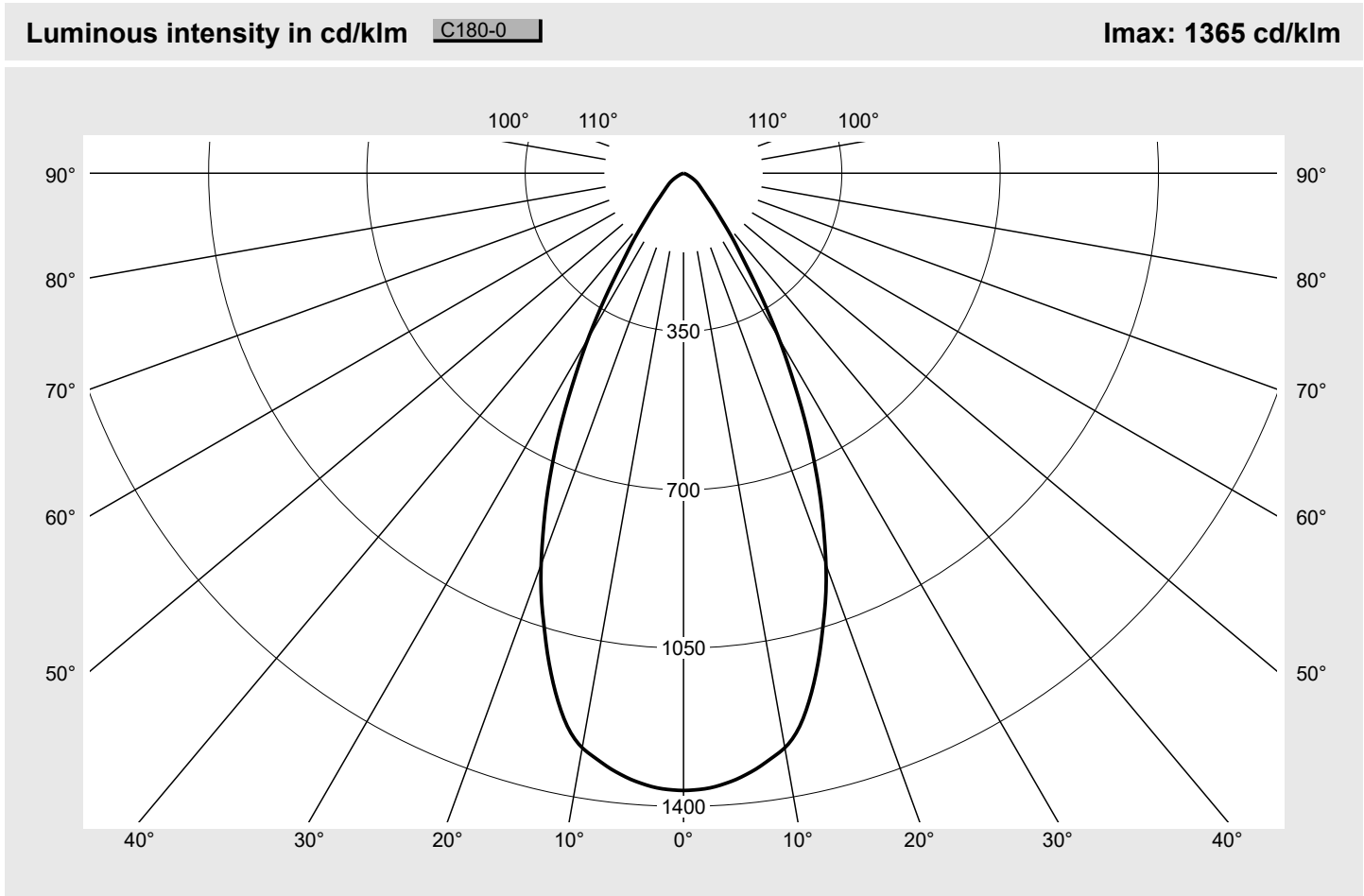


Photometric test report

Family Lunis 21 	Order number: 51DB19EA91C EAN: 4069025012968	LP number 59685_5
	Version	recessed luminaire, Combined lens and reflector optics, reflector, aluminium, matt, rotationally symmetrical medium distribution, adjustable color temperature: 3000K 4000K 6500K
	Lamps Controlgear Setting Rated values	LED 4000 K CRI ≥ 80 ECG Multilumen factory setting: DIP-Step=1, colour temperature 4000K Net luminous flux = 910 lm Power consumption = 6.0 W Luminous efficacy = 151.7 lm/W

serial documentation27.09.2024

siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 7 0	η_{LB}	100.0%
CIE	N1=90 N2=98 N3=100	ϕ_u	100.0%
	N4=100 N5=100	ϕ_o	0.0%

Measurement conditions	
DIN EN 13032 and DIN 5032	

Photometric test report

Family Lunis 21	Order number: 51DB19EA91C EAN: 4069025012968	LP number 59685_5
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
0°	1364.9	0.3	0.3
1°	1363.9	2.6	2.9
2°	1361.9	5.2	8.1
3°	1358.0	7.8	15.9
4°	1352.1	10.3	26.3
5°	1345.2	12.9	39.1
6°	1336.3	15.3	54.5
7°	1326.5	17.7	72.2
8°	1314.6	20.1	92.3
9°	1302.8	22.3	114.6
10°	1290.0	24.6	139.2
11°	1271.3	26.6	165.8
12°	1245.7	28.4	194.2
13°	1213.2	29.9	224.1
14°	1176.8	31.2	255.3
15°	1137.4	32.3	287.6
16°	1096.0	33.1	320.7
17°	1052.7	33.8	354.5
18°	1011.3	34.3	388.7
19°	968.1	34.6	423.3
20°	920.6	34.5	457.8
21°	870.2	34.2	492.0
22°	820.9	33.7	525.8
23°	771.4	33.1	558.8
24°	719.5	32.1	590.9
25°	668.4	31.0	621.9
26°	616.8	29.7	651.5
27°	564.5	28.1	679.6
28°	513.3	26.4	706.1
29°	466.6	24.8	730.9
30°	421.5	23.1	754.0
31°	375.7	21.2	775.2
32°	332.5	19.3	794.5
33°	291.9	17.4	811.9
34°	254.5	15.6	827.5
35°	224.4	14.1	841.7
36°	201.0	13.0	854.6
37°	178.8	11.8	866.4
38°	157.4	10.6	877.0
39°	138.2	9.5	886.6
40°	122.5	8.6	895.2
41°	110.7	8.0	903.2
42°	99.6	7.3	910.5
43°	89.5	6.7	917.2
44°	80.1	6.1	923.3
45°	72.6	5.6	928.9
46°	67.0	5.3	934.2

C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
47°	61.9	5.0	939.2
48°	57.4	4.7	943.8
49°	53.5	4.4	948.3
50°	50.3	4.2	952.5
51°	47.2	4.0	956.5
52°	44.4	3.8	960.3
53°	41.9	3.7	964.0
54°	39.6	3.5	967.5
55°	37.3	3.4	970.9
56°	34.8	3.2	974.0
57°	31.9	2.9	977.0
58°	29.1	2.7	979.7
59°	26.2	2.5	982.2
60°	23.4	2.2	984.4
61°	20.6	2.0	986.3
62°	17.9	1.7	988.1
63°	15.3	1.5	989.6
64°	13.1	1.3	990.9
65°	11.3	1.1	992.0
66°	9.8	1.0	993.0
67°	8.4	0.8	993.8
68°	7.4	0.7	994.6
69°	6.5	0.7	995.2
70°	5.7	0.6	995.8
71°	5.1	0.5	996.3
72°	4.6	0.5	996.8
73°	4.1	0.4	997.2
74°	3.6	0.4	997.6
75°	3.2	0.3	998.0
76°	2.9	0.3	998.3
77°	2.6	0.3	998.6
78°	2.3	0.2	998.8
79°	2.0	0.2	999.0
80°	1.7	0.2	999.2
81°	1.5	0.2	999.4
82°	1.3	0.1	999.5
83°	1.1	0.1	999.6
84°	0.8	0.1	999.7
85°	0.6	0.1	999.8
86°	0.6	0.1	999.8
87°	0.5	0.1	999.9
88°	0.5	0.1	1000.0
89°	0.4	0.0	1000.0
90°	0.0	0.0	1000.0
180°	0.0	0.0	1000.0

Photometric test report

Family Lunis 21			Order number: 51DB19EA91C EAN: 4069025012968							LP number 59685_5	
UGR-Table			Standard room							siteco	
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	20.5	21.7	20.9	22.0	22.3	20.5	21.7	20.9	22.0	22.3
	3H	20.5	21.5	20.9	21.9	22.2	20.5	21.5	20.9	21.9	22.2
	4H	20.5	21.4	20.9	21.8	22.1	20.5	21.4	20.9	21.8	22.1
	6H	20.4	21.3	20.8	21.6	22.0	20.4	21.3	20.8	21.6	22.0
	8H	20.5	21.2	20.9	21.6	22.0	20.5	21.2	20.9	21.6	22.0
	12H	20.5	21.1	20.9	21.5	21.9	20.5	21.1	20.9	21.5	21.9
4H	2H	20.5	21.4	20.9	21.8	22.1	20.5	21.4	20.9	21.8	22.1
	3H	20.5	21.3	20.9	21.6	22.1	20.5	21.3	20.9	21.6	22.1
	4H	20.4	21.1	20.9	21.5	22.0	20.4	21.1	20.9	21.5	22.0
	6H	20.4	21.0	20.9	21.4	21.9	20.4	21.0	20.9	21.4	21.9
	8H	20.4	20.9	20.9	21.3	21.8	20.4	20.9	20.9	21.3	21.8
	12H	20.4	20.8	20.9	21.3	21.8	20.4	20.8	20.9	21.3	21.8
8H	4H	20.4	20.9	20.8	21.3	21.8	20.4	20.9	20.8	21.3	21.8
	6H	20.3	20.7	20.8	21.2	21.7	20.3	20.7	20.8	21.2	21.7
	8H	20.3	20.6	20.8	21.1	21.6	20.3	20.6	20.8	21.1	21.6
	12H	20.3	20.5	20.8	21.0	21.6	20.3	20.5	20.8	21.0	21.6
12H	4H	20.4	20.8	20.9	21.2	21.7	20.4	20.8	20.9	21.2	21.7
	6H	20.3	20.6	20.8	21.1	21.6	20.3	20.6	20.8	21.1	21.6
	8H	20.3	20.5	20.8	21.0	21.6	20.3	20.5	20.8	21.0	21.6

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 57
C-planes		0°		
γ	Luminance in cd/m²			
45°	36602.4			
50°	27918.0			
55°	23198.5			
60°	16681.1			
65°	9539.5			
70°	5980.8			
75°	4465.6			
80°	3552.9			
85°	2545.0			

Photometric test report

Family
Lunis 21

Order number: 51DB19EA91C
EAN: 4069025012968

LP number
59685_5

Luminance values in cd/m²

γ 65°

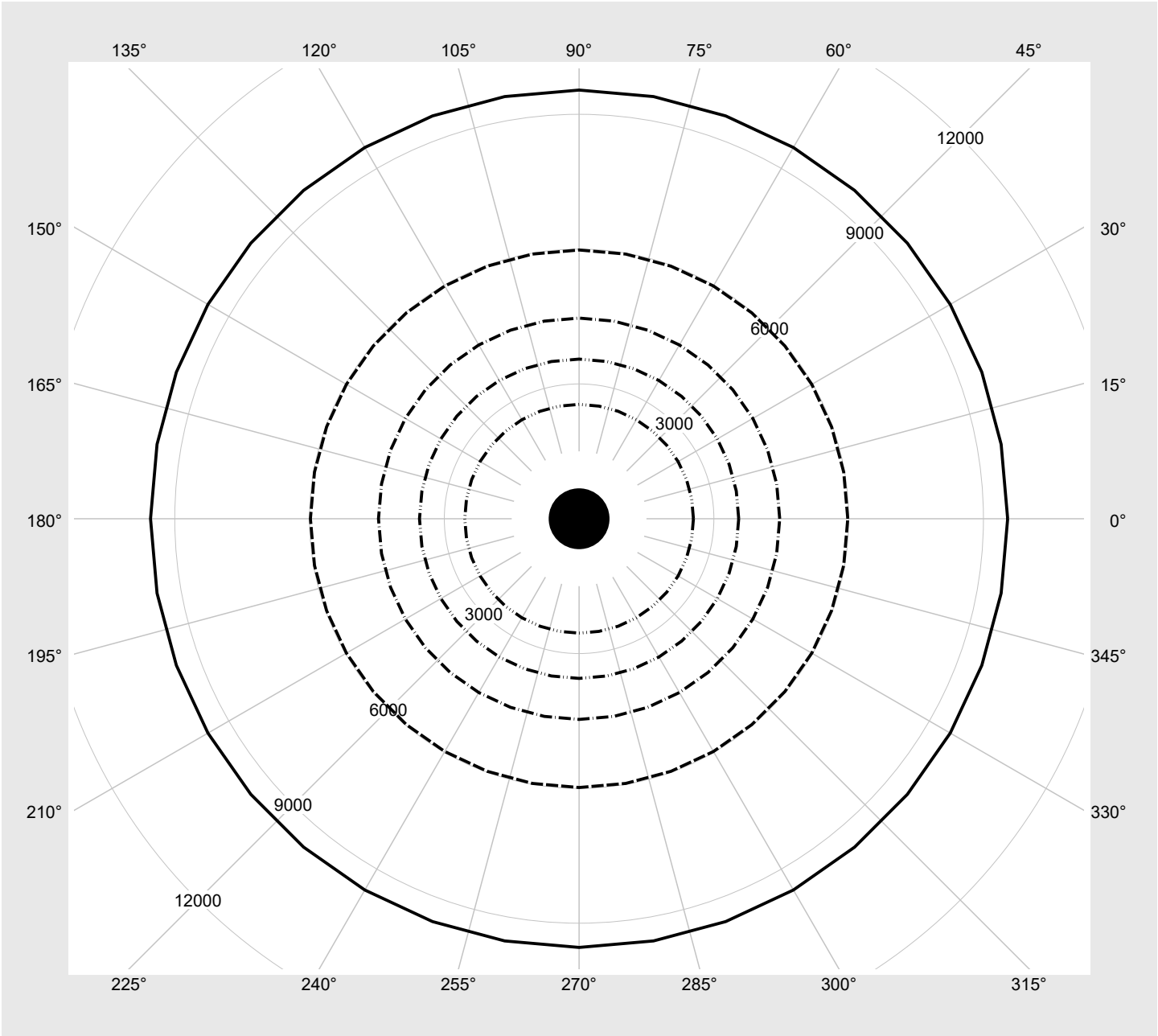
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Lunis 21	Order number: 51DB19EA91C EAN: 4069025012968	LP number 59685_5
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
2	OFF	OFF	ON	OFF	1200	8.0
1	OFF	OFF	OFF	ON	910	6.0
0	OFF	OFF	OFF	OFF	660	4.4