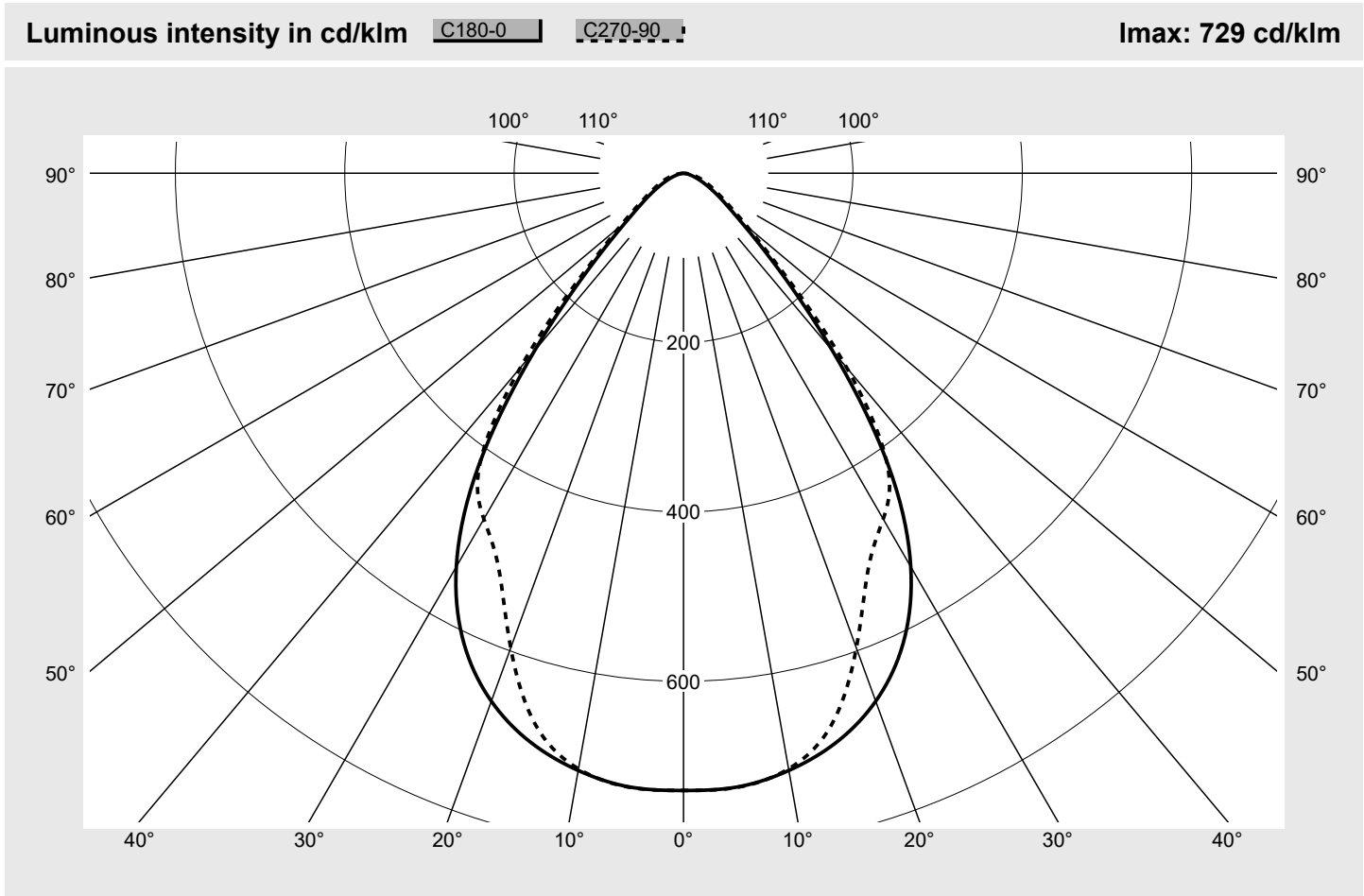


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL18DV46XG EAN: 4069025113870	LP number 59103_298
	Version	cover frosted, medium distribution, high visual comfort
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 6200 lm Power consumption = 34.5 W Luminous efficacy = 179.7 lm/W
		serial documentation 07.05.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 6 0	η_{LB}	100.0%
CIE	N1=79 N2=95 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: 52TL18DV46XG EAN: 4069025113870	LP number 59103_298
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°	728.9	728.9	728.9	728.9	728.9	728.9	728.9	4.4	4.4
5°	727.6	725.6	721.4	724.4	727.7	727.5	728.0	34.7	39.0
10°	716.2	715.8	711.3	714.1	716.0	714.5	714.3	68.0	107.0
15°	696.1	697.2	692.4	692.3	687.6	678.3	674.7	97.7	204.8
20°	663.5	665.6	659.3	649.0	628.4	605.3	596.6	119.9	324.7
25°	613.2	616.1	603.1	573.7	542.7	522.2	516.0	132.1	456.8
30°	536.6	538.7	513.6	472.5	462.2	468.1	471.5	135.2	592.0
35°	422.0	421.2	386.0	361.6	387.1	411.1	419.4	125.1	717.1
40°	273.6	269.8	241.4	246.2	279.1	295.4	299.7	95.1	812.2
45°	153.4	148.0	132.2	146.4	164.6	167.9	167.6	59.4	871.5
50°	87.1	86.0	88.4	95.4	105.5	102.0	98.3	39.9	911.4
55°	56.5	55.2	58.2	69.2	74.7	68.5	64.6	28.9	940.4
60°	37.8	37.4	39.6	46.2	52.4	47.5	45.7	20.9	961.3
65°	24.5	24.8	27.6	32.4	36.8	34.0	33.6	15.3	976.6
70°	15.3	15.7	18.0	22.8	25.8	24.5	24.5	10.9	987.5
75°	8.5	8.7	10.3	14.3	17.1	16.5	16.4	7.0	994.5
80°	4.5	4.6	5.3	7.4	9.6	9.5	9.0	3.9	998.3
85°	2.3	2.3	2.4	3.2	3.8	3.8	3.2	1.7	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: 52TL18DV46XG EAN: 4069025113870	LP number 59103_298
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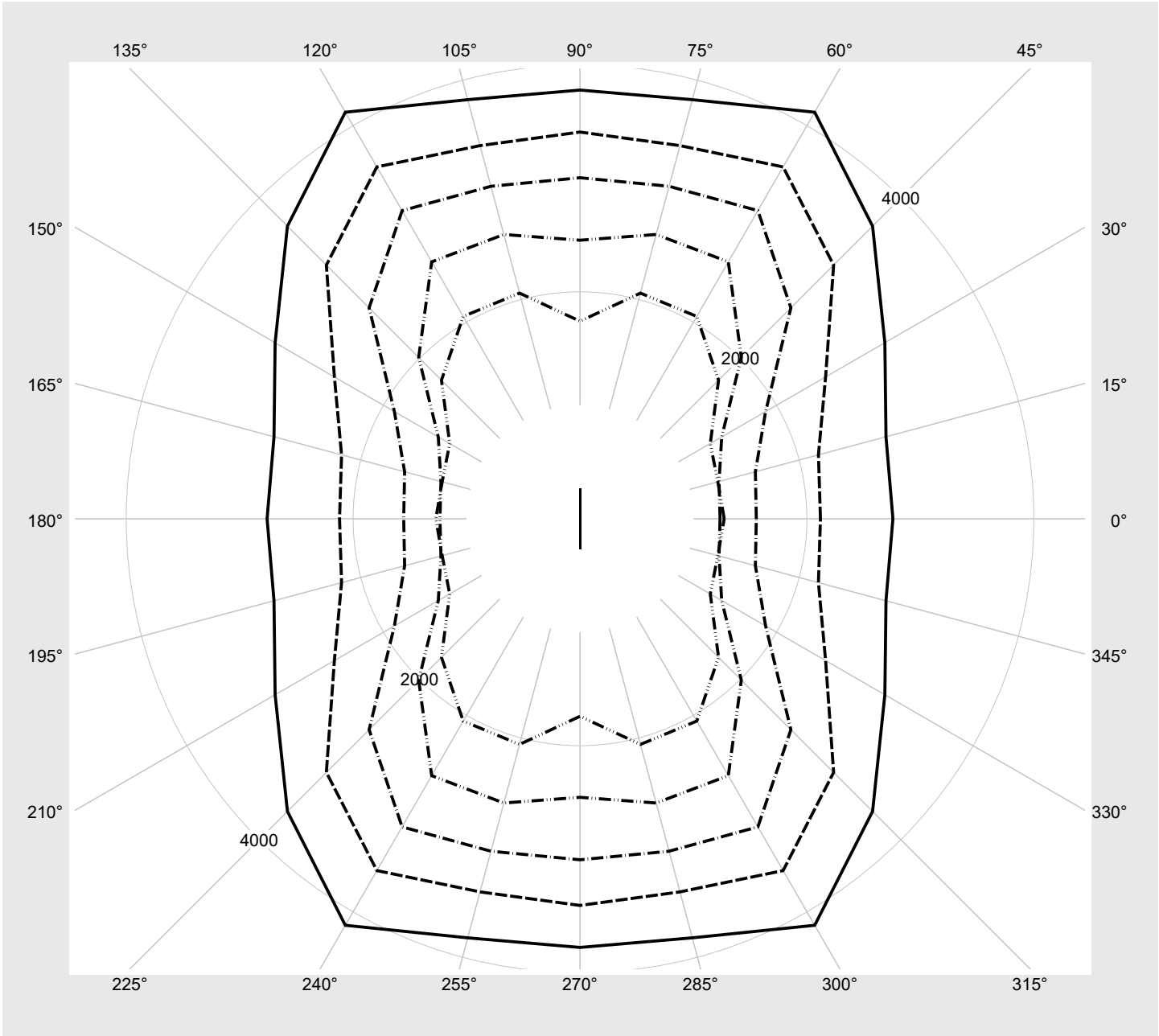
UGR-Table		Standard room							siteco		
Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	17.2	18.5	17.5	18.8	19.2	17.8	19.2	18.2	19.5	19.8
	3H	17.3	18.5	17.7	18.9	19.2	18.2	19.4	18.6	19.7	20.1
	4H	17.3	18.4	17.7	18.8	19.2	18.4	19.5	18.8	19.8	20.2
	6H	17.3	18.3	17.7	18.7	19.1	18.5	19.5	18.9	19.8	20.2
	8H	17.4	18.3	17.8	18.7	19.1	18.6	19.5	19.0	19.8	20.2
	12H	17.4	18.2	17.8	18.6	19.0	18.6	19.4	19.0	19.8	20.2
4H	2H	17.3	18.4	17.7	18.8	19.1	17.9	19.0	18.3	19.4	19.7
	3H	17.6	18.5	18.0	18.9	19.3	18.4	19.4	18.9	19.7	20.2
	4H	17.6	18.4	18.1	18.8	19.3	18.7	19.5	19.1	19.9	20.4
	6H	17.6	18.3	18.1	18.8	19.2	18.9	19.6	19.4	20.0	20.5
	8H	17.6	18.3	18.1	18.7	19.2	18.9	19.6	19.4	20.0	20.5
	12H	17.7	18.2	18.1	18.6	19.1	19.0	19.5	19.5	20.0	20.5
8H	4H	17.7	18.3	18.2	18.8	19.2	18.7	19.3	19.2	19.8	20.3
	6H	17.7	18.2	18.2	18.7	19.2	19.0	19.5	19.5	20.0	20.5
	8H	17.7	18.2	18.2	18.7	19.2	19.1	19.5	19.6	20.0	20.5
	12H	17.8	18.1	18.3	18.6	19.2	19.1	19.5	19.7	20.0	20.5
12H	4H	17.7	18.2	18.2	18.7	19.2	18.7	19.2	19.2	19.7	20.2
	6H	17.8	18.2	18.3	18.7	19.2	19.0	19.4	19.5	19.9	20.4
	8H	17.8	18.1	18.3	18.6	19.2	19.1	19.4	19.6	19.9	20.5

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°	10306.5	9942.0	8881.1	9833.1	11059.2	11280.6	11263.6
50°	6440.7	6356.4	6534.4	7051.5	7798.9	7536.6	7268.8
55°	4677.6	4570.5	4818.2	5735.7	6187.1	5676.9	5349.4
60°	3588.5	3550.0	3759.5	4390.5	4975.8	4513.3	4339.9
65°	2758.2	2792.3	3102.9	3647.2	4137.3	3823.9	3778.2
70°	2119.5	2175.9	2499.8	3161.7	3580.6	3404.7	3408.1
75°	1554.0	1600.5	1889.0	2628.8	3135.8	3033.6	3005.7
80°	1234.5	1268.9	1442.4	2010.9	2614.5	2593.7	2455.0
85°	1271.2	1257.6	1326.3	1726.9	2058.9	2058.9	1741.1

Photometric test report

Family Licross® 21 Recessed	Order number: 52TL18DV46XG EAN: 4069025113870	LP number 59103_298
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: 52TL18DV46XG EAN: 4069025113870	LP number 59103_298
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	6200	34.5
95	241	252	5888	32.8
90	228	250	5578	31.1
85	215	248	5269	29.4
80	202	246	4954	27.8
75	189	243	4641	26.1
70	177	241	4351	24.5
65	164	238	4035	22.7
60	151	235	3720	21.1
55	138	232	3401	19.4
50	126	228	3108	18.0
45	113	224	2787	16.6
40	100	220	2468	15.2
35	88	215	2173	13.9
30	75	209	1849	12.4
25	63	203	1553	10.7
20	50	194	1230	8.7