

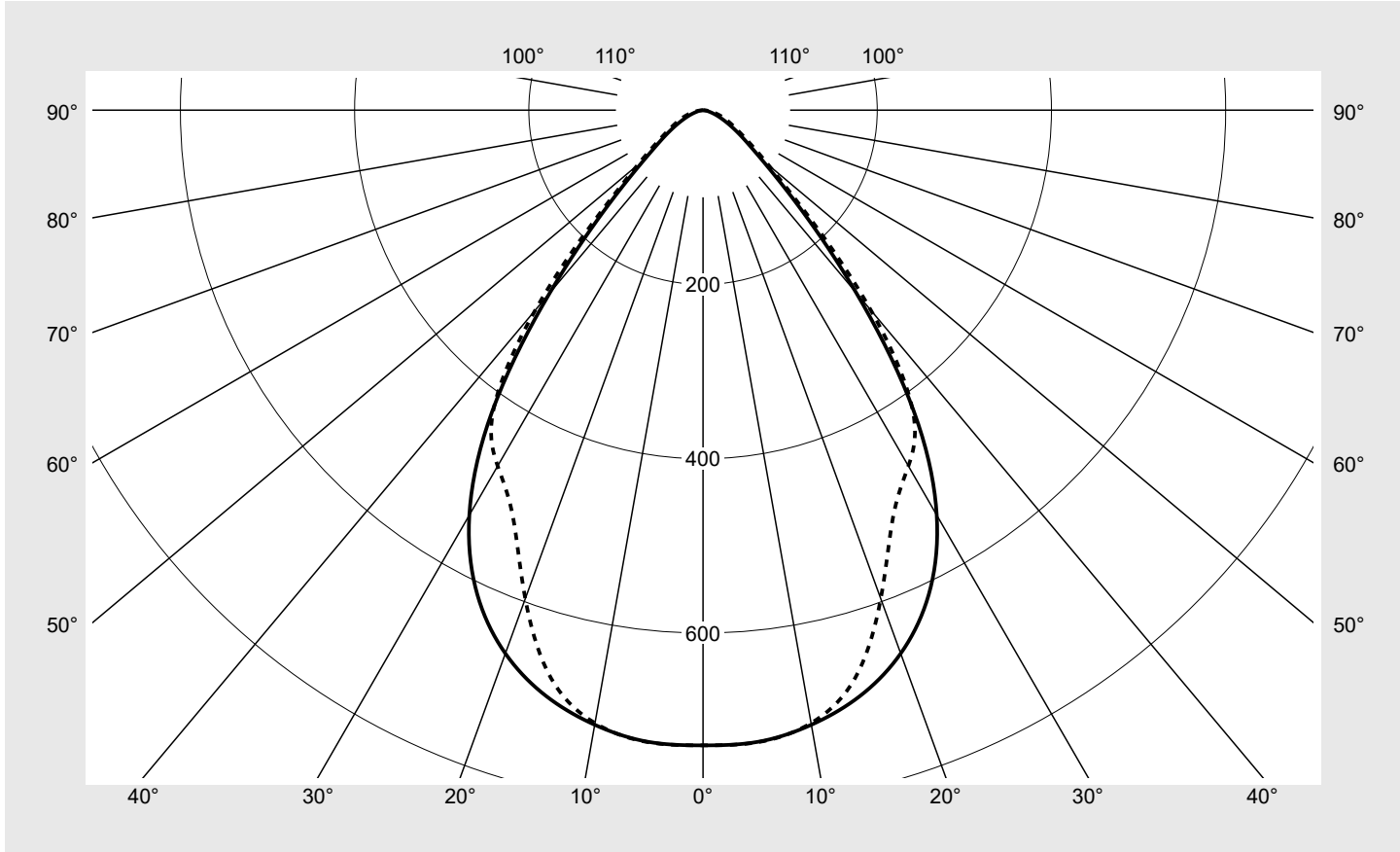


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL18CN49XG EAN: 4058352891285	LP number 59103_254
	Version cover frosted, medium distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 9000 lm Power consumption = 49.9 W Luminous efficacy = 180.4 lm/W	serial documentation 17.08.2023
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 729 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=79 N2=95 N3=99 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
		sITeco

C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
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

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UGR-Table	Standard room	siteco
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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	19.9	21.2	20.2	21.5	21.9	20.5	21.9	20.9	22.2	22.5
	3H	20.0	21.2	20.4	21.6	21.9	20.9	22.1	21.3	22.4	22.8
	4H	20.0	21.2	20.4	21.5	21.9	21.1	22.2	21.5	22.5	22.9
	6H	20.0	21.0	20.5	21.4	21.8	21.2	22.2	21.6	22.6	22.9
	8H	20.1	21.0	20.5	21.4	21.8	21.3	22.2	21.7	22.5	22.9
	12H	20.1	20.9	20.5	21.3	21.7	21.3	22.1	21.7	22.5	22.9
4H	2H	20.0	21.1	20.4	21.5	21.9	20.6	21.7	21.0	22.1	22.4
	3H	20.3	21.2	20.7	21.6	22.0	21.1	22.1	21.6	22.4	22.9
	4H	20.3	21.1	20.8	21.5	22.0	21.4	22.2	21.8	22.6	23.1
	6H	20.3	21.0	20.8	21.5	21.9	21.6	22.3	22.1	22.7	23.2
	8H	20.3	21.0	20.8	21.4	21.9	21.7	22.3	22.1	22.7	23.2
	12H	20.4	20.9	20.8	21.3	21.8	21.7	22.2	22.2	22.7	23.2
8H	4H	20.4	21.0	20.9	21.5	21.9	21.4	22.0	21.9	22.5	23.0
	6H	20.4	20.9	20.9	21.4	21.9	21.7	22.2	22.2	22.7	23.2
	8H	20.4	20.9	20.9	21.4	21.9	21.8	22.2	22.3	22.7	23.2
	12H	20.5	20.8	21.0	21.3	21.9	21.8	22.2	22.4	22.7	23.3
12H	4H	20.4	20.9	20.9	21.4	21.9	21.4	21.9	21.9	22.4	22.9
	6H	20.5	20.9	21.0	21.4	21.9	21.7	22.1	22.2	22.6	23.1
	8H	20.5	20.8	21.0	21.3	21.9	21.8	22.1	22.3	22.7	23.2

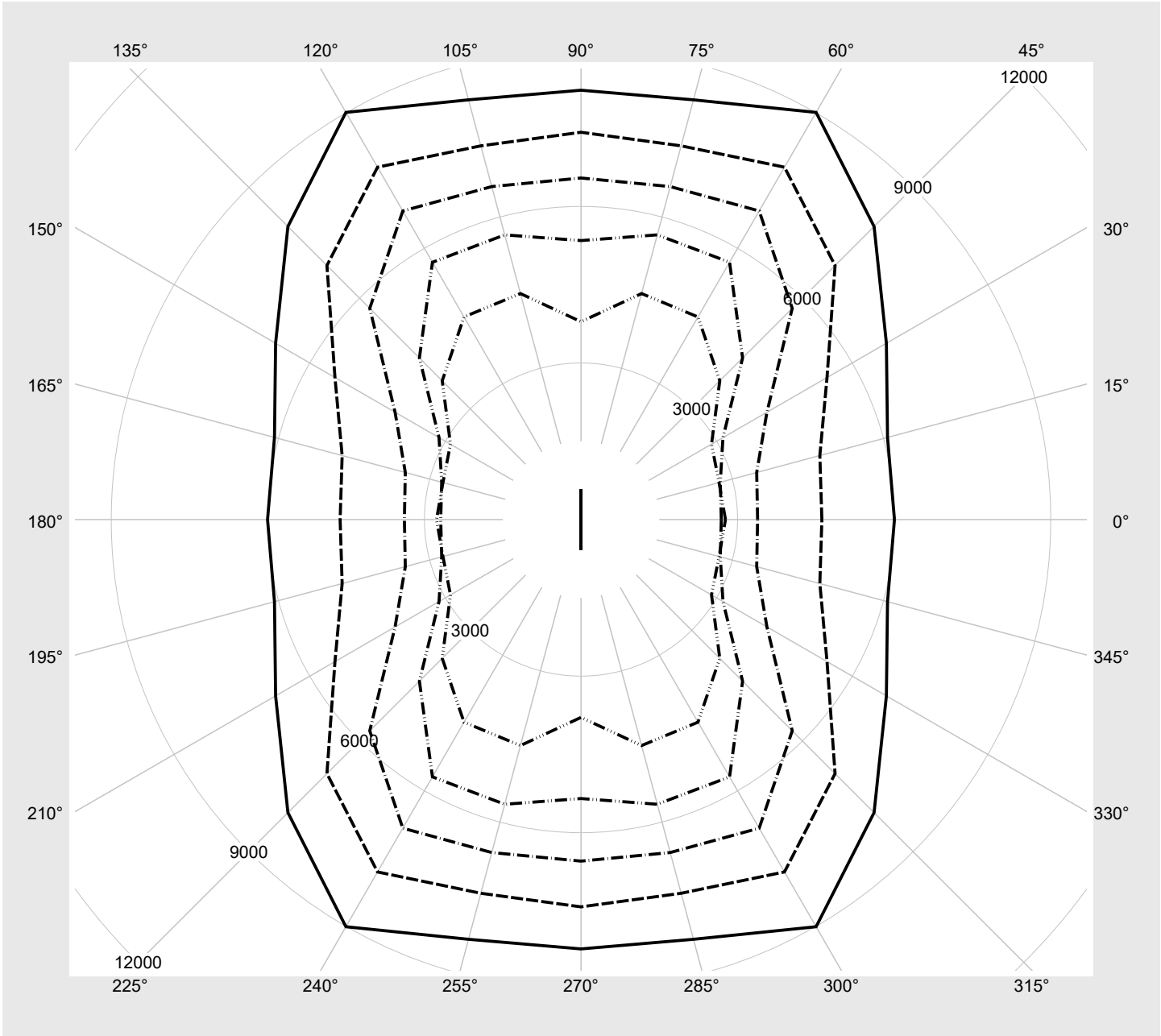
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500
			B = 58

C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		22441.5	21648.0	19337.8	21410.7	24080.5	24562.5	24525.5	
50°		14024.2	13840.6	14228.1	15354.0	16981.6	16410.4	15827.2	
55°		10185.1	9951.9	10491.3	12489.0	13471.9	12361.1	11647.8	
60°		7813.7	7729.9	8186.1	9559.9	10834.3	9827.4	9449.8	
65°		6005.7	6080.1	6756.4	7941.4	9008.6	8326.2	8226.8	
70°		4615.0	4737.8	5443.1	6884.3	7796.6	7413.4	7420.9	
75°		3383.8	3484.9	4113.2	5724.0	6828.0	6605.3	6544.6	
80°		2688.0	2763.0	3140.7	4378.7	5692.8	5647.6	5345.5	
85°		2767.9	2738.3	2887.8	3760.2	4483.1	4483.1	3791.1	

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



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Multilumen Table	environmental temperature: 25°C	sITeco
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption [W]	Power consumption [W]
	1	2	3			end of lifetime	average
1	A	C	E	9000	49.9	60.5	55.2
2	A	C	F	8569	47.3	56.9	52.1
3	A	D	E	8065	44.4	53.4	48.9
4	A	D	F	7551	41.4	49.5	45.4
5	B	C	E	7026	38.4	45.6	42.0
6	B	C	F	6501	35.3	42.2	38.8
7	B	D	E	6049	32.8	39.2	36.0
8	B	D	F	5513	29.9	35.3	32.6