

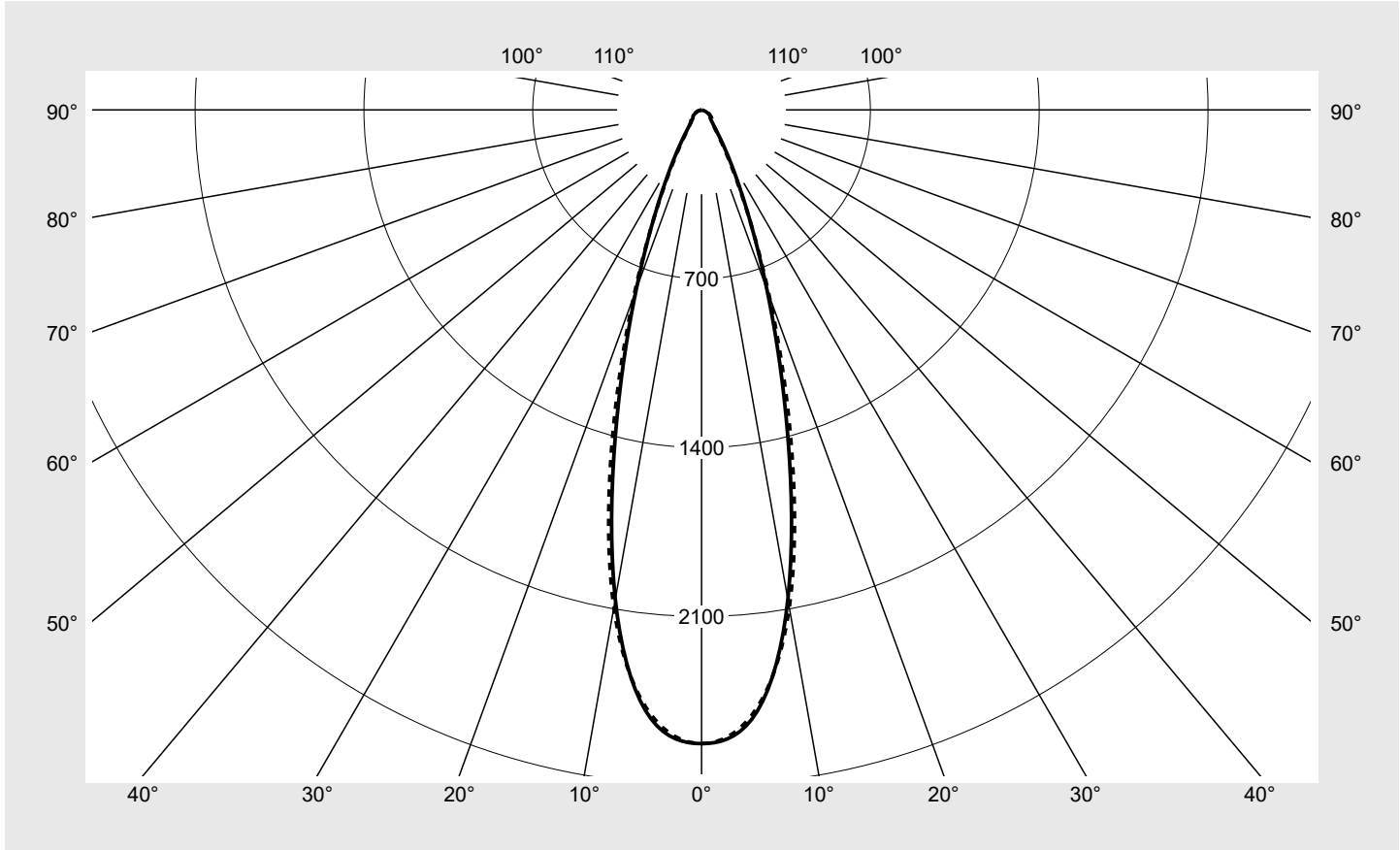


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL11CN49XG EAN: 4058352890400	LP number 58785_287
	Version cover frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 9120 lm Power consumption = 49.9 W Luminous efficacy = 182.8 lm/W	serial documentation 17.08.2023
		

Luminous intensity in cd/klm C180-0 C270-90 Imax: 2627 cd/klm



Classifications	
DIN 5040	A 7 0
CIE	N1=89 N2=96 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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sITeco

Table of values for luminous intensities	Maximum luminous intensity
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C-planes	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°			
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	2627.4	2627.4	2627.4	2627.4	2627.4	2627.4	2627.4	15.7	15.7
5°	2520.2	2503.8	2487.8	2499.1	2508.6	2505.8	2505.2	119.6	135.3
10°	2060.7	2047.7	2044.6	2066.8	2086.2	2092.0	2094.5	196.9	332.2
15°	1373.4	1369.0	1375.7	1399.2	1421.9	1432.7	1437.2	198.7	530.9
20°	791.8	790.8	796.4	808.8	818.0	819.0	819.4	151.2	682.1
25°	418.1	420.5	425.4	427.2	423.4	413.4	409.3	97.4	779.6
30°	215.7	218.7	224.8	222.9	213.7	202.3	197.8	58.9	838.4
35°	112.4	114.3	119.3	116.0	107.4	103.1	102.4	35.0	873.4
40°	70.3	69.7	69.6	67.8	65.2	68.3	71.3	24.2	897.6
45°	52.4	50.5	46.9	47.4	48.4	54.1	61.4	19.6	917.2
50°	46.4	44.6	38.1	38.0	38.3	44.7	54.3	17.8	935.0
55°	42.3	42.2	36.7	33.4	32.3	38.6	47.1	17.1	952.1
60°	32.7	32.9	34.3	30.2	28.0	32.6	38.2	15.3	967.4
65°	23.6	23.8	26.4	25.7	24.0	26.1	29.3	12.6	980.0
70°	15.1	15.6	18.2	19.4	18.6	19.5	20.9	9.4	989.4
75°	8.3	8.7	10.8	13.0	12.9	13.2	13.7	6.1	995.5
80°	4.0	4.1	5.0	6.6	7.3	7.2	7.2	3.2	998.7
85°	1.6	1.6	1.9	2.5	2.6	2.7	2.5	1.2	1000.0
90°	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	15.0	16.2	15.4	16.5	16.8	15.0	16.1	15.3	16.4	16.7
	3H	15.9	16.9	16.3	17.3	17.6	16.3	17.3	16.7	17.7	18.0
	4H	16.2	17.1	16.6	17.4	17.8	16.9	17.8	17.3	18.1	18.5
	6H	16.3	17.1	16.7	17.5	17.9	17.3	18.0	17.7	18.4	18.8
	8H	16.4	17.0	16.8	17.4	17.8	17.4	18.1	17.8	18.4	18.9
	12H	16.4	17.0	16.8	17.4	17.8	17.4	18.0	17.9	18.4	18.8
4H	2H	15.5	16.4	15.9	16.8	17.2	15.5	16.4	15.9	16.7	17.1
	3H	16.7	17.4	17.1	17.8	18.2	17.0	17.7	17.4	18.1	18.6
	4H	17.0	17.6	17.4	18.0	18.5	17.6	18.3	18.1	18.7	19.1
	6H	17.1	17.6	17.6	18.1	18.6	18.1	18.6	18.5	19.0	19.5
	8H	17.1	17.6	17.6	18.1	18.5	18.2	18.7	18.7	19.1	19.6
	12H	17.2	17.5	17.7	18.0	18.5	18.3	18.6	18.7	19.1	19.6
8H	4H	17.2	17.7	17.7	18.1	18.6	17.8	18.3	18.3	18.8	19.2
	6H	17.4	17.8	17.9	18.3	18.8	18.3	18.7	18.8	19.2	19.7
	8H	17.4	17.8	17.9	18.2	18.8	18.5	18.8	19.0	19.3	19.8
	12H	17.5	17.7	18.0	18.2	18.8	18.6	18.8	19.1	19.4	19.9
12H	4H	17.2	17.6	17.7	18.1	18.6	17.8	18.2	18.3	18.7	19.2
	6H	17.4	17.7	18.0	18.2	18.8	18.3	18.6	18.9	19.1	19.7
	8H	17.5	17.7	18.0	18.3	18.8	18.5	18.8	19.0	19.3	19.8

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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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°		7773.9	7482.1	6950.9	7021.2	7169.9	8026.9	9101.7	
50°		7571.9	7275.9	6206.6	6203.0	6242.8	7295.3	8850.0	
55°		7737.0	7715.3	6706.8	6098.6	5910.1	7056.2	8600.0	
60°		6852.4	6894.3	7189.9	6334.7	5865.3	6824.5	8007.6	
65°		5842.9	5908.1	6548.1	6383.9	5956.3	6472.4	7256.3	
70°		4630.8	4772.7	5593.2	5933.8	5713.1	5977.9	6407.6	
75°		3373.8	3531.0	4371.8	5266.5	5232.9	5337.0	5542.7	
80°		2385.7	2470.9	3034.7	3976.4	4399.6	4326.0	4362.8	
85°		1946.1	1973.7	2303.3	2986.5	3156.0	3229.4	2960.0	

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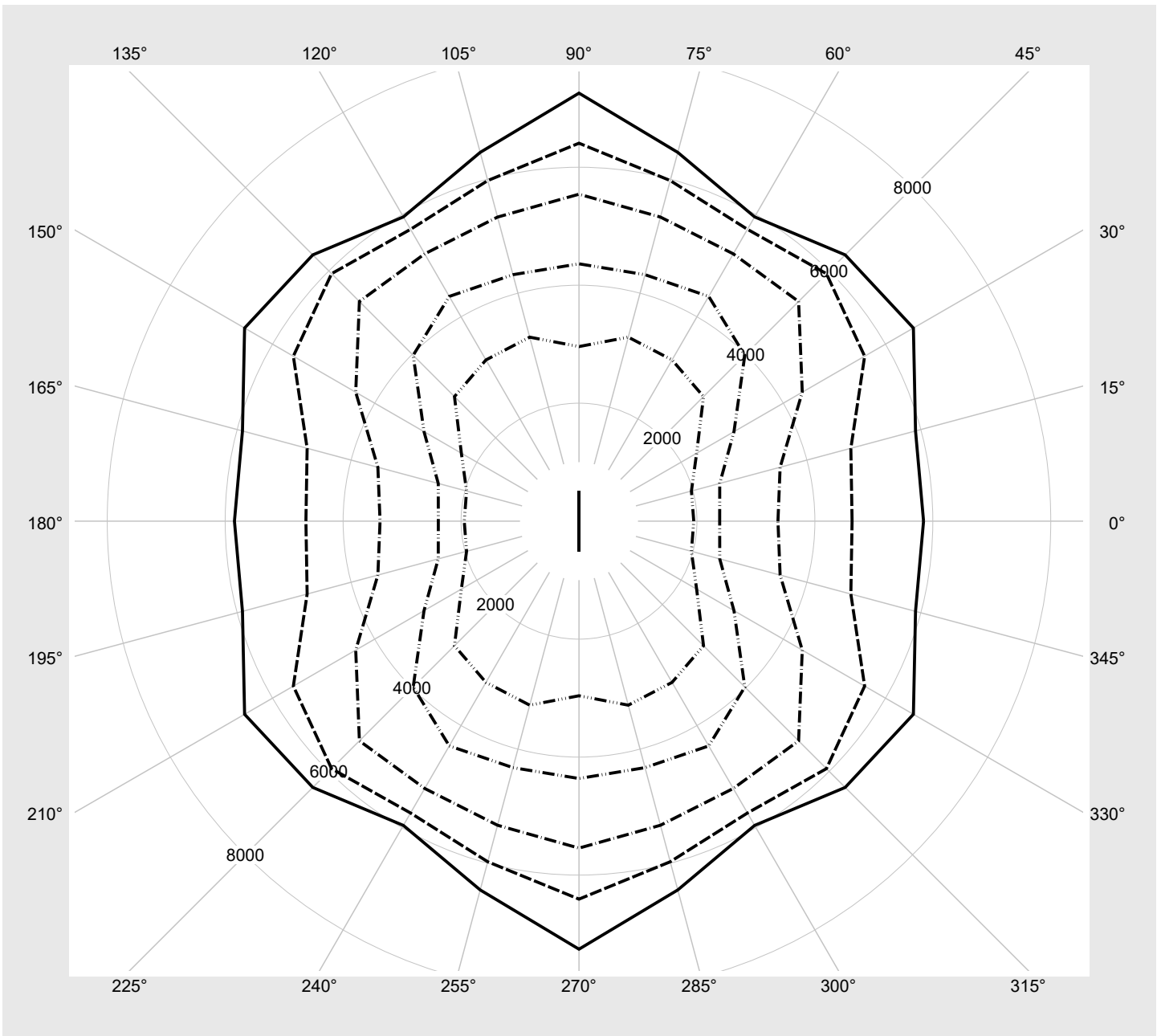
Family
Licross® 21 Recessed

Order number: 52TL11CN49XG
EAN: 4058352890400

LP number
58785_287

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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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	Power consumption
	1	2	3			end of lifetime [W]	average [W]
1	A	C	E	9120	49.9	60.5	55.2
2	A	C	F	8679	47.3	56.9	52.1
3	A	D	E	8165	44.4	53.4	48.9
4	A	D	F	7651	41.4	49.5	45.4
5	B	C	E	7126	38.4	45.6	42.0
6	B	C	F	6591	35.3	42.2	38.8
7	B	D	E	6129	32.8	39.2	36.0
8	B	D	F	5594	29.9	35.3	32.6