

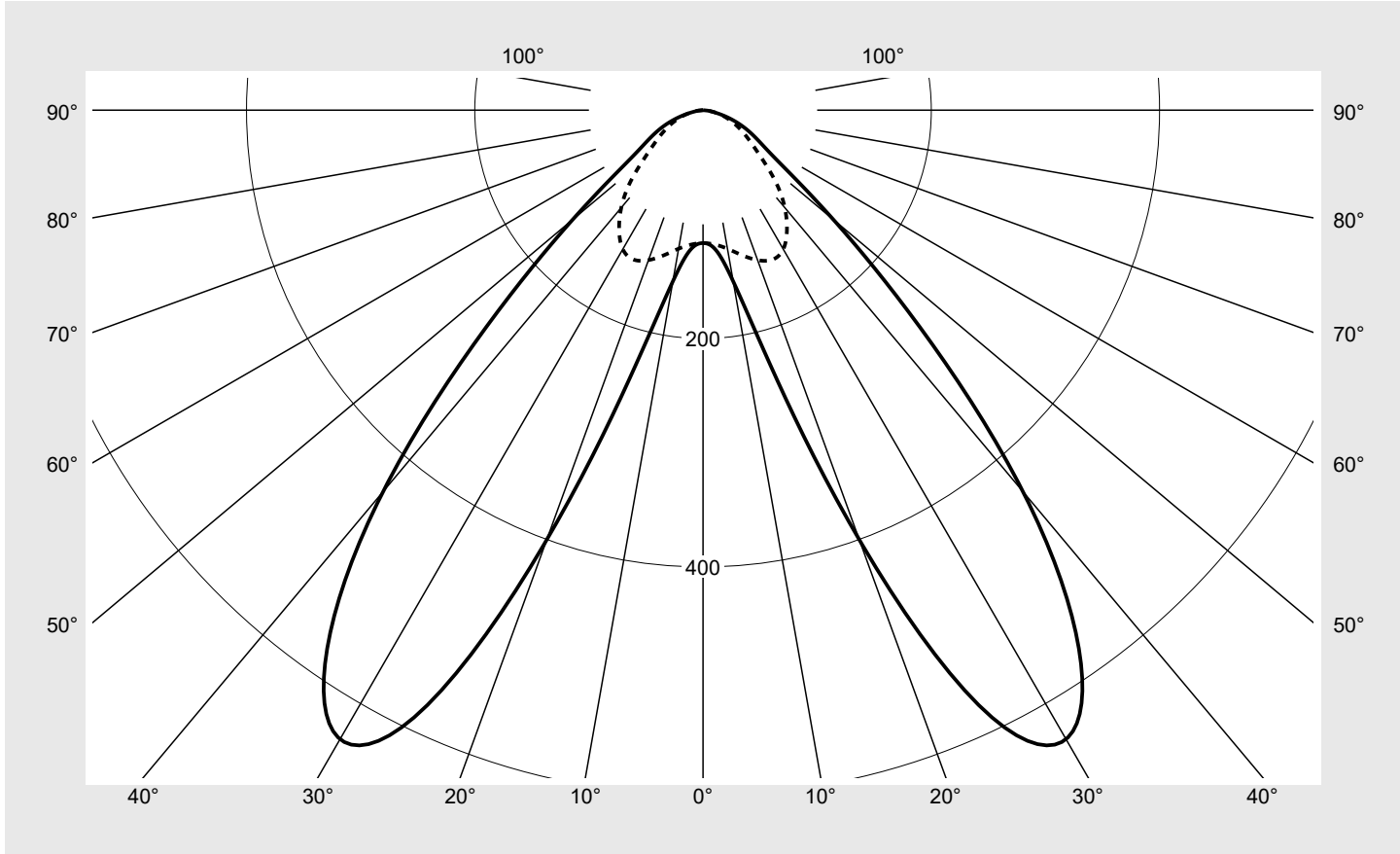


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL19CN485G EAN: 4058352891513	LP number 58532_365
	Version cover frosted, double asymmetric distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 8870 lm Power consumption = 49.9 W Luminous efficacy = 177.8 lm/W	serial documentation 17.08.2023
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 703 cd/klm**



Classifications	
DIN 5040	A 4 0
CIE	N1=55 N2=89 N3=98 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
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C-planes γ	0° 180°	15° 165° 195° 345°	Luminous intensity in cd/klm					90° 270°	Phi-zone	Total Phi-zone
			30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°				
0°	116.4	116.4	116.4	116.4	116.4	116.4	116.4	116.4	0.7	0.7
5°	122.3	121.8	120.5	120.1	119.3	118.4	118.1	118.1	5.7	6.4
10°	152.3	149.6	141.1	133.1	127.4	124.1	123.2	123.2	12.9	19.3
15°	235.7	226.2	196.7	164.2	142.2	133.3	131.4	131.4	24.7	44.1
20°	400.4	377.8	306.4	227.1	167.8	143.8	139.7	139.7	46.6	90.7
25°	577.7	557.7	476.8	343.4	212.9	153.0	144.3	144.3	81.3	172.0
30°	636.1	636.8	610.4	517.3	280.0	157.9	140.6	140.6	118.3	290.3
35°	573.7	597.7	662.3	665.7	347.9	155.6	128.2	128.2	145.7	436.0
40°	436.2	470.5	613.4	703.5	376.1	144.6	111.4	111.4	151.6	587.6
45°	268.7	299.8	459.0	605.2	334.0	122.5	91.2	91.2	129.2	716.8
50°	149.1	168.3	276.5	419.8	259.3	97.4	69.0	69.0	93.1	809.9
55°	85.3	95.5	151.2	245.9	199.7	79.3	53.1	53.1	62.9	872.9
60°	59.3	63.7	88.0	138.5	152.7	65.0	42.1	42.1	44.2	917.1
65°	44.9	47.0	60.8	84.9	110.7	51.4	33.0	33.0	32.6	949.7
70°	31.7	33.1	42.5	56.3	76.3	38.4	24.7	24.7	23.6	973.3
75°	19.0	20.1	26.0	34.9	49.6	26.3	17.0	17.0	15.4	988.7
80°	8.8	9.4	12.7	18.2	27.0	15.2	9.8	9.8	8.3	997.0
85°	3.4	3.6	4.7	6.8	9.5	5.9	3.7	3.7	3.1	1000.0
90°	0.0	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	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	24.7	26.4	25.1	26.7	27.0	23.6	25.2	23.9	25.5	25.8
	3H	24.9	26.3	25.3	26.7	27.0	23.8	25.3	24.2	25.6	26.0
	4H	25.0	26.3	25.3	26.6	27.0	23.9	25.3	24.3	25.6	26.0
	6H	25.0	26.2	25.4	26.6	26.9	23.9	25.2	24.4	25.6	26.0
	8H	25.0	26.1	25.4	26.5	26.9	23.9	25.2	24.3	25.6	26.0
	12H	25.0	26.0	25.4	26.4	26.9	23.9	25.1	24.3	25.5	25.9
4H	2H	25.1	26.5	25.5	26.8	27.2	24.3	25.6	24.7	26.0	26.3
	3H	25.4	26.5	25.8	26.9	27.3	25.0	26.1	25.4	26.5	26.9
	4H	25.5	26.5	25.9	26.9	27.3	25.2	26.3	25.7	26.7	27.1
	6H	25.5	26.4	26.0	26.8	27.3	25.4	26.3	25.8	26.7	27.1
	8H	25.5	26.3	26.0	26.8	27.3	25.4	26.2	25.8	26.6	27.1
	12H	25.5	26.2	26.0	26.7	27.2	25.4	26.1	25.9	26.6	27.1
8H	4H	25.6	26.5	26.1	26.9	27.4	25.4	26.2	25.9	26.7	27.2
	6H	25.7	26.4	26.2	26.9	27.4	25.7	26.4	26.2	26.9	27.4
	8H	25.7	26.3	26.2	26.8	27.3	25.8	26.4	26.3	26.9	27.4
	12H	25.7	26.2	26.3	26.7	27.3	25.9	26.4	26.4	26.9	27.4
12H	4H	25.7	26.4	26.1	26.9	27.4	25.5	26.2	25.9	26.6	27.1
	6H	25.8	26.3	26.3	26.8	27.4	25.8	26.3	26.3	26.8	27.3
	8H	25.8	26.3	26.3	26.8	27.3	25.9	26.4	26.4	26.9	27.4

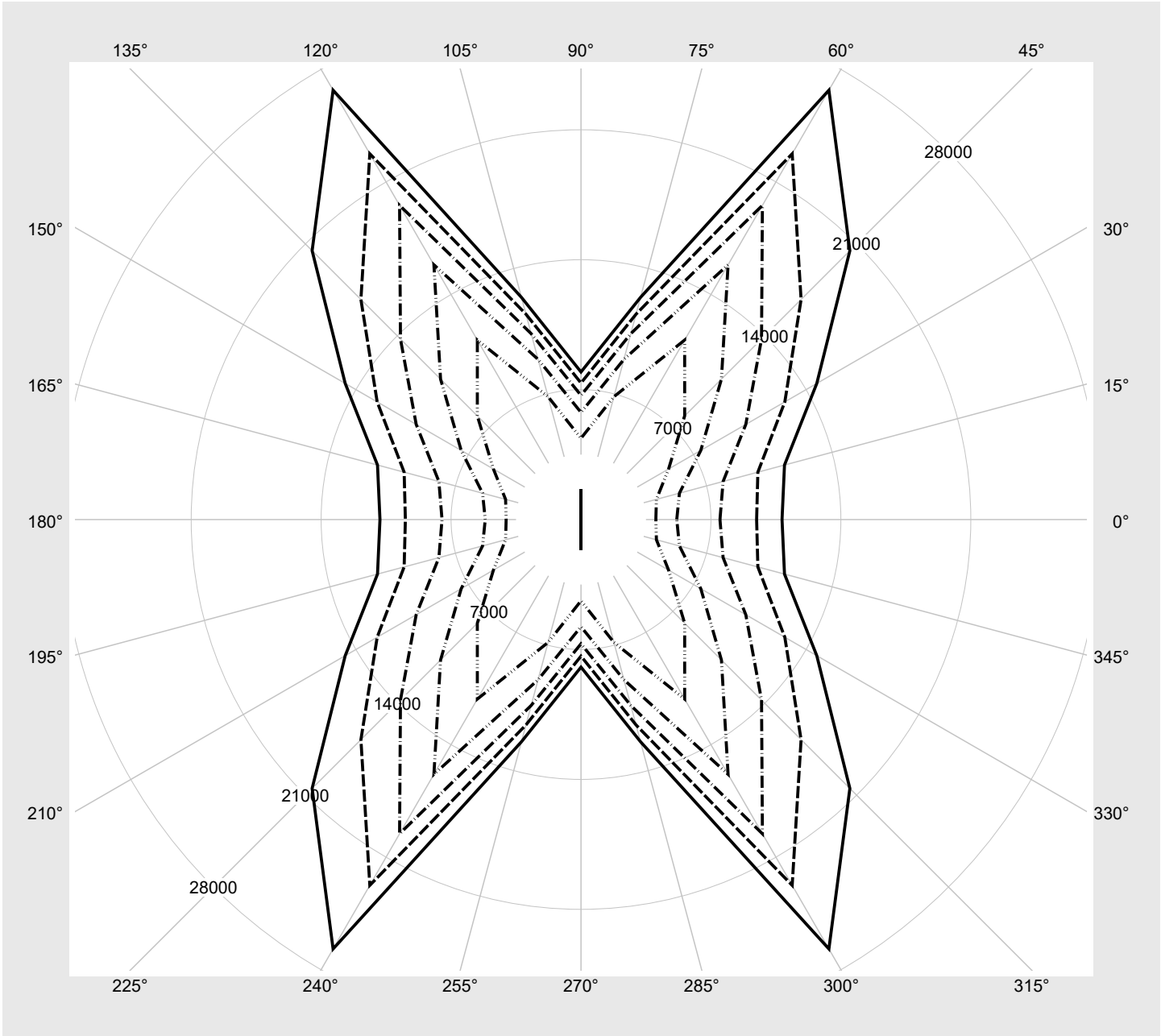
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500
			B = 58

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°		38737.4	43220.7	66182.8	87255.9	48153.1	17664.4	13147.6
50°		23643.5	26700.5	43860.4	66580.4	41131.3	15451.4	10940.6
55°		15169.1	16974.2	26879.4	43713.9	35495.9	14087.7	9432.0
60°		12090.5	12998.7	17945.7	28234.5	31131.7	13263.6	8585.5
65°		10830.4	11350.0	14668.1	20484.2	26710.8	12393.2	7950.7
70°		9461.5	9864.2	12679.7	16768.1	22754.7	11454.2	7357.8
75°		7486.8	7926.1	10251.8	13754.5	19547.1	10367.6	6693.1
80°		5159.1	5490.3	7453.0	10699.3	15847.8	8934.9	5774.4
85°		4032.3	4206.6	5448.9	7898.4	11168.0	6852.6	4379.7

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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	Power consumption
	1	2	3			end of lifetime [W]	average [W]
1	A	C	E	8870	49.9	60.5	55.2
2	A	C	F	8450	47.3	56.9	52.1
3	A	D	E	7946	44.4	53.4	48.9
4	A	D	F	7442	41.4	49.5	45.4
5	B	C	E	6928	38.4	45.6	42.0
6	B	C	F	6414	35.3	42.2	38.8
7	B	D	E	5962	32.8	39.2	36.0
8	B	D	F	5437	29.9	35.3	32.6