

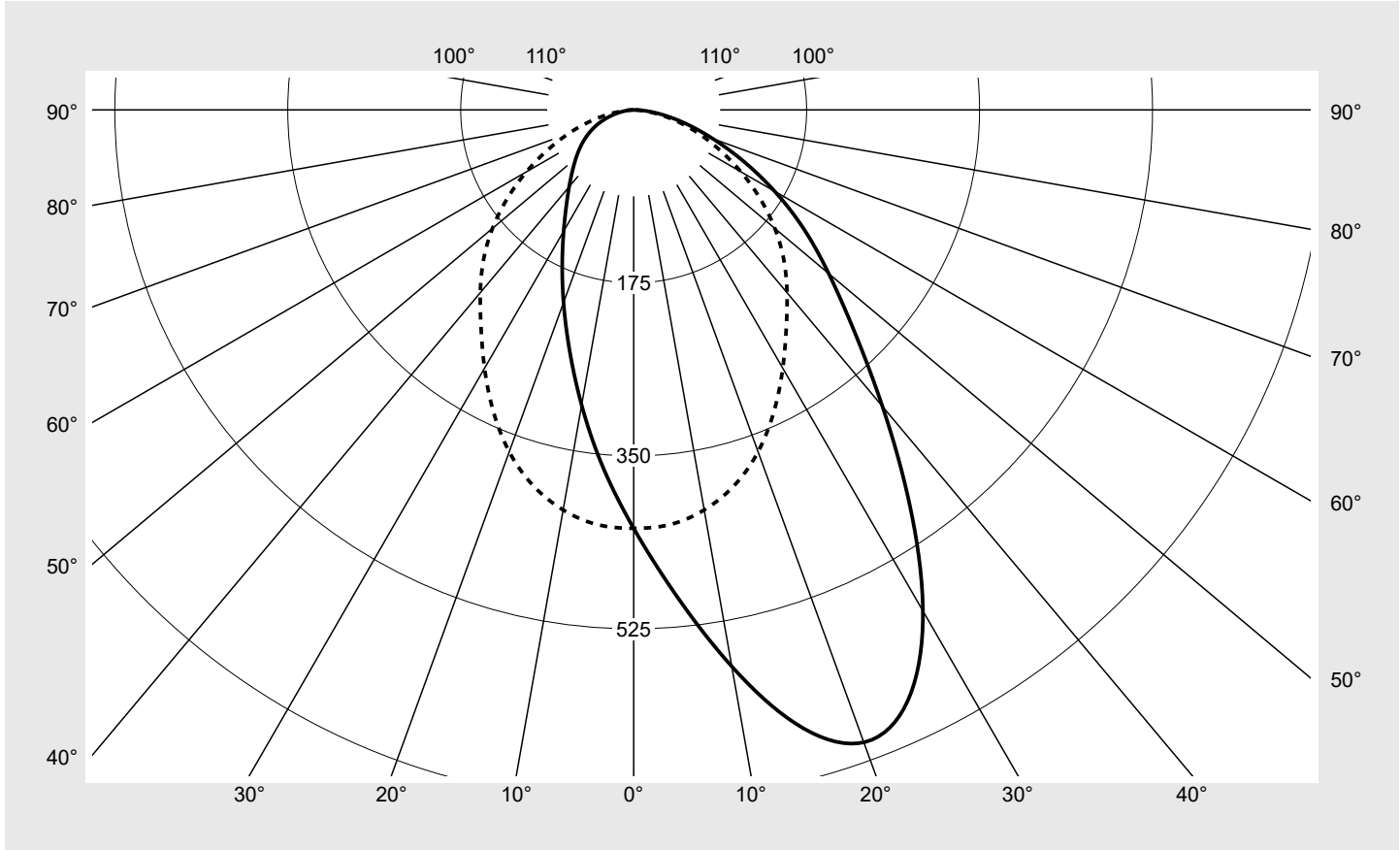


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL14DNE7XF EAN: 4058352454152	LP number 58683_30
	Version cover frosted, asymmetric distribution Lamps LED 5000 K CRI ≥ 90 Controlgear ECG-DALI Rated values Net luminous flux = 7340 lm Power consumption = 61.1 W Luminous efficacy = 120.1 lm/W	serial documentation 08.12.2020
		

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									
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	25.3	26.9	25.7	27.2	27.5	23.9	25.5	24.3	25.8	26.2
	3H	26.3	27.7	26.7	28.1	28.4	25.0	26.5	25.4	26.8	27.2
	4H	26.6	28.0	27.0	28.3	28.7	25.5	26.8	25.9	27.2	27.5
	6H	26.9	28.1	27.3	28.5	28.9	25.7	27.0	26.1	27.3	27.7
	8H	27.0	28.2	27.4	28.5	29.0	25.8	27.0	26.2	27.4	27.8
	12H	27.1	28.2	27.5	28.6	29.0	25.9	27.0	26.3	27.3	27.8
4H	2H	26.1	27.4	26.5	27.8	28.1	24.5	25.9	24.9	26.2	26.6
	3H	27.2	28.3	27.6	28.7	29.1	25.9	27.1	26.4	27.5	27.9
	4H	27.6	28.7	28.1	29.1	29.5	26.5	27.5	26.9	27.9	28.3
	6H	28.0	28.9	28.4	29.3	29.7	26.9	27.7	27.3	28.2	28.6
	8H	28.1	28.9	28.6	29.3	29.8	27.0	27.8	27.4	28.2	28.7
	12H	28.2	28.9	28.7	29.3	29.8	27.1	27.8	27.5	28.2	28.7
8H	4H	28.0	28.8	28.4	29.2	29.7	26.7	27.5	27.2	28.0	28.5
	6H	28.4	29.1	28.9	29.5	30.0	27.2	27.9	27.7	28.4	28.9
	8H	28.6	29.1	29.1	29.6	30.1	27.4	28.0	27.9	28.5	29.0
	12H	28.7	29.2	29.2	29.7	30.2	27.5	28.0	28.0	28.5	29.0
12H	4H	28.0	28.7	28.5	29.2	29.7	26.8	27.5	27.2	27.9	28.4
	6H	28.5	29.1	29.0	29.5	30.1	27.3	27.9	27.8	28.3	28.9
	8H	28.7	29.2	29.2	29.7	30.2	27.5	28.0	28.0	28.5	29.0

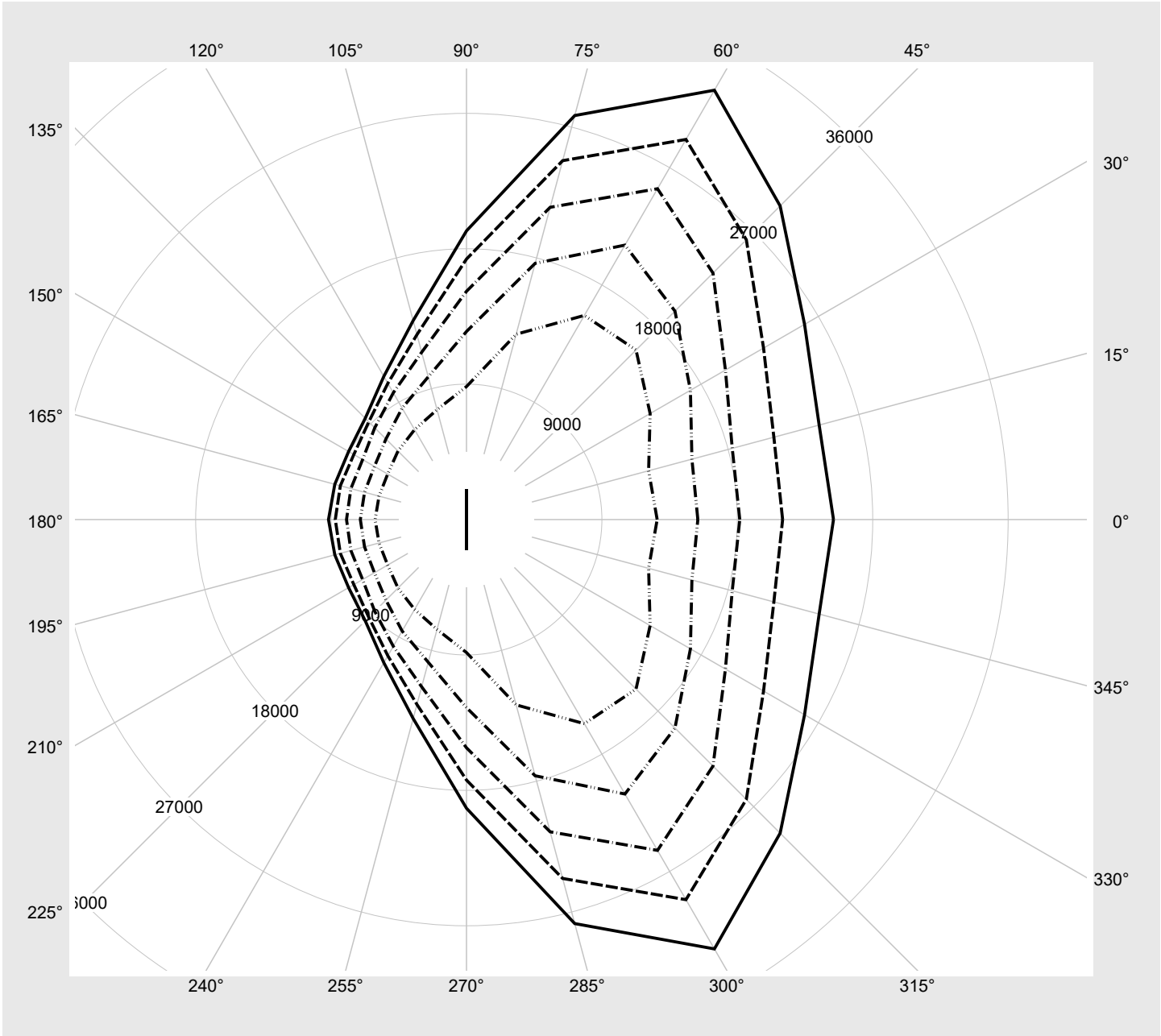
Luminance table		Max. for $\gamma \geq 65^\circ$											
		Photometric dimensions in mm: L = 1500 B = 58											
C-planes	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°
γ	Luminance in cd/m ²												
45°	37579.5	38258.7	40582.8	44506.8	46408.4	37338.0	25641.6	18057.7	13945.2	11687.4	10801.5	10538.1	10470.9
50°	33818.9	34043.1	35910.8	40144.4	43962.9	36101.8	24480.1	16884.5	12907.4	10849.6	10153.2	10006.2	10016.2
55°	30941.1	30745.8	32327.3	36327.6	40662.7	33899.6	22940.7	15759.0	12116.9	10251.8	9697.3	9635.9	9714.0
60°	27789.2	27543.9	29091.2	32837.0	36838.9	30990.8	21151.5	14674.8	11470.0	9830.9	9338.8	9342.0	9455.3
65°	24392.9	24266.8	25945.9	29481.1	32953.3	27802.0	19188.8	13692.7	10988.3	9517.2	9047.7	9061.5	9171.5
70°	21011.5	21150.4	22797.9	26303.4	29174.0	24696.6	17315.6	12724.2	10454.3	9184.4	8646.2	8680.5	8720.9
75°	18162.8	18286.7	19871.9	23170.8	25391.0	21488.4	15171.4	11510.1	9729.0	8623.9	7972.3	7953.7	7974.3
80°	15376.3	15511.4	17186.1	19595.5	21064.2	17631.7	12500.1	9820.6	8554.9	7571.6	7064.3	7015.3	7055.1
85°	12673.2	12531.9	14093.3	15936.4	15667.3	12752.6	8840.9	7561.1	6900.0	6440.2	6049.1	6018.1	6073.3

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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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	7340	61.1
95	240	252	6984	57.6
90	225	250	6597	53.9
85	211	247	6227	50.4
80	198	245	5880	47.2
75	184	242	5499	43.8
70	171	240	5137	40.7
65	158	237	4774	37.5
60	145	233	4403	34.4
55	132	230	4028	31.5
50	120	227	3678	28.6
45	107	222	3295	25.6
40	95	218	2937	22.9
35	83	213	2576	20.2
30	71	207	2210	17.5
25	59	201	1840	14.8
20	47	192	1469	12.1
15	35	181	1093	9.4
10	24	168	744	7.0
5	12	142	361	4.4
1	4	102	104	2.6