

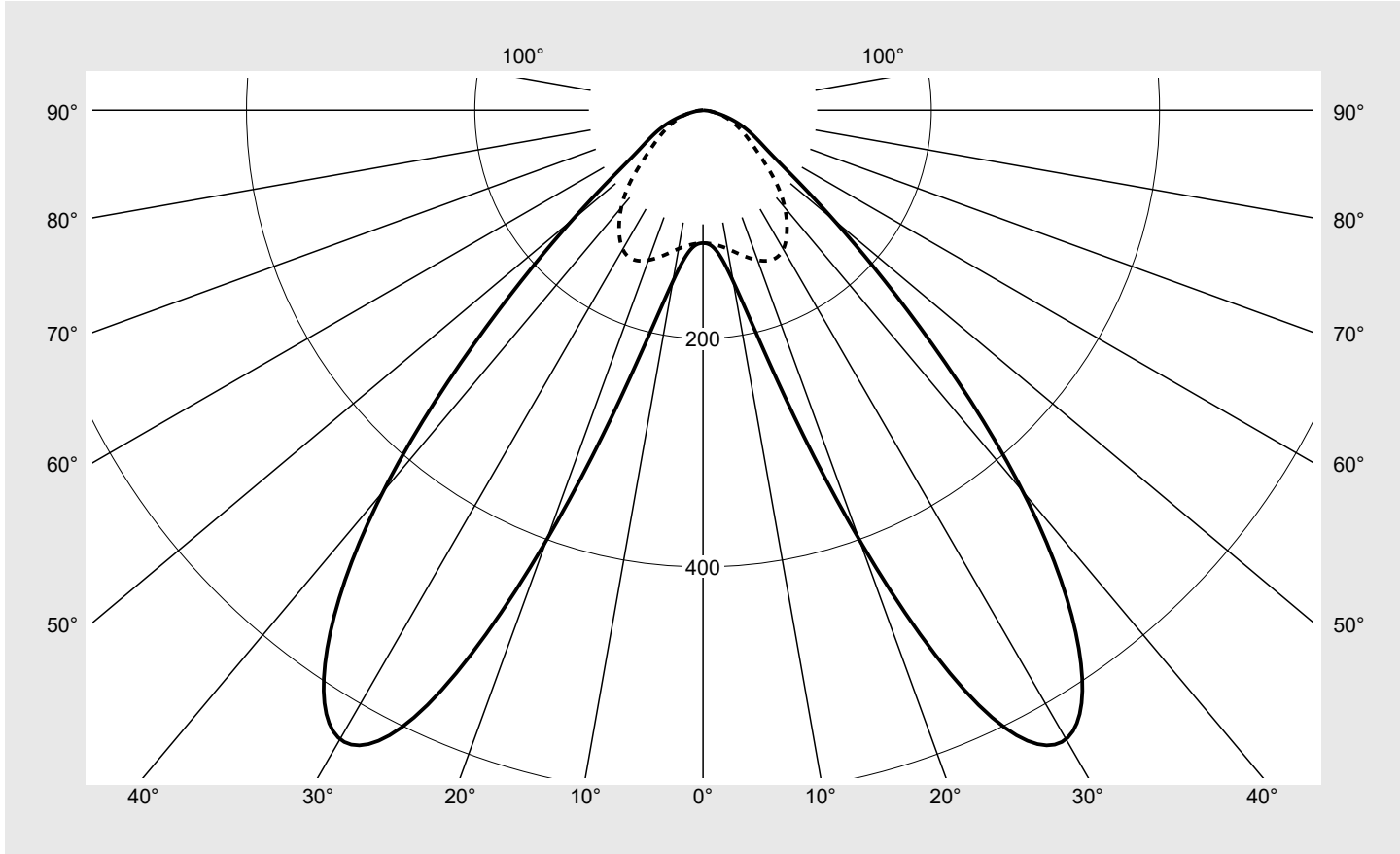


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL19CN185G EAN: 4069025012685	LP number 58532_439
	Version cover frosted, double asymmetric distribution Lamps LED 3500 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 8590 lm Power consumption = 49.9 W Luminous efficacy = 172.2 lm/W	serial documentation 20.12.2023
		

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		

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°	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	5.7	6.4
10°	152.3	149.6	141.1	133.1	127.4	124.1	123.2	12.9	19.3
15°	235.7	226.2	196.7	164.2	142.2	133.3	131.4	24.7	44.1
20°	400.4	377.8	306.4	227.1	167.8	143.8	139.7	46.6	90.7
25°	577.7	557.7	476.8	343.4	212.9	153.0	144.3	81.3	172.0
30°	636.1	636.8	610.4	517.3	280.0	157.9	140.6	118.3	290.3
35°	573.7	597.7	662.3	665.7	347.9	155.6	128.2	145.7	436.0
40°	436.2	470.5	613.4	703.5	376.1	144.6	111.4	151.6	587.6
45°	268.7	299.8	459.0	605.2	334.0	122.5	91.2	129.2	716.8
50°	149.1	168.3	276.5	419.8	259.3	97.4	69.0	93.1	809.9
55°	85.3	95.5	151.2	245.9	199.7	79.3	53.1	62.9	872.9
60°	59.3	63.7	88.0	138.5	152.7	65.0	42.1	44.2	917.1
65°	44.9	47.0	60.8	84.9	110.7	51.4	33.0	32.6	949.7
70°	31.7	33.1	42.5	56.3	76.3	38.4	24.7	23.6	973.3
75°	19.0	20.1	26.0	34.9	49.6	26.3	17.0	15.4	988.7
80°	8.8	9.4	12.7	18.2	27.0	15.2	9.8	8.3	997.0
85°	3.4	3.6	4.7	6.8	9.5	5.9	3.7	3.1	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	24.6	26.2	25.0	26.6	26.9	23.5	25.1	23.8	25.4	25.7
	3H	24.8	26.2	25.2	26.6	26.9	23.7	25.2	24.1	25.5	25.9
	4H	24.8	26.2	25.2	26.5	26.9	23.8	25.2	24.2	25.5	25.9
	6H	24.9	26.1	25.3	26.4	26.8	23.8	25.1	24.2	25.5	25.9
	8H	24.9	26.0	25.3	26.4	26.8	23.8	25.1	24.2	25.4	25.8
	12H	24.9	25.9	25.3	26.3	26.7	23.8	25.0	24.2	25.4	25.8
4H	2H	25.0	26.4	25.4	26.7	27.1	24.2	25.5	24.6	25.8	26.2
	3H	25.3	26.4	25.7	26.8	27.2	24.9	26.0	25.3	26.4	26.8
	4H	25.4	26.4	25.8	26.8	27.2	25.1	26.2	25.6	26.6	27.0
	6H	25.4	26.3	25.9	26.7	27.2	25.3	26.1	25.7	26.6	27.0
	8H	25.4	26.2	25.9	26.7	27.1	25.3	26.1	25.7	26.5	27.0
	12H	25.4	26.1	25.9	26.6	27.1	25.3	26.0	25.7	26.5	27.0
8H	4H	25.5	26.4	26.0	26.8	27.3	25.3	26.1	25.8	26.6	27.1
	6H	25.6	26.3	26.1	26.8	27.3	25.6	26.3	26.1	26.8	27.3
	8H	25.6	26.2	26.1	26.7	27.2	25.7	26.3	26.2	26.8	27.3
	12H	25.6	26.1	26.2	26.6	27.2	25.7	26.3	26.3	26.8	27.3
12H	4H	25.5	26.3	26.0	26.8	27.2	25.3	26.0	25.8	26.5	27.0
	6H	25.6	26.2	26.1	26.7	27.2	25.7	26.2	26.2	26.7	27.2
	8H	25.7	26.2	26.2	26.7	27.2	25.8	26.3	26.3	26.8	27.3

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°		37514.6	41856.3	64093.6	84501.4	46633.0	17106.8	12732.6	
50°		22897.2	25857.6	42475.9	64478.6	39832.9	14963.6	10595.2	
55°		14690.3	16438.4	26030.9	42334.0	34375.4	13643.0	9134.3	
60°		11708.9	12588.4	17379.2	27343.3	30148.9	12844.9	8314.5	
65°		10488.5	10991.7	14205.1	19837.6	25867.6	12002.0	7699.7	
70°		9162.8	9552.8	12279.4	16238.7	22036.4	11092.7	7125.6	
75°		7250.5	7675.9	9928.2	13320.3	18930.1	10040.3	6481.8	
80°		4996.3	5316.9	7217.8	10361.5	15347.5	8652.9	5592.1	
85°		3905.0	4073.8	5276.9	7649.1	10815.5	6636.3	4241.4	

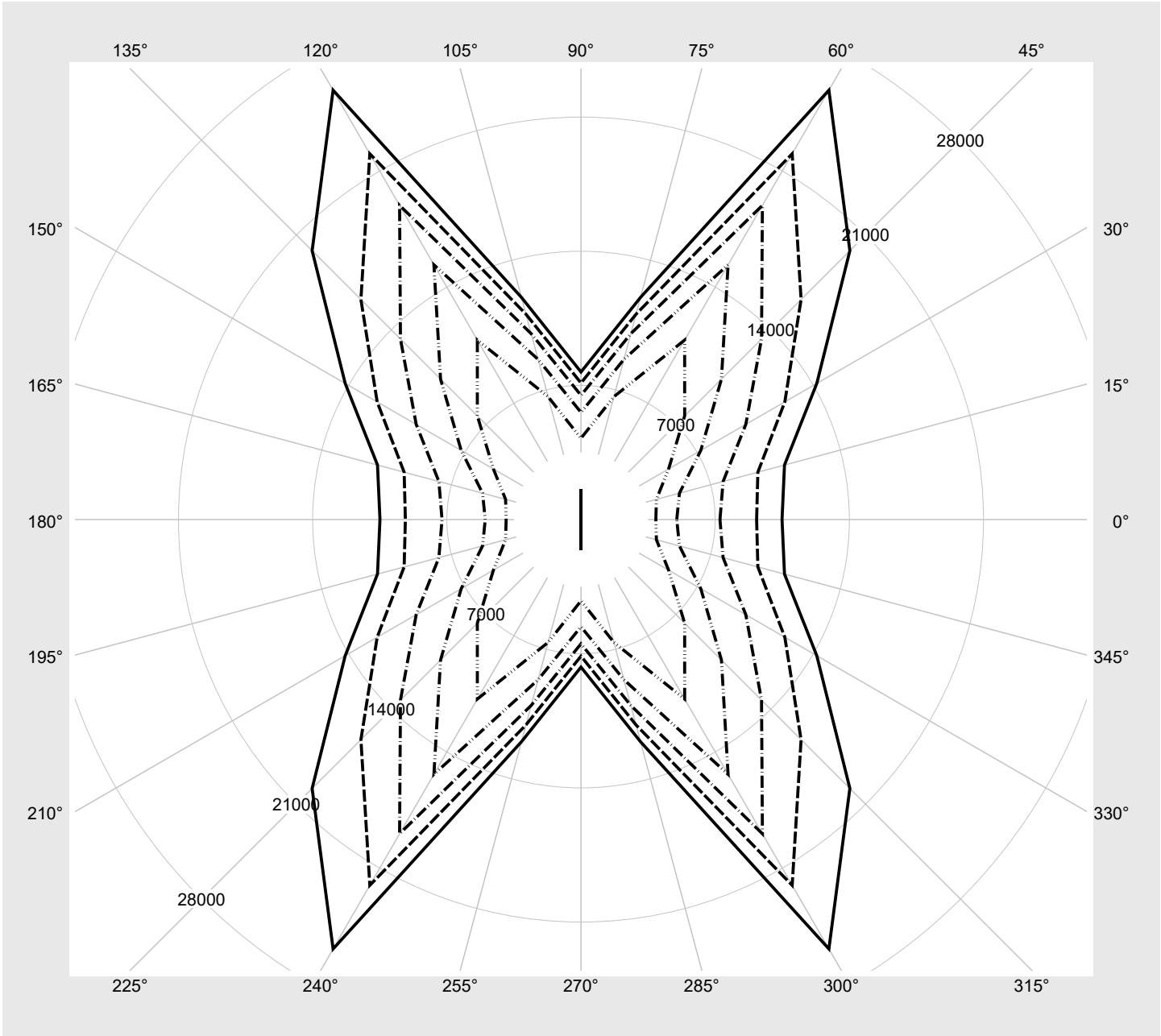
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Luminance values in cd/m²

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	8590	49.9	60.5	55.2
2	A	C	F	8180	47.3	56.9	52.1
3	A	D	E	7700	44.4	53.4	48.9
4	A	D	F	7210	41.4	49.5	45.4
5	B	C	E	6710	38.4	45.6	42.0
6	B	C	F	6210	35.3	42.2	38.8
7	B	D	E	5780	32.8	39.2	36.0
8	B	D	F	5270	29.9	35.3	32.6