
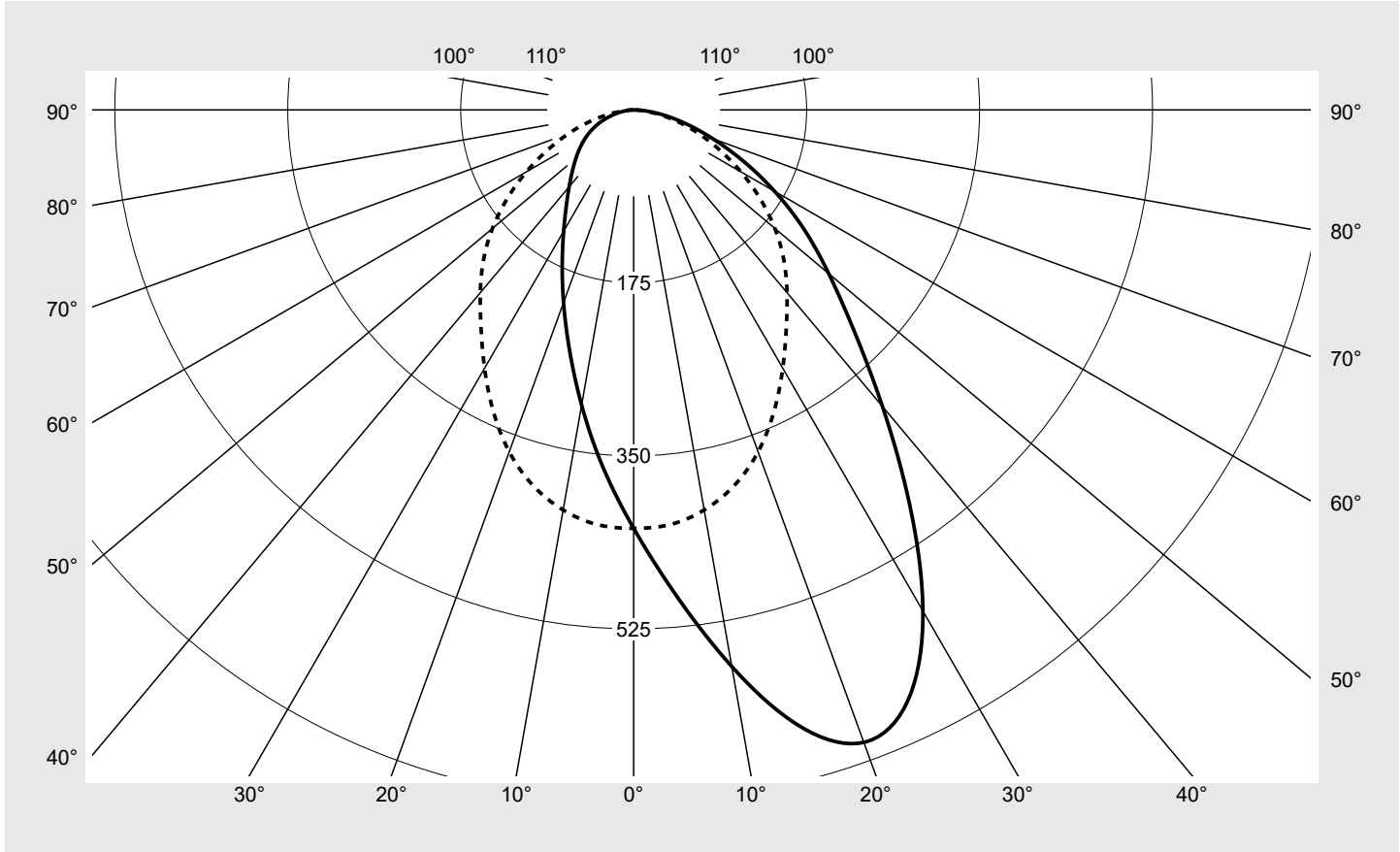


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL14MN4AXG EAN: 4058352891247	LP number 58683_316
	Version cover frosted, asymmetric distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 10120 lm Power consumption = 60.5 W Luminous efficacy = 167.3 lm/W	serial documentation 24.08.2023
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 681 cd/klm**



Classifications	
DIN 5040	A 4 0
CIE	N1=56 N2=84 N3=97 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	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
γ	Luminous intensity in cd/klm						
0°	423.3	423.3	423.3	423.3	423.3	423.3	423.3
5°	492.9	491.4	480.7	469.8	456.1	438.7	421.2
10°	571.7	566.6	544.9	518.0	484.6	447.0	411.0
15°	644.7	637.1	605.9	562.5	507.2	447.4	393.4
20°	680.9	674.8	644.8	594.0	519.7	438.2	368.1
25°	657.9	657.6	642.1	600.0	518.2	419.3	336.2
30°	585.4	591.2	594.0	574.0	501.7	394.4	301.7
35°	486.6	496.5	513.6	518.9	472.6	367.8	269.2
40°	391.6	400.9	423.7	447.6	435.3	342.4	241.4
45°	315.0	320.7	340.1	373.0	389.0	312.9	214.9
50°	257.7	259.4	273.6	305.9	334.9	275.1	186.5
55°	210.4	209.0	219.8	247.0	276.4	230.5	156.0
60°	164.7	163.2	172.4	194.6	218.3	183.7	125.4
65°	122.2	121.6	130.0	147.7	165.1	139.3	96.1
70°	85.2	85.7	92.4	106.6	118.3	100.1	70.2
75°	55.7	56.1	61.0	71.1	77.9	65.9	46.5
80°	31.6	31.9	35.4	40.3	43.4	36.3	25.7
85°	13.1	12.9	14.6	16.5	16.2	13.2	9.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C-planes	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm						Luminous flux in lm/klm	
0°	423.3	423.3	423.3	423.3	423.3	423.3	2.5	2.5
5°	404.2	389.5	375.7	365.6	362.1	361.8	20.2	22.8
10°	378.5	351.6	328.9	312.6	305.3	303.2	40.3	63.1
15°	347.6	311.7	283.3	263.5	254.2	251.1	59.8	123.0
20°	312.8	271.7	241.2	220.7	211.0	207.4	77.2	200.1
25°	275.0	232.7	202.9	183.7	174.4	171.0	89.9	290.0
30°	237.7	196.9	169.7	152.6	144.6	141.7	96.4	386.5
35°	204.1	165.0	141.0	127.0	121.0	118.9	96.9	483.4
40°	176.0	138.8	117.2	106.8	102.8	101.6	93.4	576.7
45°	151.3	116.9	98.0	90.5	88.3	87.8	87.1	663.9
50°	128.6	98.3	82.7	77.4	76.2	76.3	79.3	743.1
55°	107.1	82.4	69.7	65.9	65.5	66.0	69.9	813.0
60°	87.0	68.0	58.3	55.3	55.4	56.0	59.0	872.0
65°	68.6	55.0	47.7	45.3	45.4	45.9	47.4	919.5
70°	51.6	42.4	37.2	35.1	35.2	35.4	35.8	955.3
75°	35.3	29.8	26.5	24.5	24.4	24.5	24.7	980.0
80°	20.2	17.6	15.6	14.5	14.4	14.5	14.3	994.3
85°	7.8	7.1	6.7	6.2	6.2	6.3	5.7	1000.0
90°	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	1000.0

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UGR-Table		Standard room									
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	26.4	28.0	26.8	28.3	28.7	25.0	26.6	25.4	26.9	27.3
	3H	27.4	28.8	27.8	29.2	29.5	26.2	27.6	26.5	27.9	28.3
	4H	27.8	29.1	28.2	29.5	29.8	26.6	27.9	27.0	28.3	28.6
	6H	28.0	29.3	28.4	29.6	30.0	26.8	28.1	27.3	28.4	28.8
	8H	28.1	29.3	28.5	29.7	30.1	26.9	28.1	27.3	28.5	28.9
	12H	28.2	29.3	28.6	29.7	30.1	27.0	28.1	27.4	28.5	28.9
4H	2H	27.2	28.5	27.6	28.9	29.2	25.7	27.0	26.0	27.4	27.7
	3H	28.3	29.4	28.7	29.8	30.2	27.0	28.2	27.5	28.6	29.0
	4H	28.8	29.8	29.2	30.2	30.6	27.6	28.6	28.0	29.0	29.5
	6H	29.1	30.0	29.5	30.4	30.9	28.0	28.9	28.4	29.3	29.8
	8H	29.2	30.0	29.7	30.5	30.9	28.1	28.9	28.6	29.3	29.8
	12H	29.3	30.0	29.8	30.5	31.0	28.2	28.9	28.7	29.3	29.8
8H	4H	29.1	29.9	29.6	30.3	30.8	27.8	28.7	28.3	29.1	29.6
	6H	29.5	30.2	30.0	30.7	31.2	28.4	29.0	28.8	29.5	30.0
	8H	29.7	30.3	30.2	30.7	31.3	28.5	29.1	29.0	29.6	30.1
	12H	29.8	30.3	30.3	30.8	31.3	28.6	29.1	29.1	29.6	30.2
12H	4H	29.1	29.8	29.6	30.3	30.8	27.9	28.6	28.4	29.0	29.5
	6H	29.6	30.2	30.1	30.7	31.2	28.4	29.0	28.9	29.5	30.0
	8H	29.8	30.3	30.3	30.8	31.3	28.6	29.1	29.1	29.6	30.1

Luminance table		Max. for $\gamma \geq 65^\circ$											
		Photometric dimensions in mm: L = 1500 B = 58											
C-planes	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°
γ	Luminance in cd/m ²												
45°	51812.6	52749.0	55953.4	61363.6	63985.4	51479.7	35353.2	24897.0	19226.9	16114.0	14892.5	14529.3	14436.7
50°	46627.7	46936.8	49511.9	55348.9	60613.7	49775.2	33751.9	23279.5	17796.1	14958.9	13998.7	13796.0	13809.8
55°	42660.0	42390.7	44571.2	50086.6	56063.5	46738.9	31629.4	21727.7	16706.1	14134.6	13370.1	13285.5	13393.2
60°	38314.3	37976.1	40109.4	45273.9	50791.5	42728.5	29162.6	20232.8	15814.2	13554.3	12875.9	12880.3	13036.4
65°	33631.7	33457.7	35772.8	40647.0	45434.3	38332.0	26456.4	18878.8	15150.1	13121.8	12474.5	12493.5	12645.1
70°	28969.6	29161.1	31432.6	36265.8	40223.6	34050.4	23873.8	17543.5	14413.9	12663.0	11920.9	11968.2	12024.0
75°	25042.0	25212.7	27398.3	31946.6	35007.7	29627.1	20917.5	15869.5	13413.8	11890.2	10991.8	10966.2	10994.5
80°	21200.1	21386.3	23695.3	27017.2	29042.2	24309.6	17234.4	13540.1	11795.1	10439.3	9739.9	9672.3	9727.2
85°	17473.2	17278.3	19431.1	21972.2	21601.2	17582.6	12189.3	10424.9	9513.3	8879.4	8340.2	8297.5	8373.6

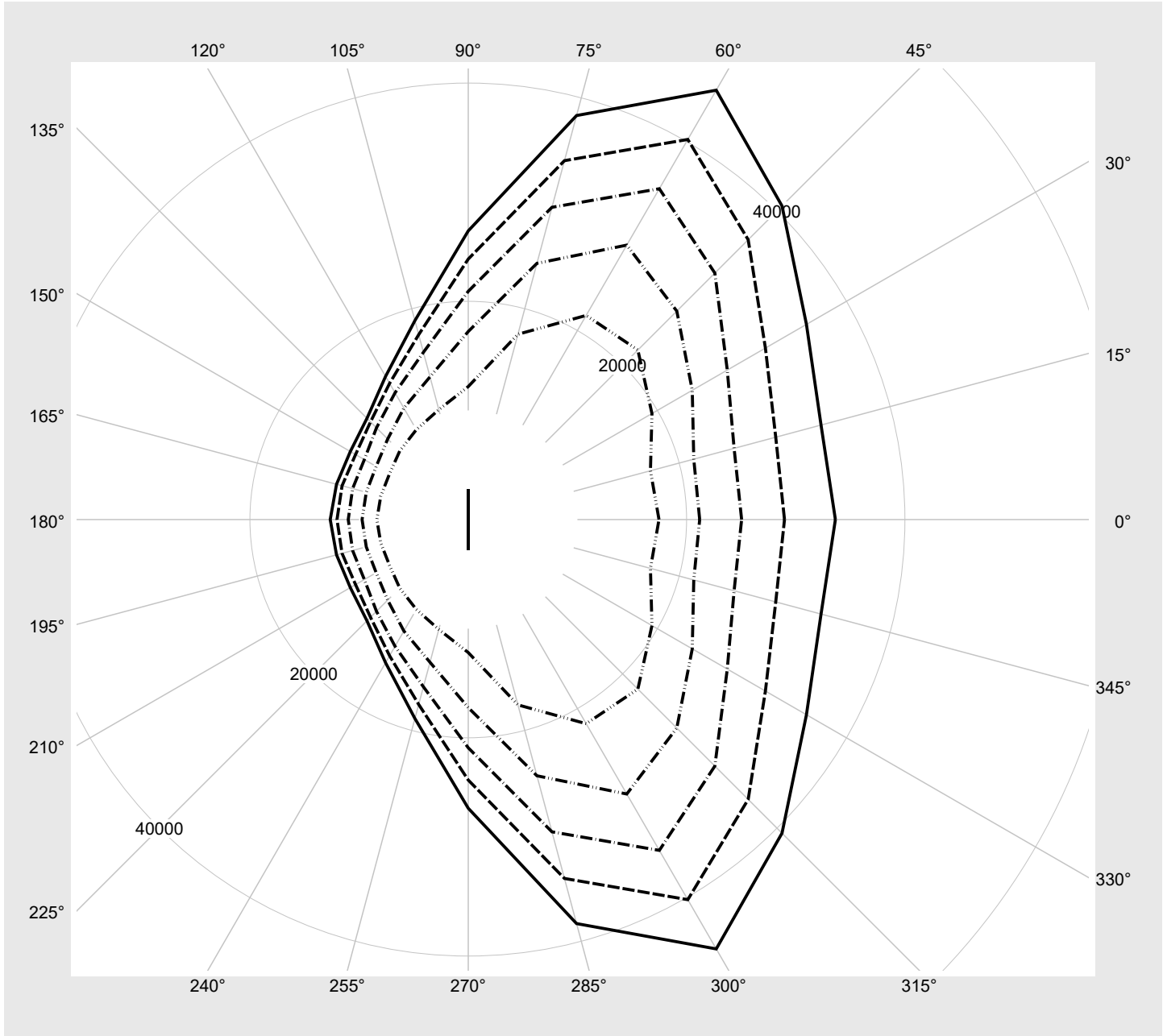
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Luminance values in cd/m²

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]
	1	2	3		
1	A	C	E	10120	60.5
2	A	C	F	9532	56.5
3	A	D	E	9070	53.4
4	A	D	F	8598	50.3
5	B	C	E	8125	47.3
6	B	C	F	7642	44.4
7	B	D	E	7160	41.4
8	B	D	F	6666	38.4