

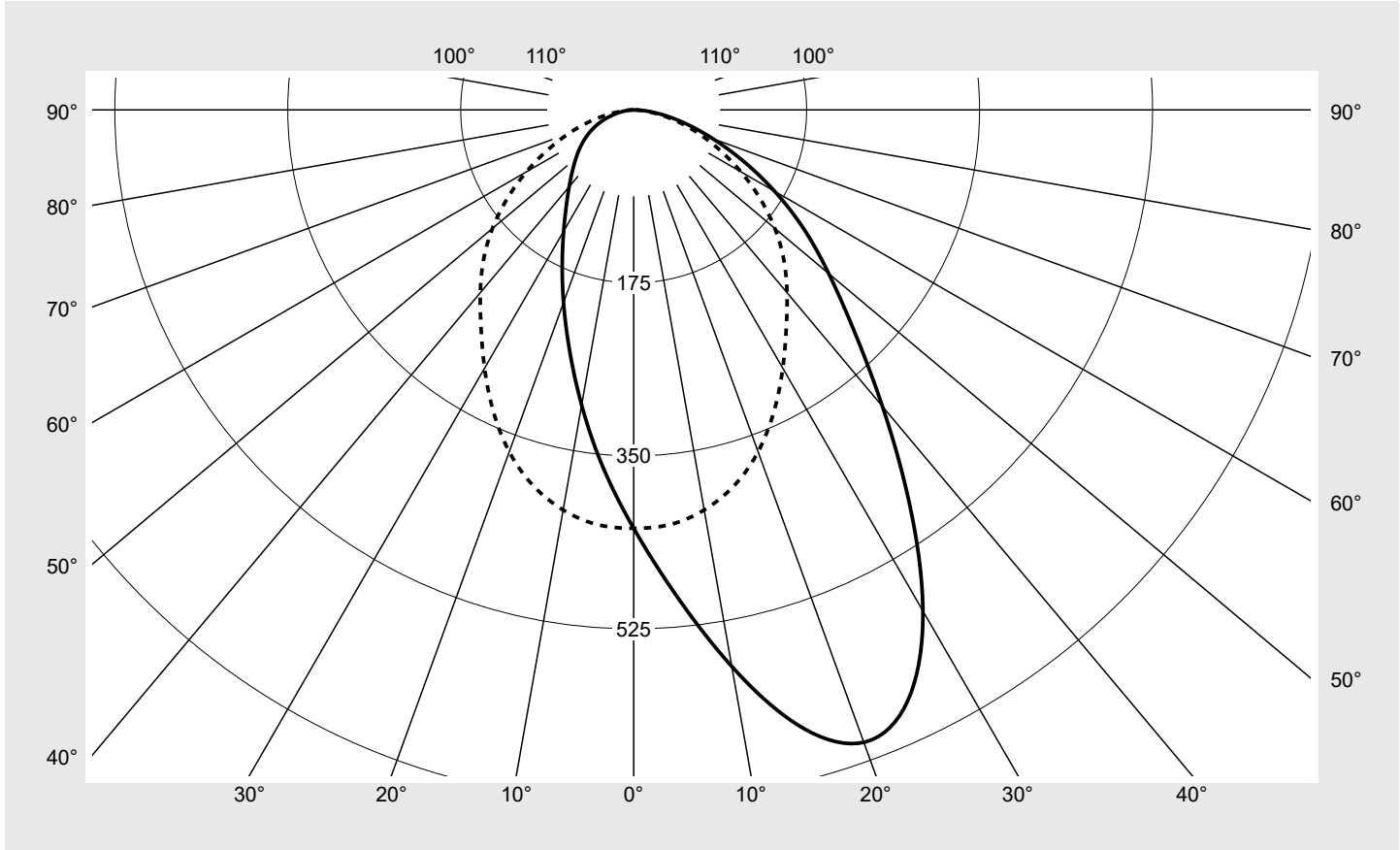


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL14DN49XG</b> <b>EAN: 4058352926925</b>	<b>LP number</b> <b>58683_317</b>
	<b>Version</b> cover frosted, asymmetric distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 9430 lm Power consumption = 56.7 W Luminous efficacy = 166.3 lm/W	<b>serial documentation</b> <b>14.09.2023</b>
		

**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	
$\eta_{LB}$	100.0%
$\phi_u$	100.0%
$\phi_o$	0.0%

**Measurement conditions**  
DIN EN 13032 and DIN 5032

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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
<b>siteco</b>		

C-planes	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
$\gamma$	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
$\gamma$	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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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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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	26.8	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	29.0	29.8	29.4	30.2	30.7	27.8	28.7	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	29.6	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	30.6	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	29.4	29.9

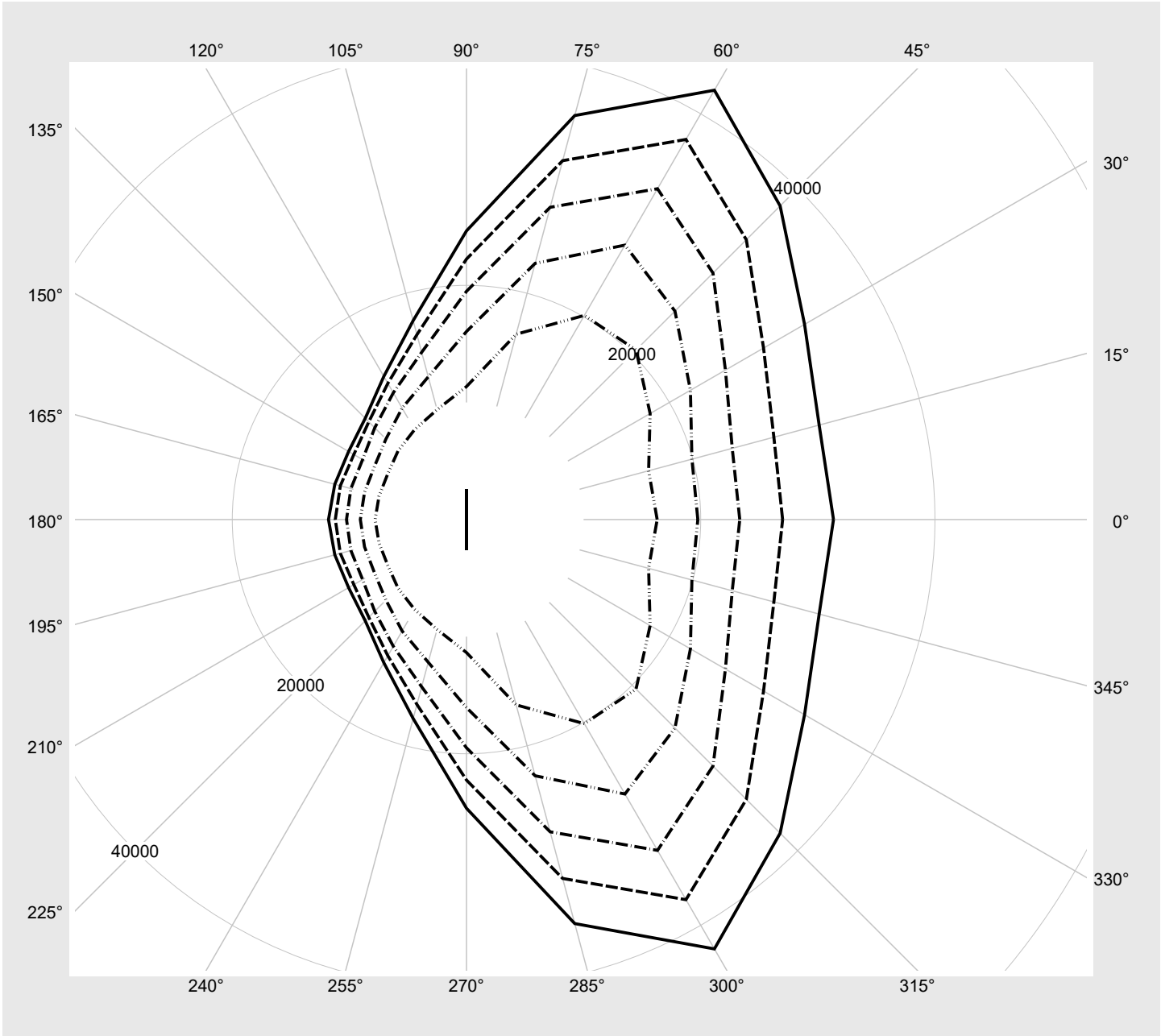
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1500</b>
			<b>B = 58</b>

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°
$\gamma$	Luminance in cd/m <sup>2</sup>												
45°	48280.0	49152.5	52138.4	57179.7	59622.8	47969.7	32942.8	23199.5	17916.0	15015.3	13877.1	13538.7	13452.4
50°	43448.6	43736.6	46136.1	51575.2	56481.0	46381.5	31450.6	21692.2	16582.7	13939.0	13044.2	12855.4	12868.2
55°	39751.4	39500.4	41532.2	46671.6	52241.0	43552.2	29472.9	20246.3	15567.1	13170.9	12458.5	12379.7	12480.0
60°	35702.0	35386.8	37374.7	42187.0	47328.4	39815.2	27174.2	18853.3	14735.9	12630.1	11998.0	12002.1	12147.6
65°	31338.6	31176.5	33333.7	37875.6	42336.5	35718.4	24652.6	17591.6	14117.1	12227.2	11623.9	11641.6	11783.0
70°	26994.4	27172.8	29289.5	33793.1	37481.0	31728.7	22246.1	16347.3	13431.1	11799.6	11108.1	11152.2	11204.2
75°	23334.6	23493.7	25530.3	29768.4	32620.8	27607.0	19491.3	14787.5	12499.2	11079.5	10242.3	10218.5	10244.9
80°	19754.6	19928.1	22079.7	25175.1	27062.1	22652.1	16059.4	12616.9	10990.9	9727.5	9075.8	9012.8	9064.0
85°	16281.8	16100.2	18106.2	20474.1	20128.4	16383.8	11358.2	9714.1	8864.7	8274.0	7771.5	7731.7	7802.6

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**Luminance values in cd/m<sup>2</sup>**     γ 65°   γ 70°   γ 75°   γ 80°   γ 85°     **siteco**



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<b>Dimming levels table</b>	environmental temperature: 25°C	<b>sITeco</b>
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	9430	56.7
95	240	252	8954	53.6
90	226	250	8470	50.4
85	213	248	8019	47.5
80	199	245	7529	44.4
75	186	243	7067	41.5
70	173	240	6604	38.5
65	160	237	6137	35.7
60	147	234	5664	32.8
55	134	231	5184	29.9
50	121	227	4702	27.2
45	109	223	4253	24.6
40	96	218	3760	21.9
35	84	213	3304	19.3
30	72	208	2844	16.9
25	60	201	2377	14.4
20	47	192	1870	11.6
15	35	181	1397	9.1
10	24	168	960	6.8
5	12	142	477	4.4
2	4	102	153	2.8