

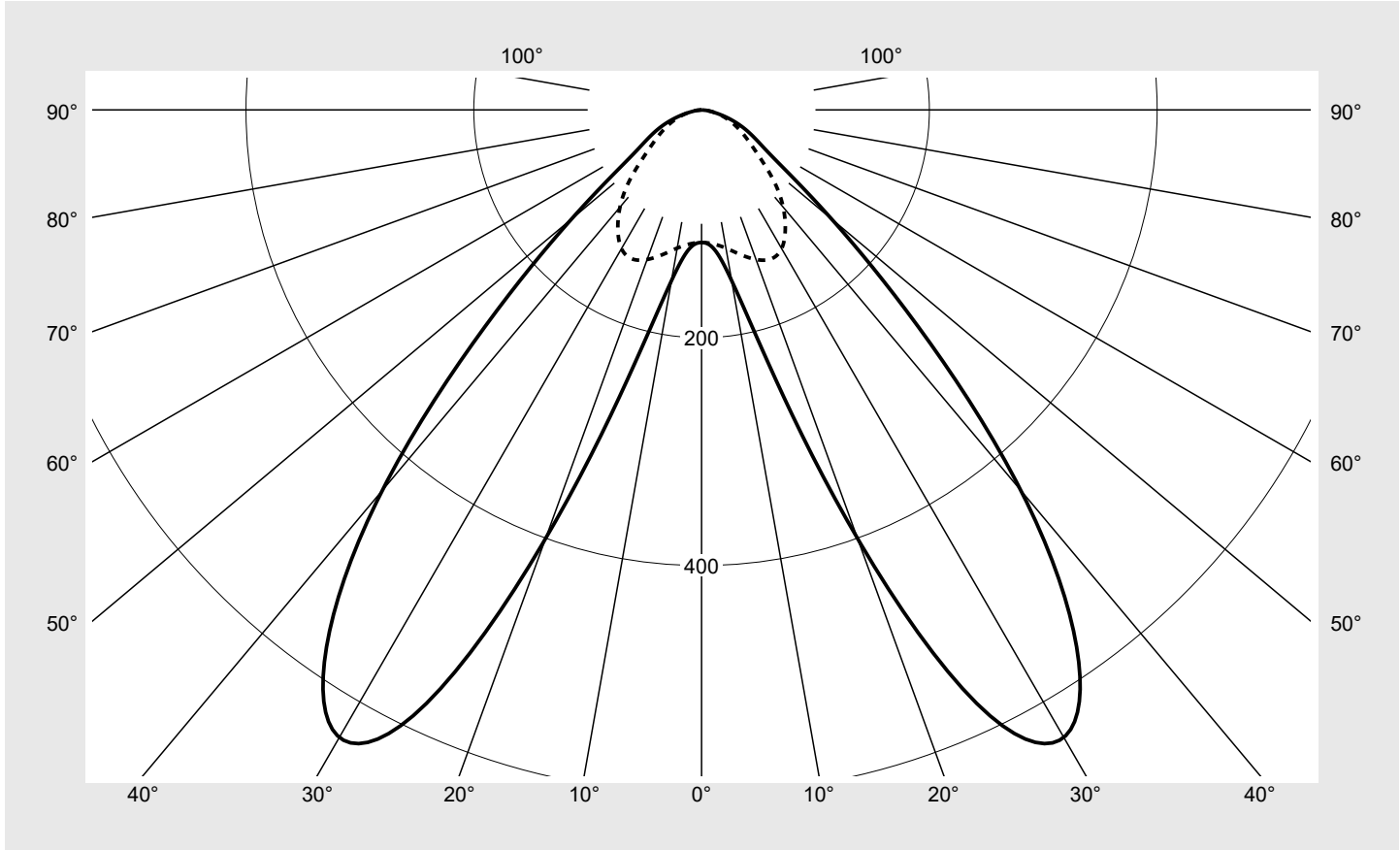


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL19MN1AXG EAN: 4058352032305	LP number 58532_438
	Version cover frosted, double asymmetric distribution Lamps LED 3500 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 10200 lm Power consumption = 60.5 W Luminous efficacy = 168.6 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
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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	25.2	26.8	25.6	27.1	27.5	24.0	25.7	24.4	26.0	26.3
	3H	25.4	26.8	25.8	27.2	27.5	24.3	25.8	24.7	26.1	26.5
	4H	25.4	26.8	25.8	27.1	27.5	24.4	25.8	24.8	26.1	26.5
	6H	25.5	26.7	25.9	27.0	27.4	24.4	25.7	24.8	26.1	26.5
	8H	25.5	26.6	25.9	27.0	27.4	24.4	25.7	24.8	26.0	26.4
	12H	25.5	26.5	25.9	26.9	27.3	24.4	25.6	24.8	26.0	26.4
4H	2H	25.6	27.0	26.0	27.3	27.7	24.8	26.1	25.2	26.4	26.8
	3H	25.9	27.0	26.3	27.4	27.8	25.5	26.6	25.9	27.0	27.4
	4H	26.0	27.0	26.4	27.4	27.8	25.7	26.7	26.2	27.2	27.6
	6H	26.0	26.9	26.5	27.3	27.8	25.8	26.7	26.3	27.2	27.6
	8H	26.0	26.8	26.5	27.3	27.7	25.9	26.7	26.3	27.1	27.6
	12H	26.0	26.7	26.5	27.2	27.7	25.9	26.6	26.3	27.1	27.6
8H	4H	26.1	27.0	26.6	27.4	27.9	25.9	26.7	26.4	27.2	27.6
	6H	26.2	26.9	26.7	27.3	27.9	26.2	26.9	26.7	27.4	27.9
	8H	26.2	26.8	26.7	27.3	27.8	26.3	26.9	26.8	27.4	27.9
	12H	26.2	26.7	26.7	27.2	27.8	26.3	26.9	26.9	27.4	27.9
12H	4H	26.1	26.9	26.6	27.4	27.8	25.9	26.6	26.4	27.1	27.6
	6H	26.2	26.8	26.7	27.3	27.8	26.3	26.8	26.8	27.3	27.8
	8H	26.3	26.8	26.8	27.3	27.8	26.4	26.9	26.9	27.4	27.9

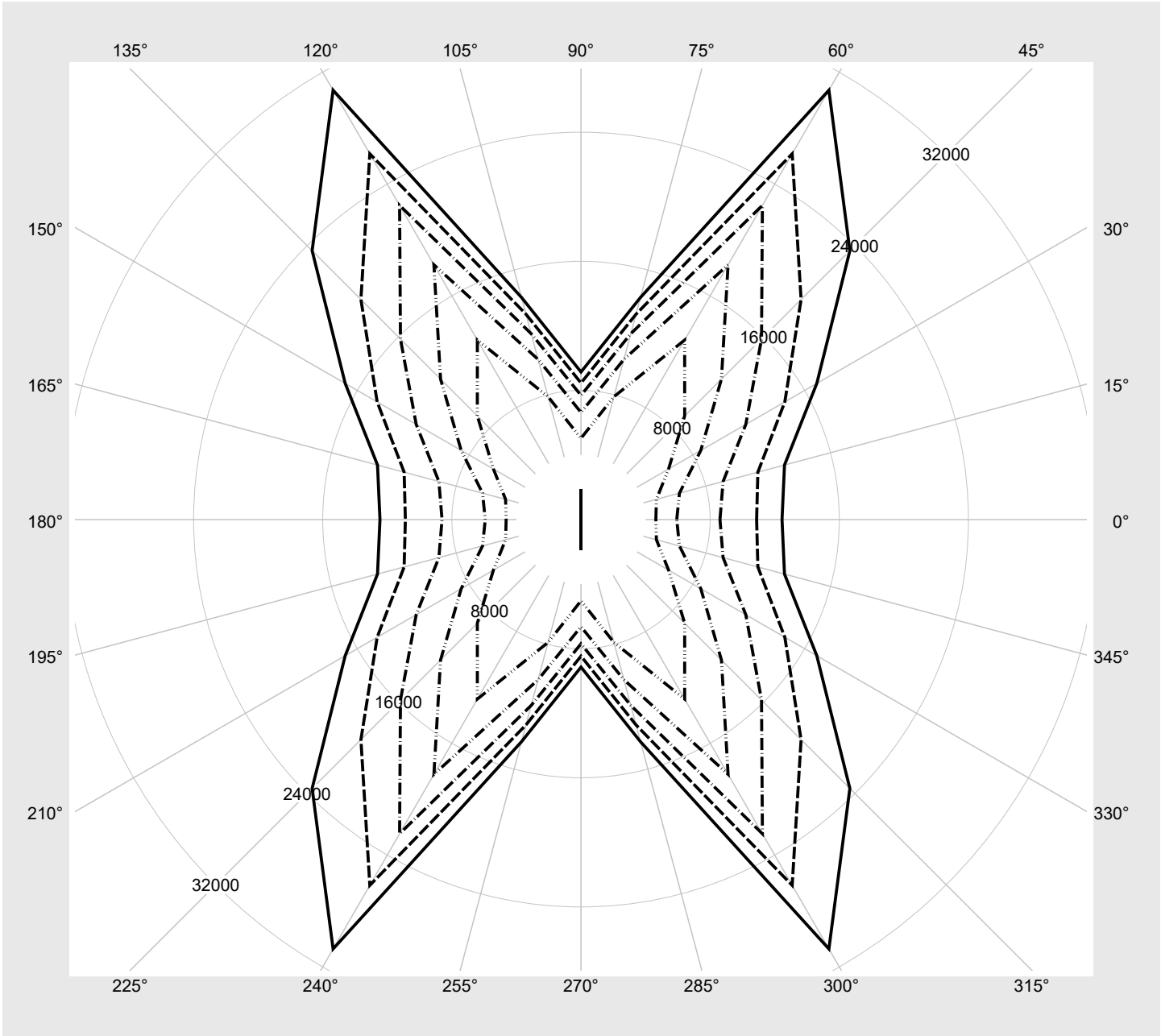
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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C-planes	γ	0° 180°	15°	30°	45°	60°	75°	90° 270°
			165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°	
Luminance in cd/m²								
45°		44545.8	49701.3	76106.5	100339.3	55373.3	20313.0	15119.0
50°		27188.7	30704.0	50437.0	76563.7	47298.7	17768.2	12581.1
55°		17443.6	19519.4	30909.8	50268.5	40818.3	16200.0	10846.3
60°		13903.4	14947.8	20636.6	32468.1	35799.7	15252.4	9872.9
65°		12454.3	13051.9	16867.5	23555.7	30715.9	14251.5	9142.8
70°		10880.2	11343.3	14581.0	19282.3	26166.6	13171.7	8461.1
75°		8609.5	9114.5	11789.0	15816.9	22478.1	11922.1	7696.7
80°		5932.7	6313.5	8570.6	12303.6	18224.1	10274.7	6640.3
85°		4636.9	4837.3	6265.9	9082.7	12842.6	7880.1	5036.4

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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]
	1	2	3		
1	A	C	E	10200	60.5
2	A	C	F	9601	56.5
3	A	D	E	9139	53.4
4	A	D	F	8666	50.3
5	B	C	E	8183	47.3
6	B	C	F	7700	44.4
7	B	D	E	7217	41.4
8	B	D	F	6712	38.4