
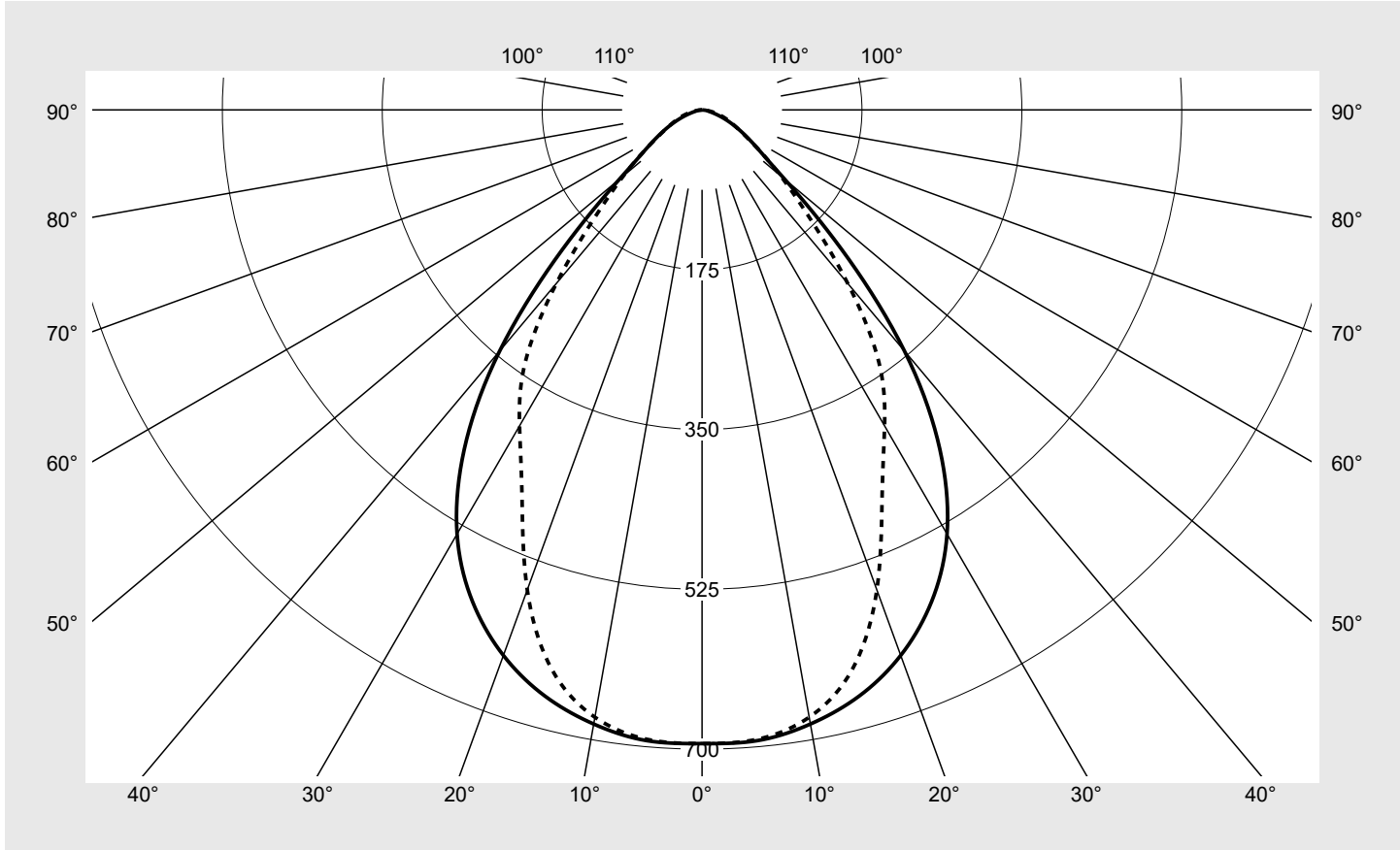


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL18CN4C5M EAN: 4058352891308	LP number 59104_159
	Version cover frosted, medium distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 12540 lm Power consumption = 68.4 W Luminous efficacy = 183.3 lm/W	serial documentation 17.08.2023



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 694 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=75 N2=94 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°	694.0	694.0	694.0	694.0	694.0	694.0	694.0	4.2	4.2
5°	693.3	691.2	687.0	689.0	691.7	691.4	691.9	33.0	37.1
10°	682.9	681.6	676.2	676.6	677.1	675.1	675.3	64.5	101.6
15°	664.5	663.4	655.7	650.8	644.2	637.0	634.6	92.2	193.9
20°	635.7	634.6	621.8	603.7	582.0	564.8	559.4	112.6	306.5
25°	594.3	592.8	570.2	532.2	493.8	471.5	466.3	123.2	429.7
30°	536.3	532.4	496.5	443.5	408.6	399.3	399.5	125.5	555.2
35°	453.8	445.6	398.8	354.7	341.6	338.2	337.4	119.2	674.4
40°	344.5	330.9	285.8	265.8	259.9	251.4	248.0	99.2	773.7
45°	216.1	203.7	174.1	171.5	169.1	165.7	165.2	69.4	843.1
50°	117.9	113.3	108.5	113.4	112.2	111.3	112.1	47.2	890.2
55°	75.1	72.3	72.7	81.4	80.0	76.7	75.3	34.3	924.5
60°	52.8	51.4	52.2	58.3	58.9	53.9	51.6	25.9	950.4
65°	36.0	35.7	38.4	42.9	44.1	39.6	37.5	19.7	970.1
70°	22.2	22.5	25.4	30.3	32.0	29.3	27.4	14.1	984.2
75°	11.8	12.0	13.9	18.9	21.4	20.1	18.3	8.9	993.1
80°	6.2	6.2	6.9	9.4	11.9	11.6	10.1	4.9	998.0
85°	3.0	2.9	3.0	3.8	4.5	4.6	3.6	2.0	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	22.3	23.7	22.6	24.0	24.3	21.6	23.0	22.0	23.3	23.7
	3H	22.5	23.8	22.9	24.1	24.5	22.2	23.4	22.5	23.7	24.1
	4H	22.6	23.7	23.0	24.1	24.5	22.4	23.5	22.8	23.9	24.3
	6H	22.6	23.6	23.0	24.0	24.4	22.6	23.6	23.0	24.0	24.4
	8H	22.7	23.6	23.1	24.0	24.4	22.7	23.6	23.1	24.0	24.4
	12H	22.7	23.5	23.1	23.9	24.3	22.7	23.5	23.1	23.9	24.4
4H	2H	22.4	23.6	22.8	23.9	24.3	21.9	23.0	22.3	23.4	23.8
	3H	22.8	23.8	23.3	24.2	24.6	22.6	23.6	23.1	24.0	24.4
	4H	22.9	23.8	23.4	24.2	24.6	23.0	23.8	23.4	24.2	24.7
	6H	23.0	23.7	23.4	24.1	24.6	23.2	24.0	23.7	24.4	24.9
	8H	23.0	23.6	23.5	24.1	24.6	23.3	24.0	23.8	24.4	24.9
	12H	23.0	23.6	23.5	24.0	24.5	23.4	23.9	23.9	24.4	24.9
8H	4H	23.0	23.7	23.5	24.1	24.6	23.1	23.7	23.6	24.2	24.7
	6H	23.1	23.6	23.6	24.1	24.6	23.4	24.0	23.9	24.4	24.9
	8H	23.1	23.6	23.6	24.1	24.6	23.5	24.0	24.0	24.5	25.0
	12H	23.1	23.5	23.7	24.0	24.6	23.6	24.0	24.2	24.5	25.1
12H	4H	23.0	23.6	23.5	24.1	24.6	23.1	23.6	23.6	24.1	24.6
	6H	23.1	23.6	23.6	24.0	24.6	23.4	23.9	24.0	24.4	24.9
	8H	23.1	23.5	23.7	24.0	24.6	23.6	24.0	24.1	24.5	25.0

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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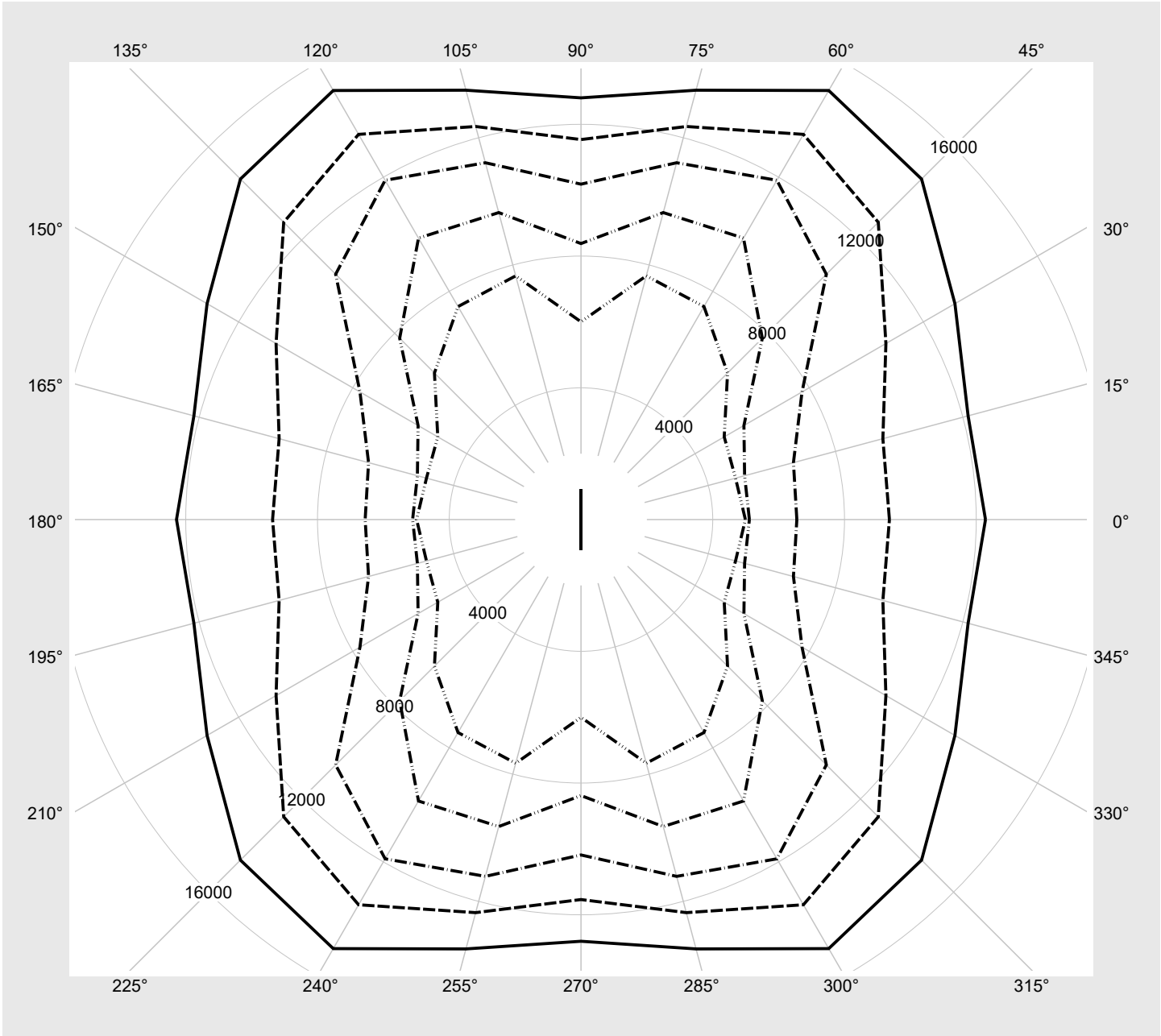
C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		44051.2	41525.6	35479.7	34954.6	34462.7	33776.2	33684.5	
50°		26442.5	25404.7	24334.6	25432.9	25170.6	24956.4	25142.1	
55°		18880.4	18161.0	18274.1	20455.6	20111.5	19283.3	18916.9	
60°		15231.9	14809.9	15039.6	16809.1	16982.9	15551.6	14861.2	
65°		12280.5	12167.3	13109.0	14622.9	15042.4	13496.1	12803.7	
70°		9363.8	9488.5	10689.2	12764.7	13504.8	12355.5	11537.5	
75°		6553.1	6677.3	7748.8	10534.4	11894.4	11215.5	10183.6	
80°		5112.3	5142.2	5711.6	7785.1	9867.7	9649.4	8380.3	
85°		4991.2	4857.2	5020.9	6292.7	7466.9	7660.4	6004.9	

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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	12540	68.4	83.1	75.8
2	A	C	F	12036	65.4	79.7	72.6
3	A	D	E	11007	59.4	71.9	65.6
4	A	D	F	10040	53.9	64.9	59.4
5	B	C	E	8990	47.9	57.7	52.8
6	B	C	F	7992	42.4	50.9	46.6
7	B	D	E	6995	37.1	44.2	40.7
8	B	D	F	5965	31.6	37.5	34.6