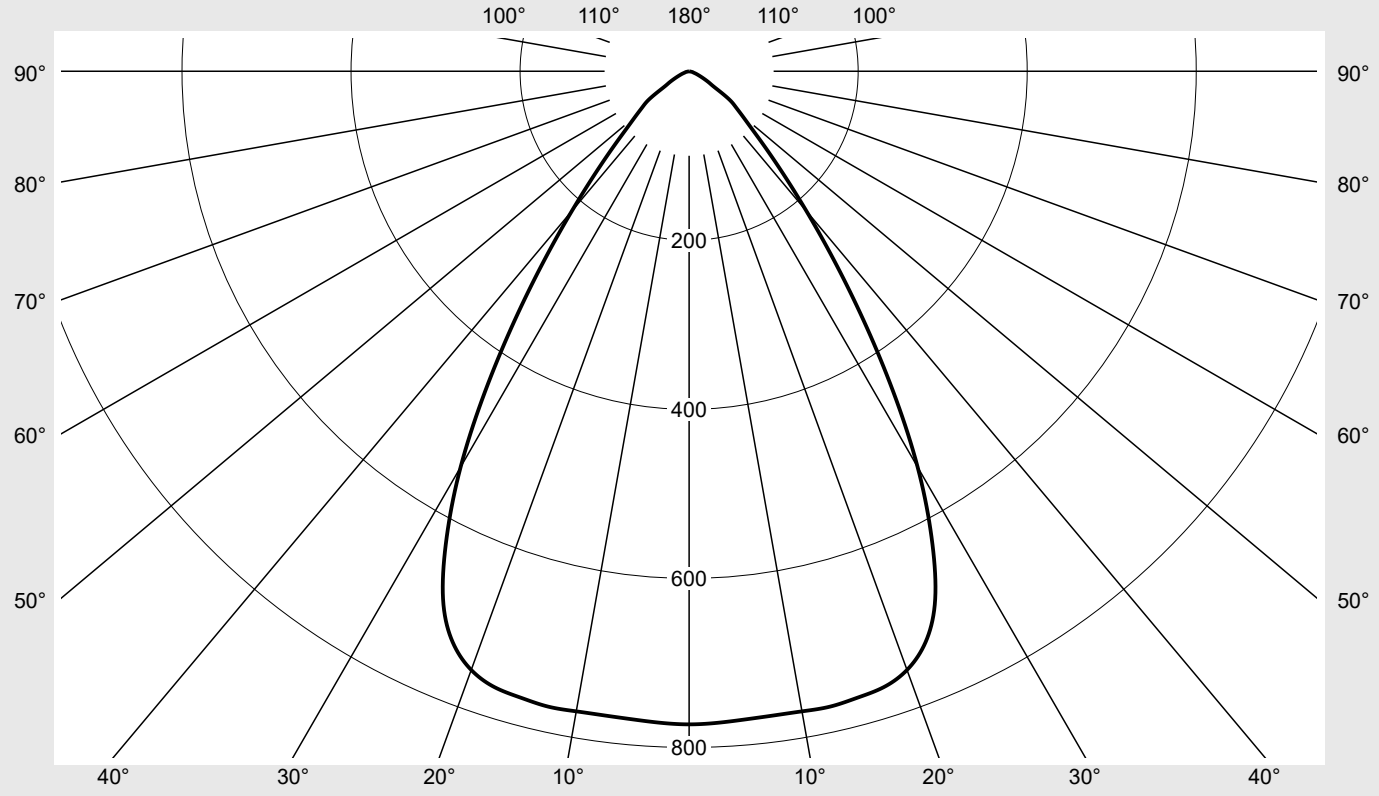
serial documentation
13.10.2025

Version	surface-mounted luminaire, Combined lens and reflector optics, reflector, black, 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 = 2260 lm Power consumption = 15.1 W Luminous efficacy = 149.7 lm/W

siteco

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

Photometric test report

Family	Order number: 51DB33MF22B1D	LP number
Lunis 21	EAN: 4069025442871	59843_18

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°	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	Order number: 51DB33MF22B1D	LP number
Lunis 21	EAN: 4069025442871	59843_18

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	18.5	19.8	18.8	20.1	20.4	18.5	19.8	18.8	20.1	20.4
	3H	18.5	19.6	18.9	19.9	20.3	18.5	19.6	18.9	19.9	20.3
	4H	18.4	19.5	18.8	19.8	20.2	18.4	19.5	18.8	19.8	20.2
	6H	18.4	19.3	18.8	19.7	20.1	18.4	19.3	18.8	19.7	20.1
	8H	18.5	19.3	18.9	19.7	20.1	18.5	19.3	18.9	19.7	20.1
	12H	18.5	19.2	18.9	19.6	20.0	18.5	19.2	18.9	19.6	20.0
4H	2H	18.4	19.5	18.8	19.8	20.2	18.4	19.5	18.8	19.8	20.2
	3H	18.4	19.3	18.9	19.7	20.1	18.4	19.3	18.9	19.7	20.1
	4H	18.4	19.2	18.8	19.6	20.0	18.4	19.2	18.8	19.6	20.0
	6H	18.4	19.0	18.8	19.5	19.9	18.4	19.0	18.8	19.5	19.9
	8H	18.4	18.9	18.8	19.4	19.9	18.4	18.9	18.8	19.4	19.9
	12H	18.4	18.9	18.9	19.3	19.8	18.4	18.9	18.9	19.3	19.8
8H	4H	18.3	18.9	18.8	19.3	19.8	18.3	18.9	18.8	19.3	19.8
	6H	18.3	18.8	18.8	19.2	19.7	18.3	18.8	18.8	19.2	19.7
	8H	18.3	18.7	18.8	19.2	19.7	18.3	18.7	18.8	19.2	19.7
	12H	18.3	18.6	18.8	19.1	19.7	18.3	18.6	18.8	19.1	19.7
12H	4H	18.3	18.8	18.8	19.3	19.8	18.3	18.8	18.8	19.3	19.8
	6H	18.3	18.7	18.8	19.2	19.7	18.3	18.7	18.8	19.2	19.7
	8H	18.3	18.6	18.8	19.1	19.6	18.3	18.6	18.8	19.1	19.6

Luminance table

Max. for $\gamma >= 65°$

Photometric dimensions in mm: D = 182

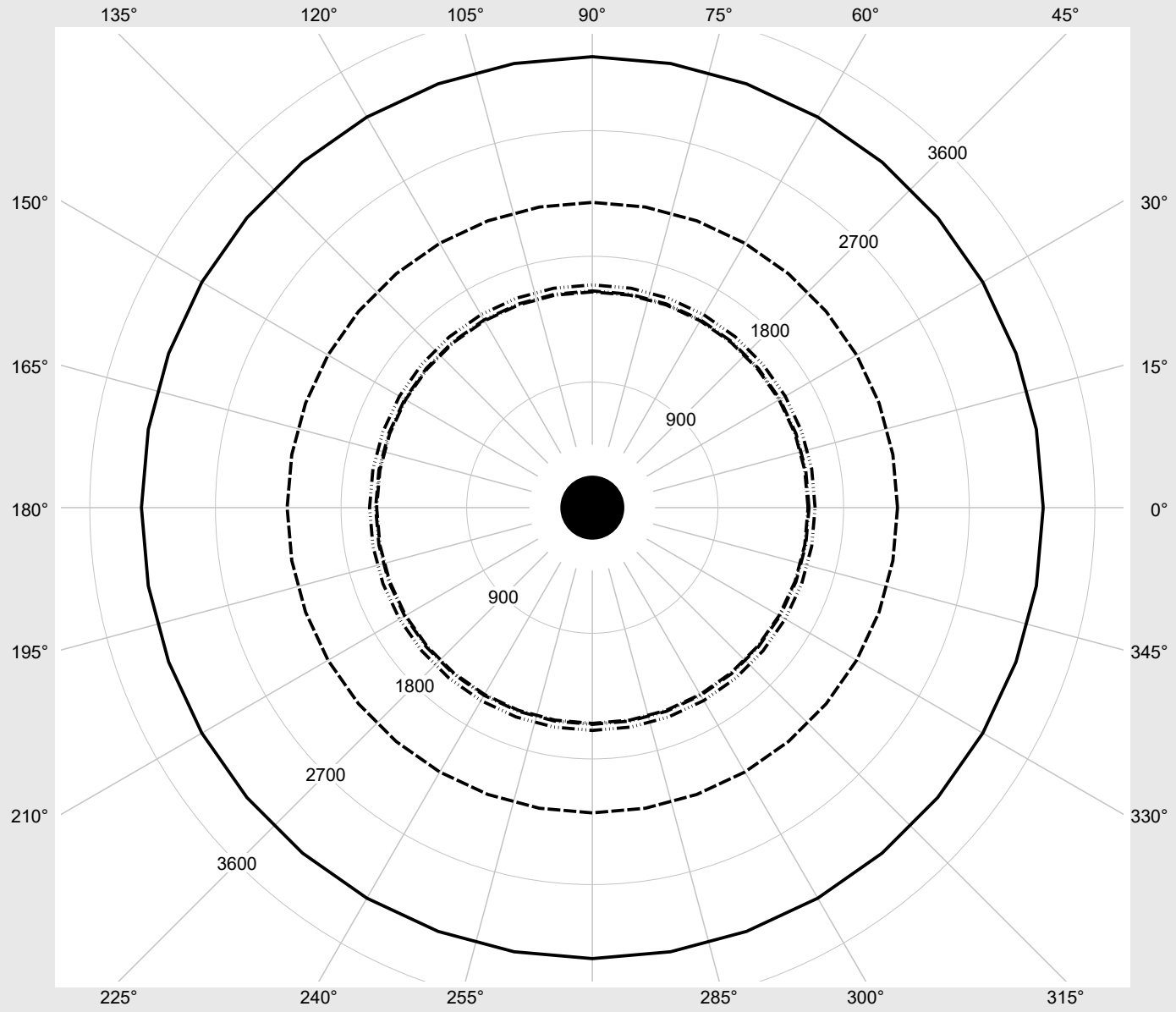
C-planes	0°
γ	Luminance in cd/m²
45,0°	15678.2
50,0°	11159.8
55,0°	8686.4
60,0°	4851.8
65,0°	3230.1
70,0°	2186.4
75,0°	1545.3
80,0°	1552.3
85,0°	1595.8

Photometric test report

Family	Order number: 51DB33MF22B1D	LP number
Lunis 21	**EAN: 4069025442871**	**59843_18**

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

siteco



Photometric test report

Family	Order number: 51DB33MF22B1D	LP number
Lunis 21	**EAN: 4069025442871**	**59843_18**

siteco

Multilumen Table

environmental temperature: 25°C

DIP-Step	Switch Setting 1	2	3	Luminous flux [lm]	Power consumption [W]
7	ON	ON	ON	3830	26.4
6	ON	ON	OFF	3580	24.5
5	ON	OFF	ON	3320	22.8
4	ON	OFF	OFF	3060	20.8
3	OFF	ON	ON	2790	18.9
2	OFF	ON	OFF	2530	16.9
1	OFF	OFF	ON	2260	15.1
0	OFF	OFF	OFF	1980	13.3