

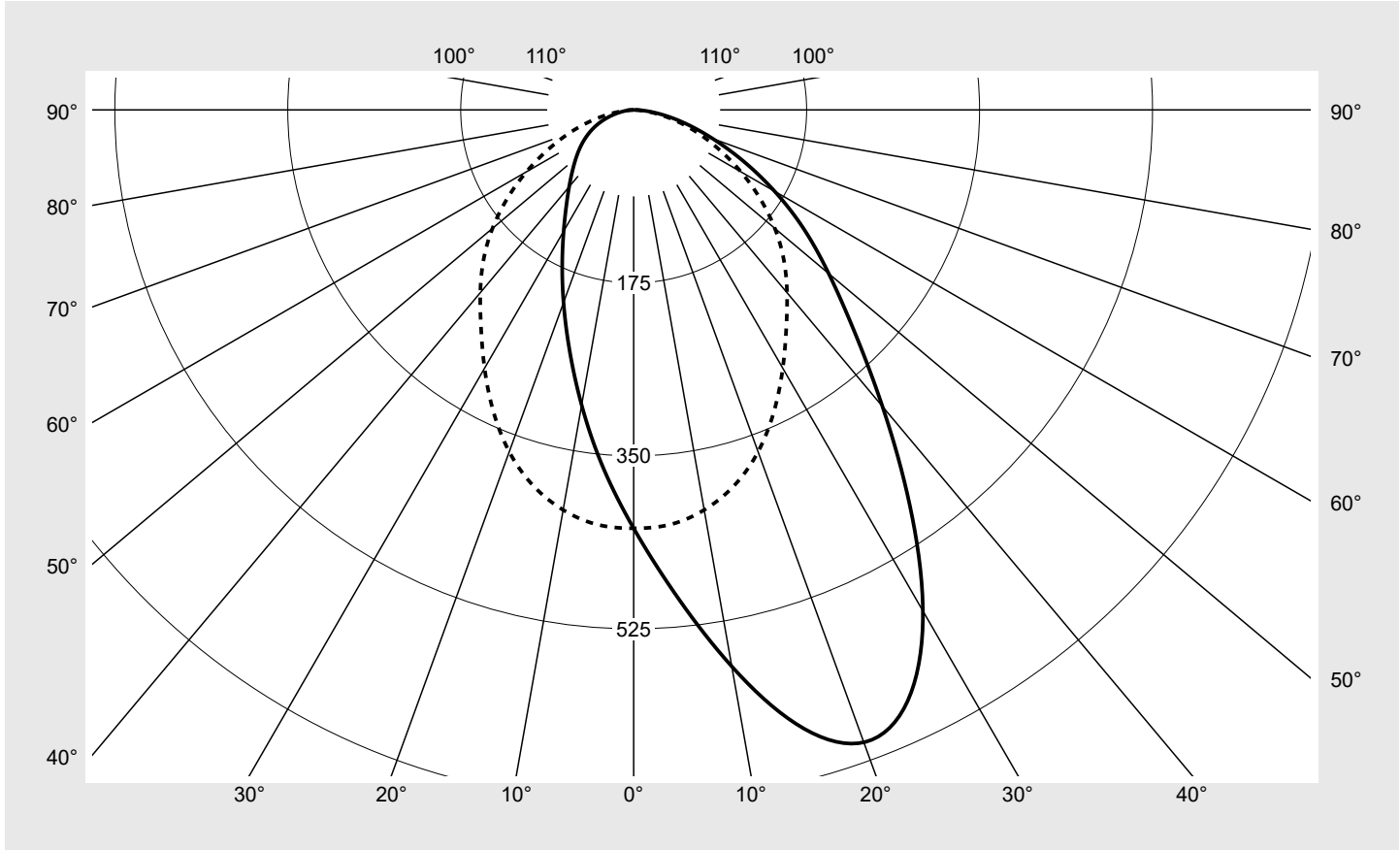


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL14DND7XF EAN: 4058352454138	LP number 58683_29
	Version cover frosted, asymmetric distribution Lamps LED 4000 K CRI ≥ 90 Controlgear ECG-DALI Rated values Net luminous flux = 7330 lm Power consumption = 61.1 W Luminous efficacy = 120 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

Photometric test report

Family Licross® 21 Recessed	Order number: 52TL14DND7XF EAN: 4058352454138	LP number 58683_29
Table of values for luminous intensities		Maximum luminous intensity
		sITeco

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

Photometric test report

Family Licross® 21 Recessed	Order number: 52TL14DND7XF EAN: 4058352454138	LP number 58683_29
---------------------------------------	--	------------------------------

siteco

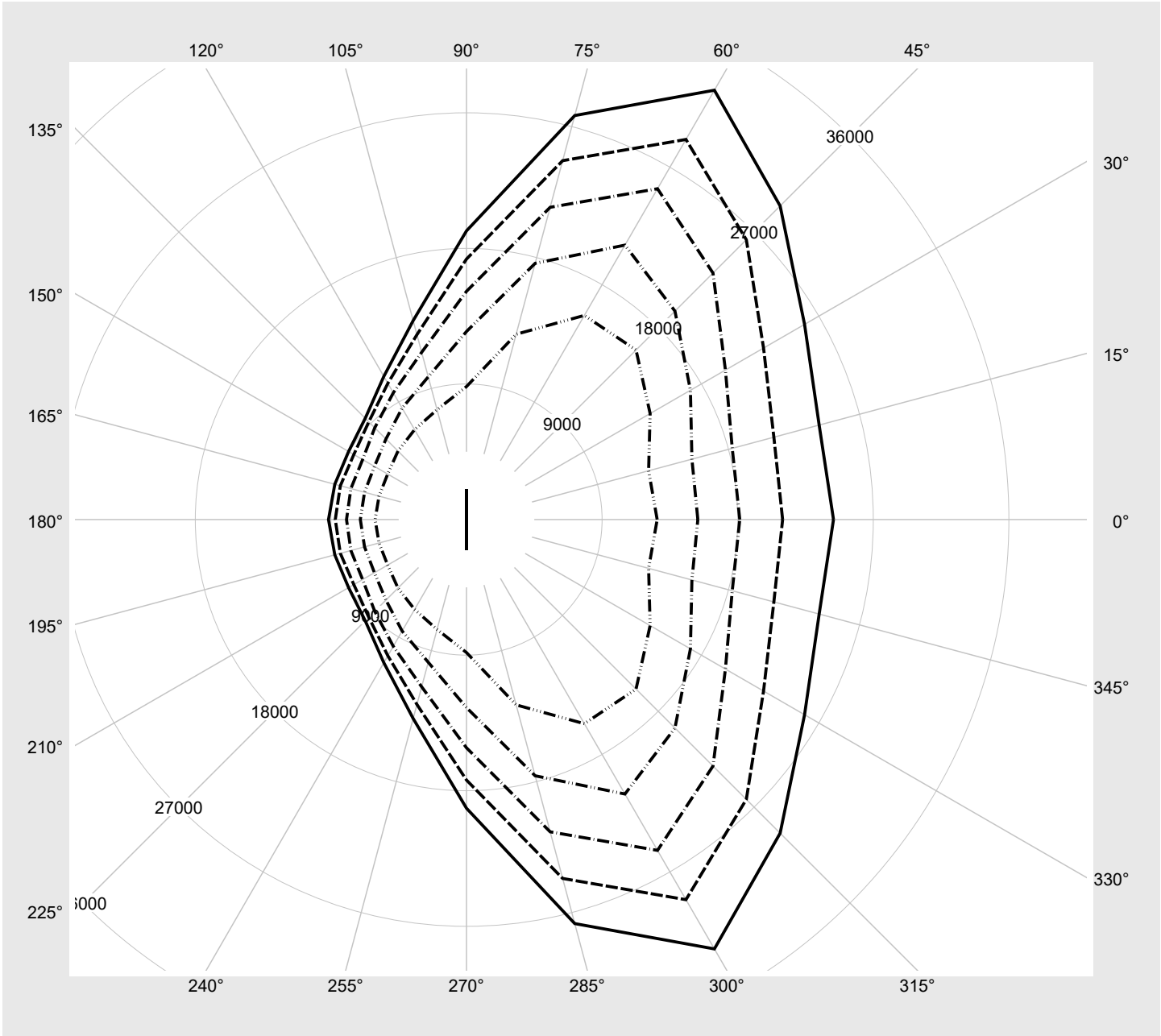
UGR-Table		Standard room									
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y	View crosswise (C0)					View endwise (C90)				
2H	2H	25.3	26.9	25.7	27.2	27.5	23.9	25.5	24.3	25.8	26.1
	3H	26.3	27.7	26.7	28.1	28.4	25.0	26.5	25.4	26.8	27.2
	4H	26.6	28.0	27.0	28.3	28.7	25.5	26.8	25.8	27.1	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	28.9	25.8	27.0	26.2	27.4	27.8
	12H	27.1	28.2	27.5	28.5	29.0	25.9	26.9	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	28.5	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	28.5	29.1	29.0	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°	37528.3	38206.5	40527.5	44446.2	46345.2	37287.2	25606.6	18033.1	13926.2	11671.5	10786.8	10523.7	10456.6
50°	33772.8	33996.7	35861.9	40089.7	43903.0	36052.6	24446.8	16861.5	12889.8	10834.9	10139.4	9992.6	10002.5
55°	30899.0	30703.9	32283.3	36278.1	40607.3	33853.4	22909.5	15737.5	12100.4	10237.8	9684.0	9622.8	9700.8
60°	27751.4	27506.4	29051.6	32792.2	36788.7	30948.6	21122.7	14654.8	11454.3	9817.5	9326.1	9329.3	9442.4
65°	24359.7	24233.7	25910.5	29441.0	32908.4	27764.2	19162.6	13674.1	10973.3	9504.3	9035.4	9049.1	9159.0
70°	20982.9	21121.6	22766.9	26267.6	29134.3	24663.0	17292.0	12706.9	10440.1	9171.9	8634.4	8668.7	8709.1
75°	18138.1	18261.8	19844.8	23139.2	25356.4	21459.1	15150.7	11494.4	9715.7	8612.2	7961.4	7942.9	7963.4
80°	15355.4	15490.3	17162.7	19568.8	21035.5	17607.7	12483.0	9807.2	8543.3	7561.2	7054.7	7005.7	7045.5
85°	12655.9	12514.8	14074.1	15914.7	15645.9	12735.2	8828.8	7550.8	6890.6	6431.4	6040.9	6009.9	6065.0

Photometric test report

Family Licross® 21 Recessed	Order number: 52TL14DND7XF EAN: 4058352454138	LP number 58683_29
--	--	-------------------------------------

Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family Licross® 21 Recessed	Order number: 52TL14DND7XF EAN: 4058352454138	LP number 58683_29
---------------------------------------	--	-------------------------------------

Dimming levels table	environmental temperature: 25°C	sITeco
-----------------------------	---------------------------------	---------------

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	7330	61.1
95	240	252	6975	57.6
90	225	250	6588	53.8
85	211	247	6220	50.4
80	198	245	5872	47.2
75	184	242	5492	43.8
70	171	240	5131	40.7
65	158	237	4769	37.5
60	145	233	4398	34.4
55	132	230	4024	31.5
50	120	227	3675	28.6
45	107	222	3292	25.6
40	95	218	2935	22.9
35	83	213	2573	20.2
30	71	207	2208	17.5
25	59	201	1839	14.8
20	47	192	1468	12.1
15	35	181	1092	9.4
10	24	168	744	6.9
5	12	142	361	4.4
1	4	102	104	2.6