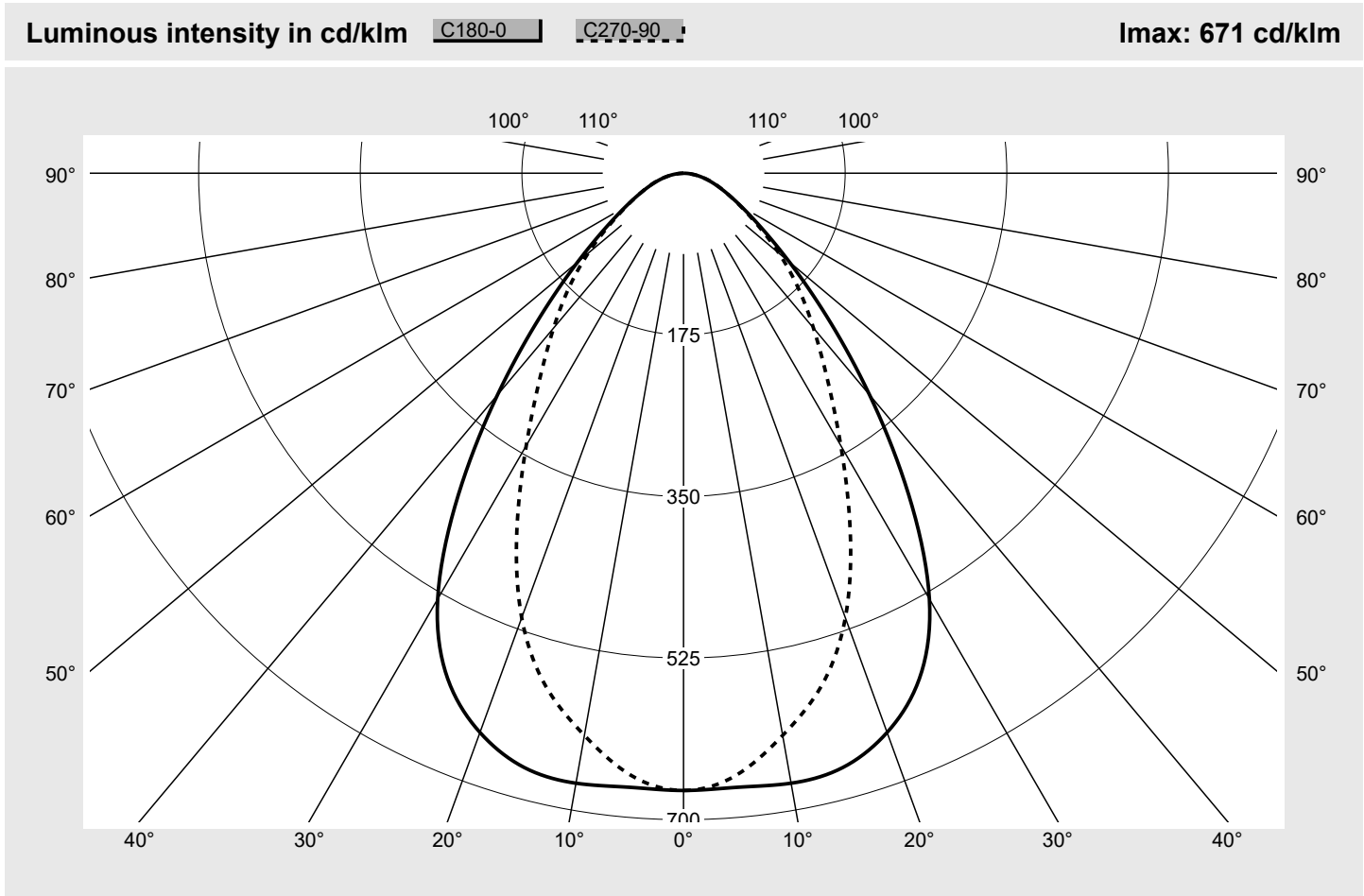


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12DN68XG EAN: 4069025289063	LP number 59101_382
	Version	cover frosted, wide distribution, high visual comfort
	Lamps	LED 6500 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 8000 lm Power consumption = 45.6 W Luminous efficacy = 175.4 lm/W
		serial documentation 22.11.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 6 0	η_{LB}	100.0%
CIE	N1=72 N2=92 N3=99	ϕ_u	100.0%
	N4=100 N5=100	ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12DN68XG EAN: 4069025289063	LP number 59101_382
Table of values for luminous intensities		Maximum luminous intensity
		sitEco

C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	4.0	4.0
5°	667.5	664.4	657.4	655.8	655.7	654.2	654.4	31.4	35.4
10°	670.7	665.0	649.1	636.1	625.3	618.7	618.1	60.9	96.3
15°	666.2	657.2	632.9	612.0	594.0	578.5	575.5	87.4	183.7
20°	644.4	632.9	606.9	585.4	554.6	522.7	512.3	108.8	292.5
25°	604.1	590.6	566.7	541.2	494.5	444.9	427.0	121.8	414.2
30°	532.4	517.7	496.3	466.1	413.9	359.9	340.6	122.9	537.1
35°	425.0	409.7	387.0	361.9	325.4	286.0	271.1	111.0	648.1
40°	313.4	295.8	270.7	255.1	246.8	229.4	218.8	91.8	739.9
45°	219.2	200.3	175.7	171.1	181.8	184.7	175.5	71.8	811.7
50°	149.7	132.6	112.6	116.3	133.0	145.6	134.9	54.8	866.5
55°	102.7	89.1	74.7	81.5	98.1	107.9	98.1	41.3	907.7
60°	72.4	62.1	51.3	58.3	71.8	76.5	71.0	31.0	938.7
65°	52.1	44.3	35.9	41.6	51.4	54.2	52.1	23.1	961.9
70°	37.6	31.7	24.7	29.1	35.6	38.4	38.3	16.9	978.8
75°	26.0	21.3	16.2	19.0	22.9	25.9	26.8	11.6	990.4
80°	16.1	12.5	9.2	10.4	12.6	14.8	15.7	6.8	997.3
85°	7.0	5.4	3.8	4.1	4.8	5.7	5.8	2.7	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12DN68XG EAN: 4069025289063	LP number 59101_382
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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	21.0	22.4	21.3	22.7	23.0	20.9	22.3	21.3	22.7	23.0	
	3H	21.6	22.8	21.9	23.2	23.5	21.7	23.0	22.1	23.3	23.7	
	4H	21.8	23.0	22.2	23.4	23.7	22.0	23.2	22.4	23.6	23.9	
	6H	22.1	23.2	22.5	23.5	23.9	22.3	23.4	22.7	23.7	24.1	
	8H	22.3	23.2	22.7	23.6	24.0	22.4	23.4	22.9	23.8	24.2	
	12H	22.3	23.2	22.8	23.6	24.0	22.5	23.4	22.9	23.8	24.2	
4H	2H	21.1	22.3	21.5	22.7	23.0	21.1	22.3	21.5	22.6	23.0	
	3H	21.8	22.8	22.2	23.2	23.6	22.1	23.0	22.5	23.4	23.8	
	4H	22.1	23.0	22.6	23.4	23.9	22.5	23.4	22.9	23.8	24.2	
	6H	22.5	23.2	22.9	23.7	24.1	22.9	23.6	23.3	24.1	24.5	
	8H	22.6	23.3	23.1	23.7	24.2	23.0	23.7	23.5	24.1	24.6	
	12H	22.7	23.3	23.2	23.8	24.3	23.1	23.7	23.6	24.1	24.6	
8H	4H	22.2	22.9	22.7	23.3	23.8	22.6	23.2	23.0	23.7	24.2	
	6H	22.6	23.1	23.1	23.6	24.1	23.0	23.6	23.5	24.0	24.5	
	8H	22.7	23.2	23.2	23.7	24.2	23.2	23.6	23.7	24.1	24.7	
	12H	22.9	23.3	23.4	23.8	24.3	23.3	23.7	23.8	24.2	24.7	
12H	4H	22.2	22.8	22.7	23.3	23.8	22.6	23.2	23.1	23.6	24.1	
	6H	22.6	23.1	23.1	23.6	24.1	23.0	23.5	23.5	24.0	24.5	
	8H	22.8	23.2	23.3	23.7	24.2	23.2	23.6	23.7	24.1	24.6	

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1500 B = 58	
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Luminance in cd/m²						
45°	28507.9	26053.8	22845.0	22254.8	23641.6	24018.9	22825.7
50°	21413.2	18965.2	16109.6	16638.2	19025.6	20831.4	19291.7
55°	16459.1	14288.4	11978.6	13069.5	15723.7	17305.9	15719.7
60°	13311.6	11426.8	9436.0	10729.9	13198.5	14071.0	13053.6
65°	11336.4	9648.7	7821.6	9056.6	11193.9	11783.1	11325.6
70°	10102.2	8518.2	6641.8	7811.3	9562.1	10324.3	10298.2
75°	9237.0	7566.5	5767.3	6742.6	8139.9	9187.6	9518.7
80°	8519.8	6642.0	4886.6	5531.1	6686.5	7863.2	8336.1
85°	7388.5	5691.0	4018.7	4333.1	5093.8	5965.3	6159.4

Photometric test report

Family
Licross® 21 Recessed

Order number: 52TL12DN68XG
EAN: 4069025289063

LP number
59101_382

Luminance values in cd/m²

γ 65°

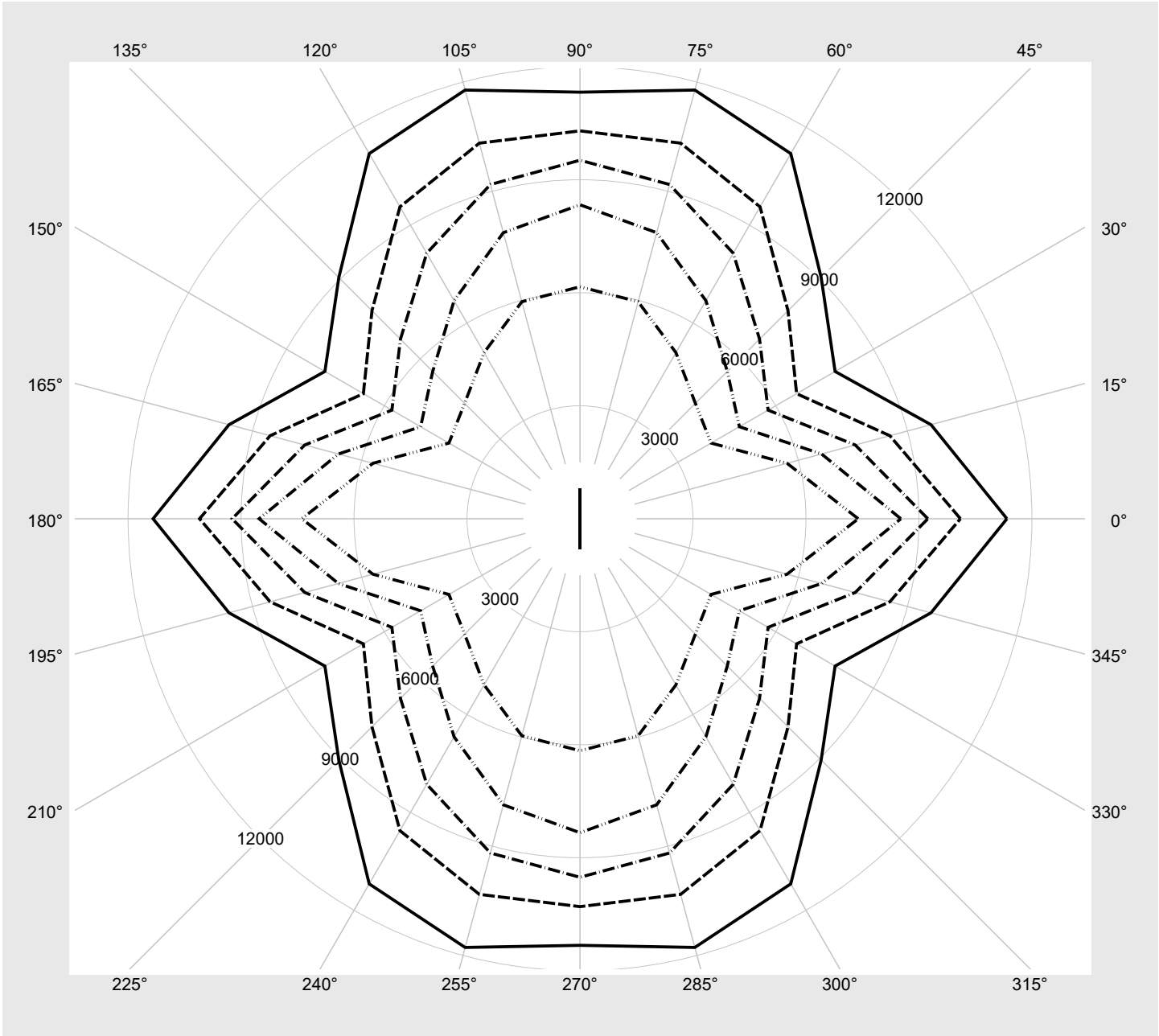
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12DN68XG EAN: 4069025289063	LP number 59101_382
Dimming levels table		environmental temperature: 25°C
		siteco

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	8000	45.6
95	240	252	7585	43.1
90	227	250	7199	40.9
85	214	248	6808	38.5
80	200	245	6385	36.1
75	187	243	5989	33.8
70	174	240	5592	31.6
65	161	237	5189	29.4
60	149	234	4815	27.3
55	136	231	4406	25.1
50	123	227	3996	22.8
45	111	224	3615	20.8
40	98	219	3199	18.6
35	86	214	2812	16.6
30	73	208	2390	14.4
25	61	202	2002	12.3
20	49	194	1608	10.3
15	37	183	1212	8.3
10	24	168	784	6.1
5	12	142	386	4.0
2	5	110	151	2.9