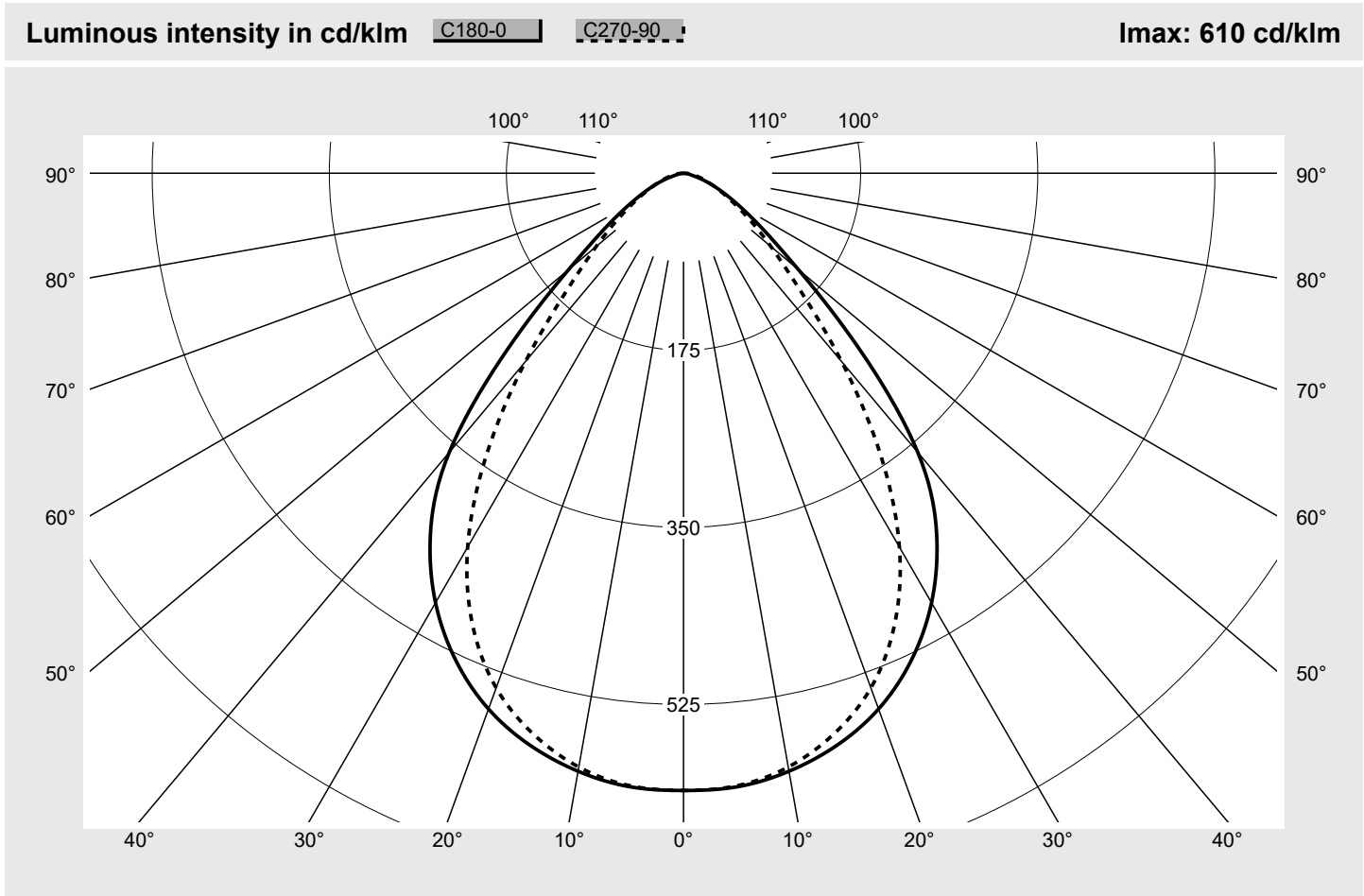


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL1WDV4L2M EAN: 4069025081223	LP number 59521_13
	Version	cover frosted, wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 22780 lm Power consumption = 125.6 W Luminous efficacy = 181.4 lm/W
		serial documentation 18.03.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 5 0	η_{LB}	100.0%
CIE	N1=73 N2=94 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: 52TL1WDV4L2M EAN: 4069025081223	LP number 59521_13
Table of values for luminous intensities		Maximum luminous intensity

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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°	610.0	610.0	610.0	610.0	610.0	610.0	610.0	3.6	3.6
5°	608.6	607.6	603.5	605.7	607.8	607.2	607.6	29.0	32.6
10°	600.1	600.0	594.9	595.9	596.5	595.2	595.9	56.8	89.4
15°	585.3	585.9	578.8	577.8	576.6	573.9	573.7	82.1	171.5
20°	563.4	563.9	554.9	550.2	546.3	542.2	541.3	103.4	275.0
25°	531.8	531.9	519.6	510.4	502.3	495.0	493.0	118.6	393.5
30°	490.1	489.9	473.2	457.8	443.0	430.6	426.6	125.7	519.3
35°	436.1	434.9	413.9	389.9	365.2	345.5	339.2	122.5	641.7
40°	360.2	357.4	334.2	303.1	273.1	250.6	243.1	106.9	748.6
45°	245.6	242.6	226.1	203.9	182.4	166.8	161.9	79.2	827.8
50°	148.2	149.1	145.2	133.7	122.4	114.2	112.6	55.6	883.4
55°	94.6	95.2	94.9	92.6	85.9	79.9	79.2	40.1	923.5
60°	61.8	62.8	63.1	63.8	60.6	55.1	54.9	28.8	952.3
65°	39.8	41.1	42.4	42.8	42.4	38.1	37.8	20.3	972.6
70°	23.6	24.8	26.8	28.2	28.2	26.4	25.7	13.6	986.2
75°	10.5	11.2	13.0	16.6	16.9	18.1	17.0	7.9	994.2
80°	5.4	5.5	5.6	6.4	8.9	11.0	9.8	4.1	998.2
85°	2.7	2.8	2.9	2.9	2.8	4.7	4.7	1.8	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: 52TL1WDV4L2M EAN: 4069025081223	LP number 59521_13
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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	23.9	25.3	24.2	25.6	25.9	22.6	24.0	23.0	24.3	24.7	
	3H	24.1	25.4	24.5	25.7	26.1	23.0	24.3	23.4	24.6	25.0	
	4H	24.2	25.3	24.6	25.7	26.1	23.2	24.4	23.6	24.7	25.1	
	6H	24.2	25.2	24.6	25.6	26.0	23.3	24.4	23.7	24.8	25.2	
	8H	24.2	25.1	24.6	25.5	25.9	23.4	24.4	23.8	24.8	25.2	
	12H	24.2	25.1	24.6	25.5	25.9	23.4	24.3	23.9	24.7	25.1	
4H	2H	24.0	25.2	24.4	25.5	25.9	22.9	24.0	23.3	24.4	24.8	
	3H	24.4	25.3	24.8	25.7	26.1	23.4	24.4	23.9	24.8	25.2	
	4H	24.4	25.3	24.8	25.7	26.1	23.7	24.5	24.1	25.0	25.4	
	6H	24.4	25.1	24.9	25.6	26.0	23.9	24.6	24.4	25.1	25.5	
	8H	24.4	25.1	24.9	25.5	26.0	24.0	24.6	24.4	25.1	25.6	
	12H	24.4	25.0	24.9	25.4	25.9	24.0	24.6	24.5	25.1	25.6	
8H	4H	24.4	25.1	24.9	25.5	26.0	23.7	24.4	24.2	24.8	25.3	
	6H	24.4	25.0	24.9	25.4	26.0	24.0	24.5	24.5	25.0	25.5	
	8H	24.4	24.9	24.9	25.4	25.9	24.1	24.6	24.6	25.1	25.6	
	12H	24.4	24.8	25.0	25.3	25.9	24.2	24.6	24.7	25.1	25.6	
12H	4H	24.4	25.0	24.9	25.5	26.0	23.7	24.3	24.2	24.8	25.3	
	6H	24.4	24.9	24.9	25.4	25.9	24.0	24.4	24.5	24.9	25.5	
	8H	24.4	24.8	24.9	25.3	25.9	24.1	24.5	24.6	25.0	25.5	

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 2250 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°	60638.0	59900.6	55809.1	50343.8	45023.1	41186.1	39962.9
50°	40233.3	40494.1	39425.4	36307.9	33237.0	31002.0	30575.6
55°	28779.1	28969.6	28889.6	28172.9	26133.9	24310.6	24102.1
60°	21563.7	21908.9	22044.1	22283.2	21142.3	19246.6	19171.5
65°	16454.8	16955.8	17502.3	17688.6	17529.1	15721.6	15622.9
70°	12022.5	12641.0	13669.4	14374.8	14386.5	13457.1	13128.4
75°	7110.7	7524.8	8785.3	11210.6	11411.6	12194.0	11495.3
80°	5475.6	5534.9	5635.4	6482.8	8931.6	11097.9	9855.4
85°	5489.8	5595.9	5714.1	5818.3	5537.9	9315.2	9315.2

Photometric test report

Family Licross® 21 Recessed	Order number: 52TL1WDV4L2M EAN: 4069025081223	LP number 59521_13
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Luminance values in cd/m²

γ 65°

γ 70°

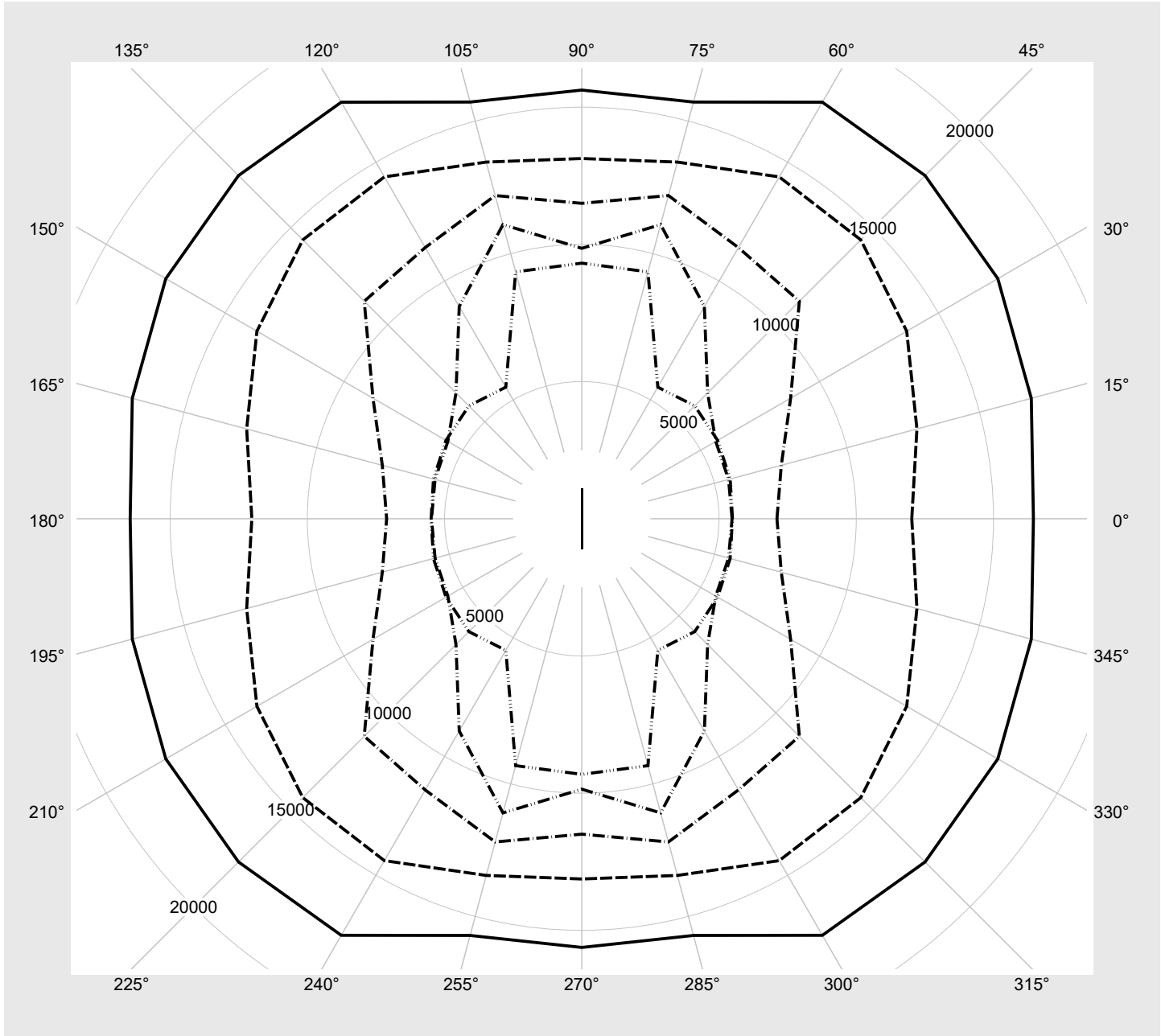
γ 75°

γ 80°

γ 85°

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Photometric test report

Family Licross® 21 Recessed	Order number: 52TL1WDV4L2M EAN: 4069025081223	LP number 59521_13
Dimming levels table		environmental temperature: 25°C 

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	22780	125.6
95	240	252	21636	118.9
90	226	250	20483	112.2
85	213	248	19394	106.0
80	199	245	18212	99.1
75	186	243	17097	92.8
70	173	240	15972	86.4
65	160	237	14833	80.1
60	147	234	13684	73.8
55	134	231	12526	67.4
50	121	227	11350	61.2
45	109	223	10259	55.4
40	96	218	9068	49.1
35	84	213	7953	43.3
30	72	208	6834	37.6
25	60	201	5708	31.8
20	48	193	4569	26.0
15	36	182	3427	20.2
10	24	168	2278	14.0
5	12	142	1116	7.6
1	4	102	341	2.8