

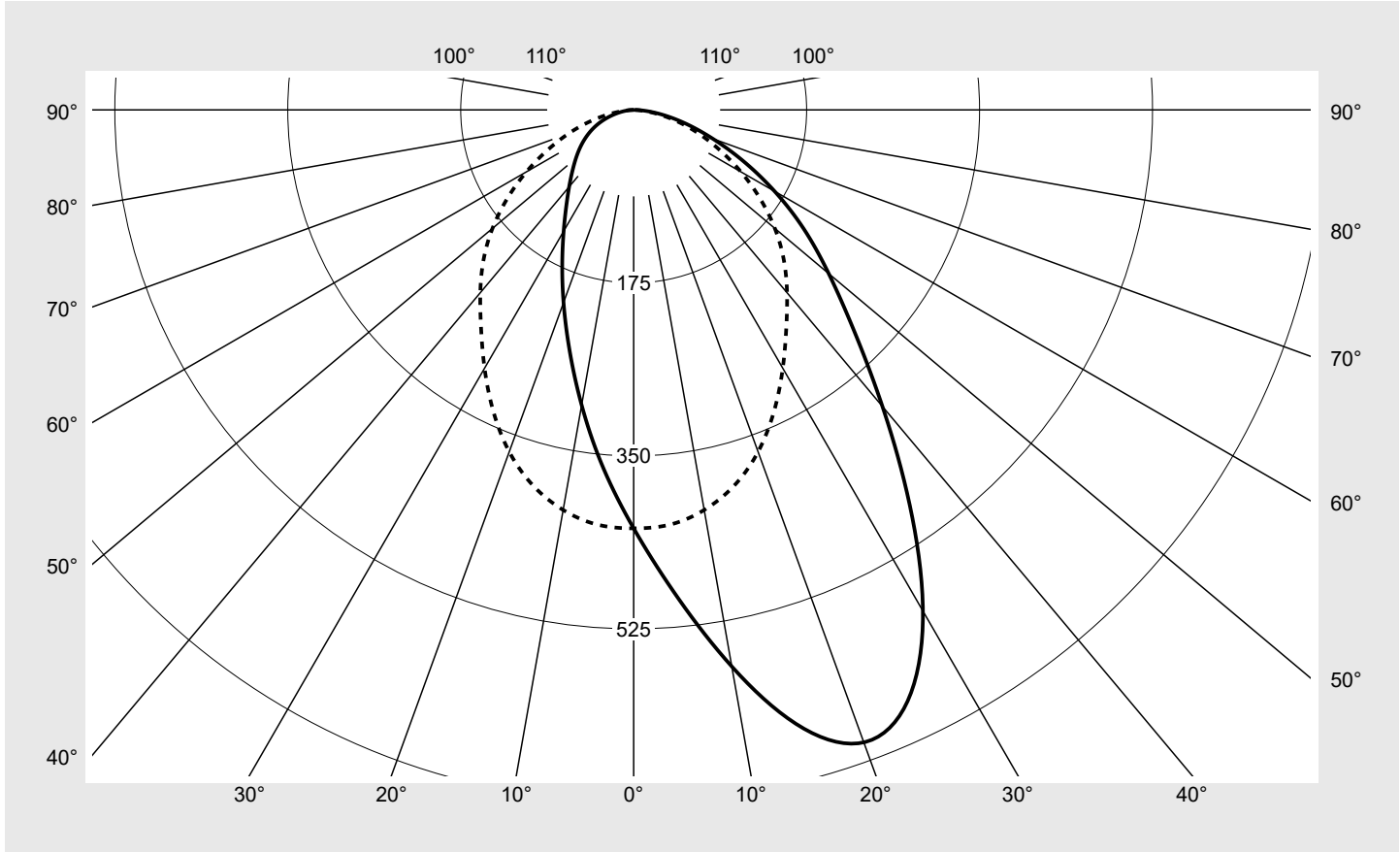


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL14DE445G EAN: 4058352929742	LP number 58683_321
	Version cover frosted, asymmetric distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 4710 lm Power consumption = 29.6 W Luminous efficacy = 159.1 lm/W	serial documentation 21.09.2023
		

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	siteco
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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	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	26.2	27.8	26.5	28.1	28.4	24.8	26.4	25.1	26.7	27.0
	3H	27.2	28.6	27.5	28.9	29.3	25.9	27.4	26.3	27.7	28.0
	4H	27.5	28.9	27.9	29.2	29.6	26.3	27.7	26.7	28.0	28.4
	6H	27.8	29.0	28.2	29.4	29.8	26.6	27.8	27.0	28.2	28.6
	8H	27.9	29.0	28.3	29.4	29.8	26.7	27.8	27.1	28.2	28.6
	12H	27.9	29.0	28.4	29.4	29.8	26.7	27.8	27.2	28.2	28.6
4H	2H	26.9	28.3	27.3	28.6	29.0	25.4	26.8	25.8	27.1	27.5
	3H	28.1	29.2	28.5	29.6	30.0	26.8	27.9	27.2	28.3	28.7
	4H	28.5	29.5	28.9	29.9	30.4	27.4	28.4	27.8	28.8	29.2
	6H	28.8	29.7	29.3	30.2	30.6	27.7	28.6	28.2	29.0	29.5
	8H	28.9	29.8	29.4	30.2	30.7	27.8	28.6	28.3	29.1	29.6
	12H	29.0	29.8	29.5	30.2	30.7	27.9	28.6	28.4	29.1	29.6
8H	4H	28.8	29.6	29.3	30.1	30.6	27.6	28.4	28.1	28.9	29.3
	6H	29.3	29.9	29.8	30.4	30.9	28.1	28.8	28.6	29.2	29.7
	8H	29.4	30.0	29.9	30.5	31.0	28.3	28.9	28.8	29.3	29.9
	12H	29.5	30.0	30.1	30.5	31.1	28.4	28.9	28.9	29.4	29.9
12H	4H	28.9	29.6	29.4	30.1	30.5	27.6	28.3	28.1	28.8	29.3
	6H	29.4	29.9	29.9	30.4	30.9	28.2	28.7	28.7	29.2	29.7
	8H	29.5	30.0	30.1	30.5	31.1	28.4	28.9	28.9	29.3	29.9

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 750
			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°	48228.8	49100.4	52083.1	57119.1	59559.6	47918.8	32907.8	23174.9	17897.0	14999.4	13862.4	13524.3	13438.1
50°	43402.5	43690.2	46087.2	51520.5	56421.1	46332.3	31417.3	21669.2	16565.1	13924.2	13030.4	12841.8	12854.6
55°	39709.2	39458.5	41488.2	46622.1	52185.6	43506.0	29441.6	20224.8	15550.6	13156.9	12445.3	12366.5	12466.8
60°	35664.1	35349.3	37335.0	42142.3	47278.2	39773.0	27145.4	18833.3	14720.3	12616.7	11985.3	11989.4	12134.7
65°	31305.4	31143.5	33298.4	37835.5	42291.6	35680.6	24626.4	17572.9	14102.2	12214.2	11611.6	11629.3	11770.5
70°	26965.7	27144.0	29258.4	33757.3	37441.3	31695.1	22222.5	16330.0	13416.9	11787.1	11096.4	11140.4	11192.3
75°	23309.8	23468.8	25503.2	29736.9	32586.2	27577.8	19470.7	14771.8	12485.9	11067.8	10231.5	10207.6	10234.0
80°	19733.7	19907.0	22056.3	25148.4	27033.4	22628.1	16042.3	12603.5	10979.2	9717.2	9066.2	9003.2	9054.4
85°	16264.5	16083.2	18087.0	20452.4	20107.0	16366.4	11346.2	9703.8	8855.3	8265.2	7763.3	7723.5	7794.4

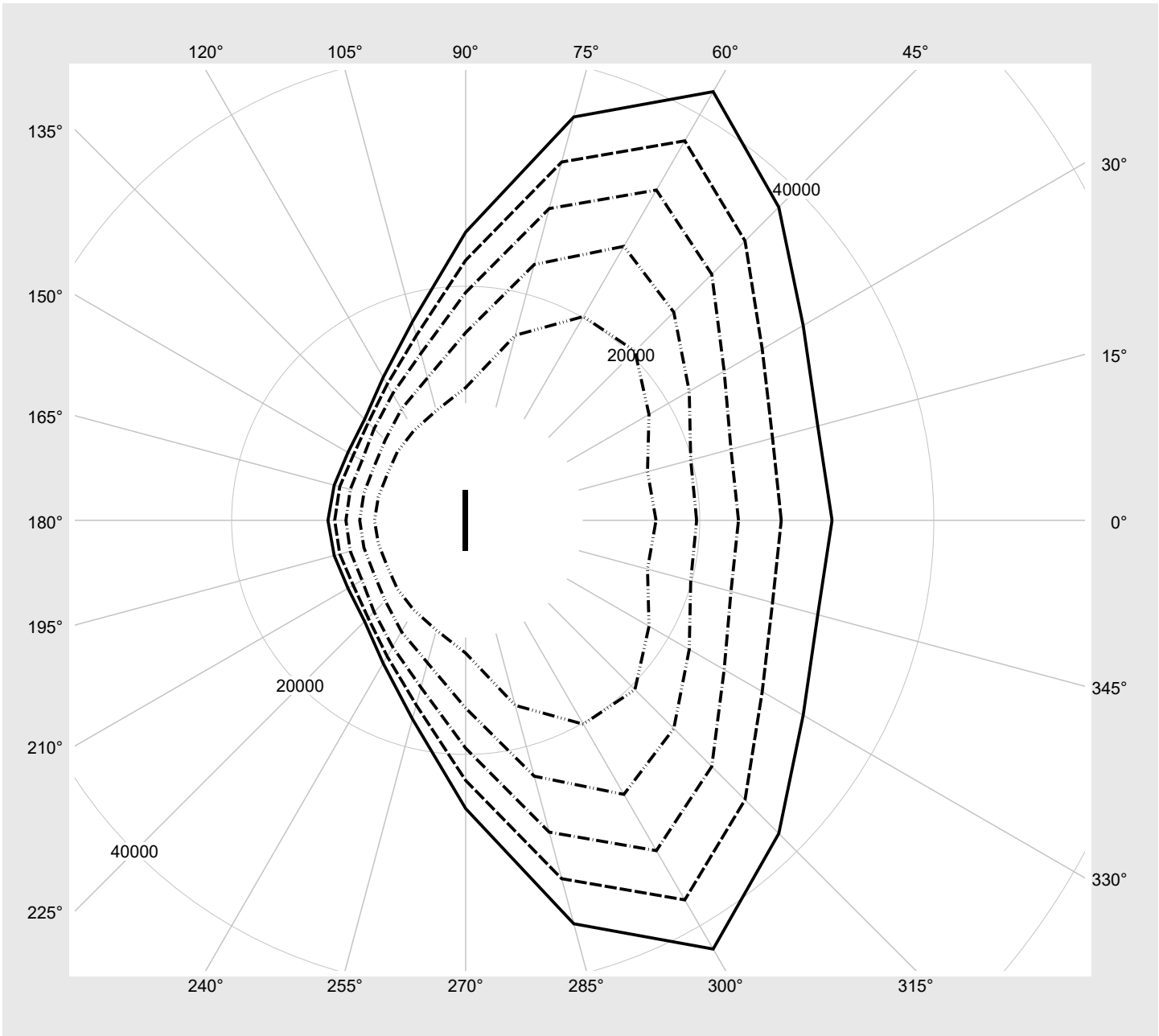
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	4710	29.6
95	240	252	4473	28.0
90	226	250	4231	26.3
85	213	248	4005	24.8
80	199	245	3761	23.2
75	186	243	3531	21.7
70	173	240	3299	20.1
65	160	237	3066	18.6
60	147	234	2829	17.1
55	134	231	2590	15.6
50	121	227	2348	14.3
45	109	223	2124	13.1
40	96	218	1878	11.7
35	84	213	1651	10.4
30	72	208	1421	9.1
25	60	201	1187	7.7
20	47	192	934	6.1
15	35	181	698	4.8
10	24	168	479	3.4
8	18	157	358	2.7