



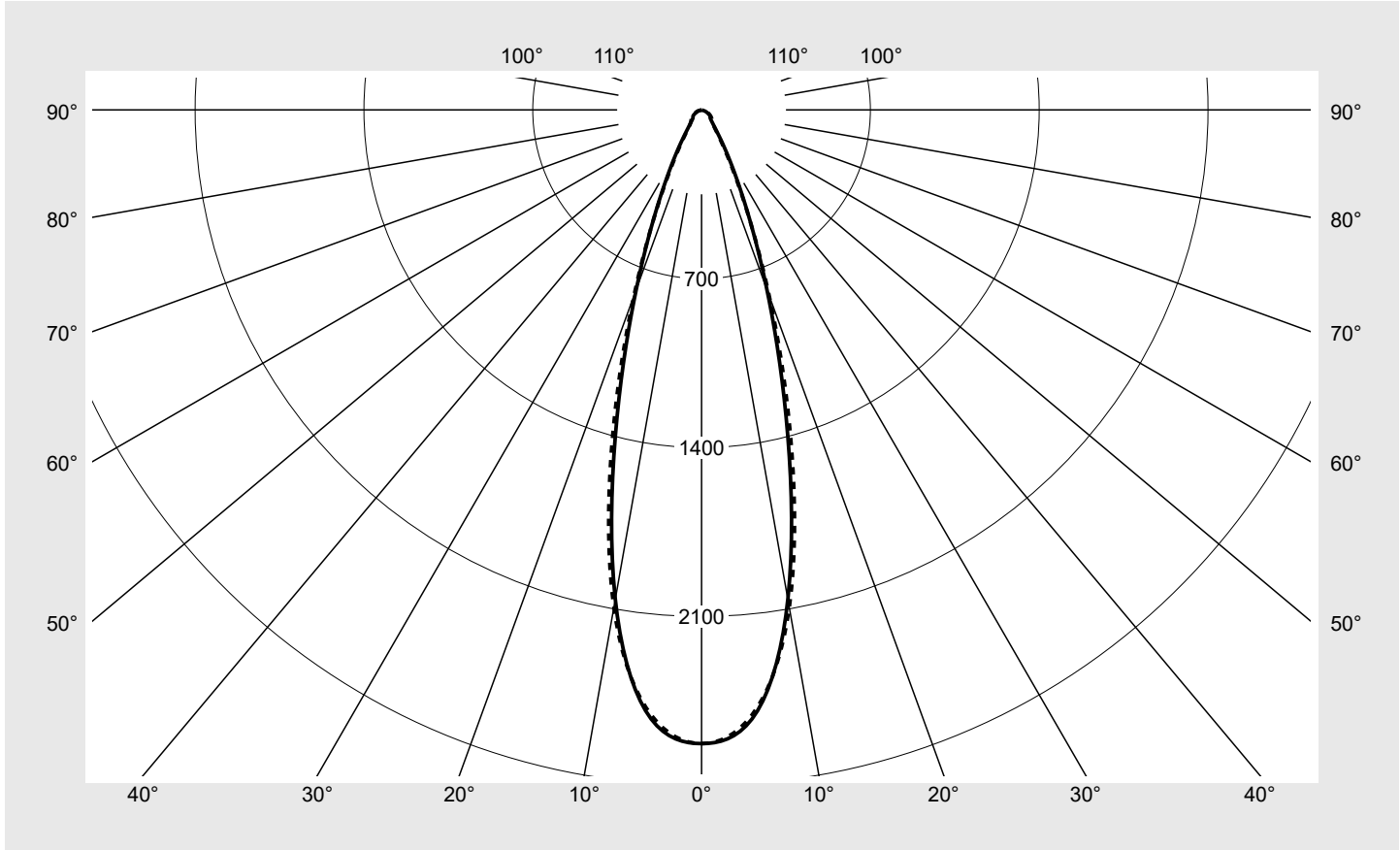
Photometric test report

Family Licross® 21 Recessed	Order number: 52TL11DN47XG EAN: 4058352890493	LP number 58785_265
	Version cover frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 7120 lm Power consumption = 39.3 W Luminous efficacy = 181.2 lm/W	serial documentation 03.08.2023





Luminous intensity in cd/klm C180-0 C270-90 **Imax: 2627 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=89 N2=96 N3=99 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° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	2627.4	2627.4	2627.4	2627.4	2627.4	2627.4	2627.4	15.7	15.7
5°	2520.2	2503.8	2487.8	2499.1	2508.6	2505.8	2505.2	119.6	135.3
10°	2060.7	2047.7	2044.6	2066.8	2086.2	2092.0	2094.5	196.9	332.2
15°	1373.4	1369.0	1375.7	1399.2	1421.9	1432.7	1437.2	198.7	530.9
20°	791.8	790.8	796.4	808.8	818.0	819.0	819.4	151.2	682.1
25°	418.1	420.5	425.4	427.2	423.4	413.4	409.3	97.4	779.6
30°	215.7	218.7	224.8	222.9	213.7	202.3	197.8	58.9	838.4
35°	112.4	114.3	119.3	116.0	107.4	103.1	102.4	35.0	873.4
40°	70.3	69.7	69.6	67.8	65.2	68.3	71.3	24.2	897.6
45°	52.4	50.5	46.9	47.4	48.4	54.1	61.4	19.6	917.2
50°	46.4	44.6	38.1	38.0	38.3	44.7	54.3	17.8	935.0
55°	42.3	42.2	36.7	33.4	32.3	38.6	47.1	17.1	952.1
60°	32.7	32.9	34.3	30.2	28.0	32.6	38.2	15.3	967.4
65°	23.6	23.8	26.4	25.7	24.0	26.1	29.3	12.6	980.0
70°	15.1	15.6	18.2	19.4	18.6	19.5	20.9	9.4	989.4
75°	8.3	8.7	10.8	13.0	12.9	13.2	13.7	6.1	995.5
80°	4.0	4.1	5.0	6.6	7.3	7.2	7.2	3.2	998.7
85°	1.6	1.6	1.9	2.5	2.6	2.7	2.5	1.2	1000.0
90°	0.0	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	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	14.2	15.3	14.5	15.6	15.9	14.1	15.2	14.5	15.5	15.9
	3H	15.1	16.1	15.5	16.4	16.8	15.5	16.5	15.9	16.8	17.2
	4H	15.3	16.2	15.7	16.6	17.0	16.0	16.9	16.4	17.3	17.7
	6H	15.4	16.2	15.9	16.6	17.0	16.4	17.2	16.8	17.5	17.9
	8H	15.5	16.2	16.0	16.6	17.0	16.6	17.2	17.0	17.6	18.0
	12H	15.5	16.1	16.0	16.5	16.9	16.6	17.2	17.0	17.6	18.0
4H	2H	14.7	15.6	15.1	15.9	16.3	14.6	15.5	15.0	15.9	16.2
	3H	15.8	16.5	16.2	16.9	17.4	16.1	16.9	16.6	17.3	17.7
	4H	16.1	16.8	16.5	17.2	17.6	16.8	17.4	17.2	17.8	18.3
	6H	16.2	16.8	16.7	17.2	17.7	17.2	17.7	17.7	18.2	18.6
	8H	16.3	16.7	16.7	17.2	17.7	17.3	17.8	17.8	18.2	18.7
	12H	16.3	16.7	16.8	17.1	17.6	17.4	17.8	17.9	18.2	18.7
8H	4H	16.3	16.8	16.8	17.3	17.8	17.0	17.4	17.4	17.9	18.4
	6H	16.5	16.9	17.0	17.4	17.9	17.5	17.9	18.0	18.3	18.8
	8H	16.5	16.9	17.1	17.4	17.9	17.6	18.0	18.1	18.4	19.0
	12H	16.6	16.9	17.1	17.4	17.9	17.7	18.0	18.2	18.5	19.0
12H	4H	16.4	16.8	16.9	17.2	17.7	17.0	17.4	17.5	17.8	18.3
	6H	16.6	16.9	17.1	17.4	17.9	17.5	17.8	18.0	18.3	18.8
	8H	16.6	16.9	17.1	17.4	17.9	17.7	17.9	18.2	18.4	19.0

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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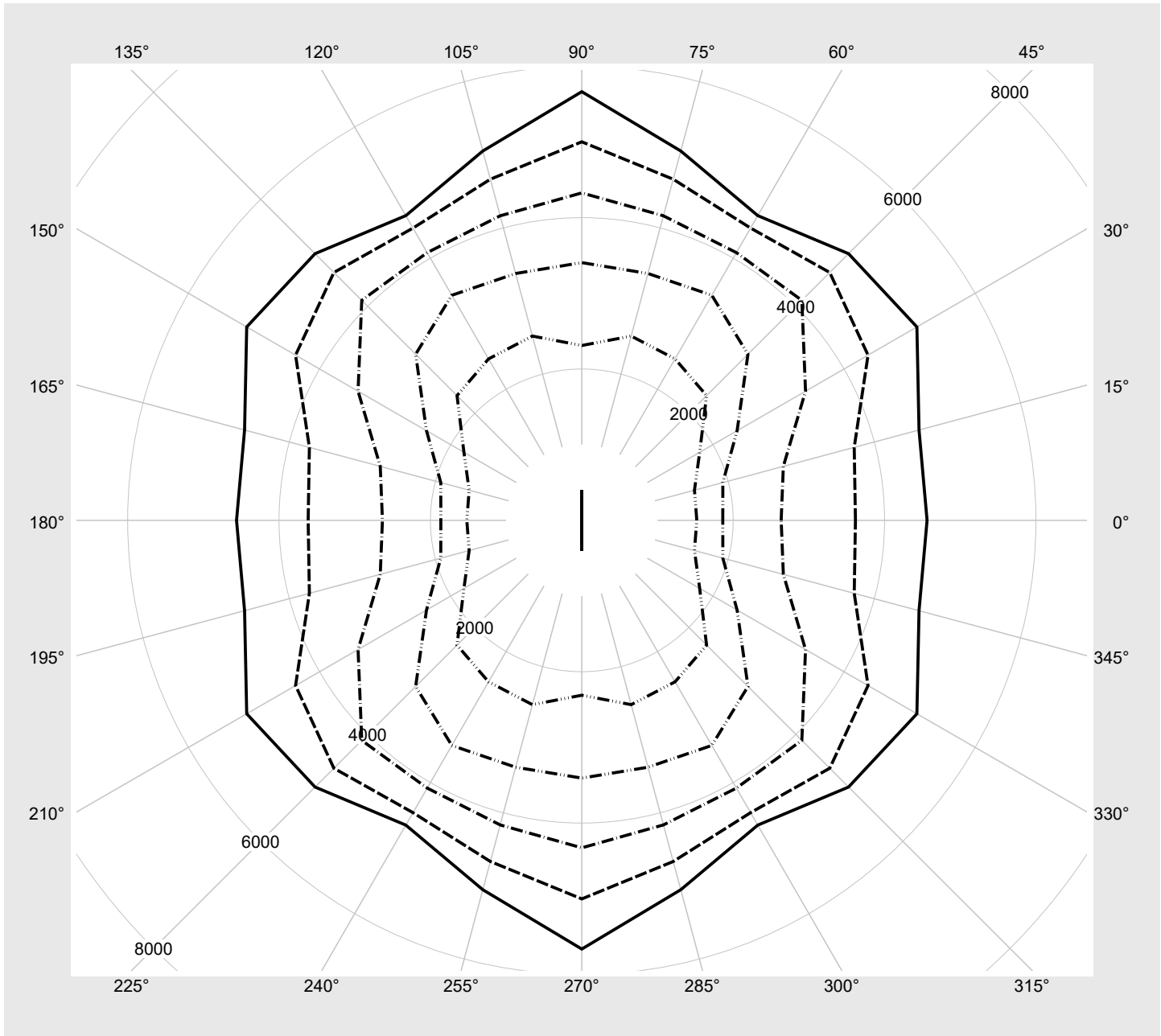
C-planes	γ	Luminance in cd/m ²								
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°		
45°	45°	6069.1	5841.3	5426.6	5481.5	5597.5	6266.6	7105.7		
50°	50°	5911.4	5680.3	4845.5	4842.7	4873.8	5695.5	6909.2		
55°	55°	6040.3	6023.3	5236.0	4761.2	4614.1	5508.8	6714.0		
60°	60°	5349.7	5382.4	5613.2	4945.5	4579.1	5327.9	6251.5		
65°	65°	4561.6	4612.5	5112.1	4983.9	4650.1	5053.0	5665.0		
70°	70°	3615.3	3726.1	4366.6	4632.5	4460.2	4666.9	5002.4		
75°	75°	2634.0	2756.6	3413.1	4111.6	4085.3	4166.6	4327.2		
80°	80°	1862.5	1929.0	2369.2	3104.4	3434.8	3377.3	3406.0		
85°	85°	1519.3	1540.9	1798.2	2331.5	2463.9	2521.2	2310.9		

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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	----	----	----	----
99	252	254	7066	39.0
95	241	252	6777	37.3
90	227	250	6403	35.2
85	214	248	6053	33.2
80	201	245	5702	31.3
75	188	243	5348	29.2
70	175	240	4990	27.4
65	162	238	4633	25.6
60	149	234	4271	23.7
55	136	231	3906	21.8
50	124	228	3571	20.1
45	111	224	3201	18.1
40	99	219	2860	16.3
35	86	214	2489	14.3
30	74	209	2145	12.3
25	61	202	1768	11.0
20	49	194	1422	9.3
15	37	183	1072	7.4
12	29	175	839	6.3