

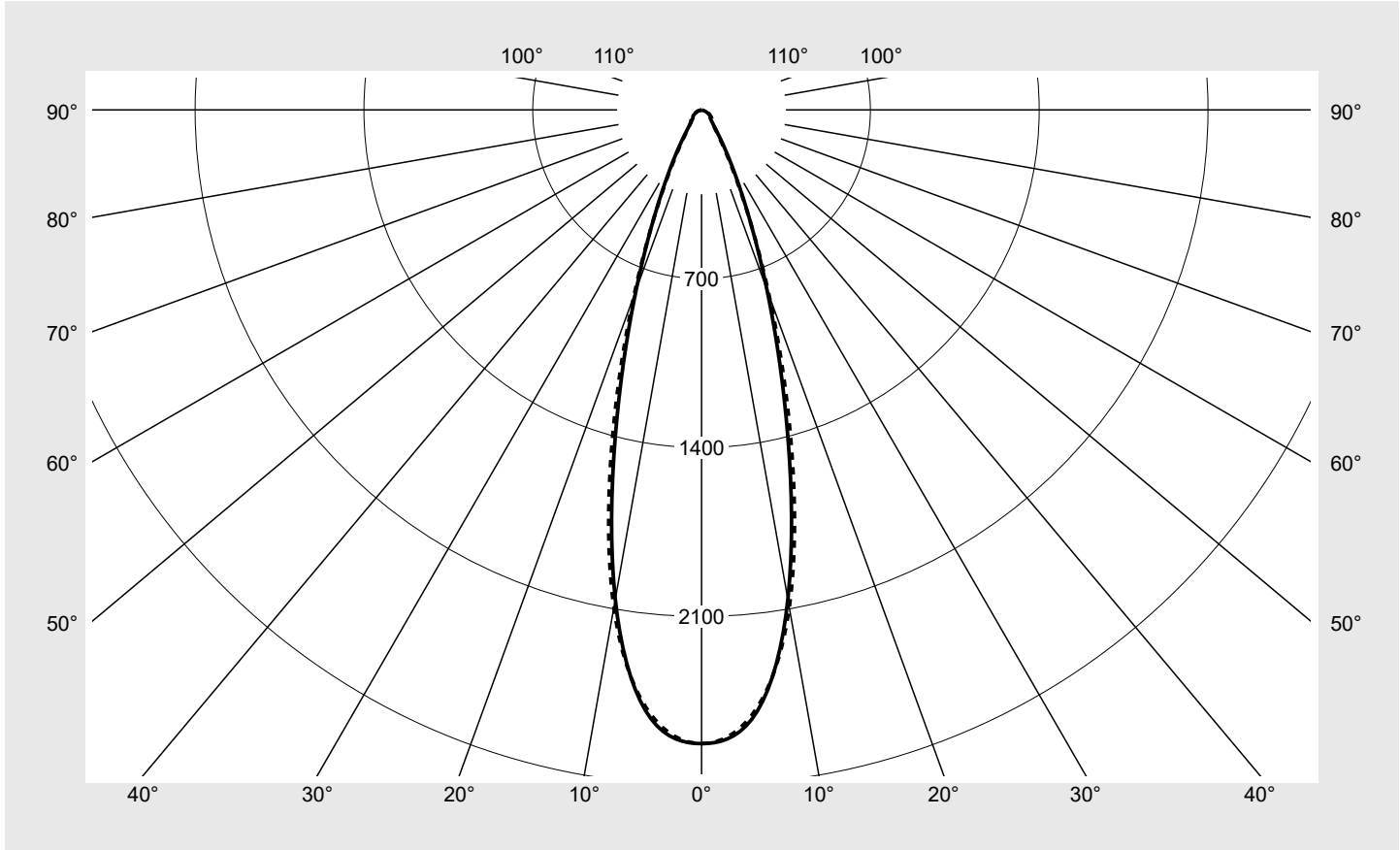


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL11DN48XG EAN: 4058352890509	LP number 58785_267
	Version cover frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 8000 lm Power consumption = 45.0 W Luminous efficacy = 177.8 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 γ	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°			
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	14.6	15.7	14.9	16.0	16.3	14.5	15.6	14.9	15.9	16.3
	3H	15.5	16.5	15.9	16.8	17.2	15.9	16.9	16.3	17.2	17.6
	4H	15.7	16.6	16.1	17.0	17.4	16.4	17.3	16.8	17.7	18.1
	6H	15.9	16.6	16.3	17.0	17.4	16.8	17.6	17.2	17.9	18.3
	8H	15.9	16.6	16.4	17.0	17.4	17.0	17.6	17.4	18.0	18.4
	12H	15.9	16.5	16.4	16.9	17.3	17.0	17.6	17.4	18.0	18.4
4H	2H	15.1	16.0	15.5	16.3	16.7	15.0	15.9	15.4	16.3	16.6
	3H	16.2	17.0	16.6	17.3	17.8	16.6	17.3	17.0	17.7	18.1
	4H	16.5	17.2	16.9	17.6	18.0	17.2	17.8	17.6	18.2	18.7
	6H	16.6	17.2	17.1	17.6	18.1	17.6	18.1	18.1	18.6	19.1
	8H	16.7	17.1	17.1	17.6	18.1	17.7	18.2	18.2	18.6	19.1
	12H	16.7	17.1	17.2	17.5	18.1	17.8	18.2	18.3	18.6	19.1
8H	4H	16.8	17.2	17.2	17.7	18.2	17.4	17.8	17.8	18.3	18.8
	6H	16.9	17.3	17.4	17.8	18.3	17.9	18.3	18.4	18.7	19.3
	8H	16.9	17.3	17.5	17.8	18.3	18.0	18.4	18.5	18.9	19.4
	12H	17.0	17.3	17.5	17.8	18.3	18.1	18.4	18.7	18.9	19.4
12H	4H	16.8	17.2	17.3	17.6	18.1	17.4	17.8	17.9	18.2	18.7
	6H	17.0	17.3	17.5	17.8	18.3	17.9	18.2	18.4	18.7	19.2
	8H	17.0	17.3	17.6	17.8	18.3	18.1	18.3	18.6	18.8	19.4

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°		6819.2	6563.3	6097.3	6158.9	6289.4	7041.2	7984.0	
50°		6642.0	6382.4	5444.4	5441.2	5476.1	6399.4	7763.2	
55°		6786.9	6767.8	5883.2	5349.6	5184.3	6189.7	7543.9	
60°		6010.9	6047.6	6306.9	5556.8	5145.0	5986.4	7024.2	
65°		5125.4	5182.6	5743.9	5599.9	5224.8	5677.6	6365.1	
70°		4062.1	4186.6	4906.3	5205.0	5011.5	5243.8	5620.7	
75°		2959.5	3097.4	3834.9	4619.7	4590.3	4681.6	4862.0	
80°		2092.8	2167.4	2662.0	3488.1	3859.3	3794.7	3827.0	
85°		1707.1	1731.3	2020.4	2619.7	2768.5	2832.8	2596.5	

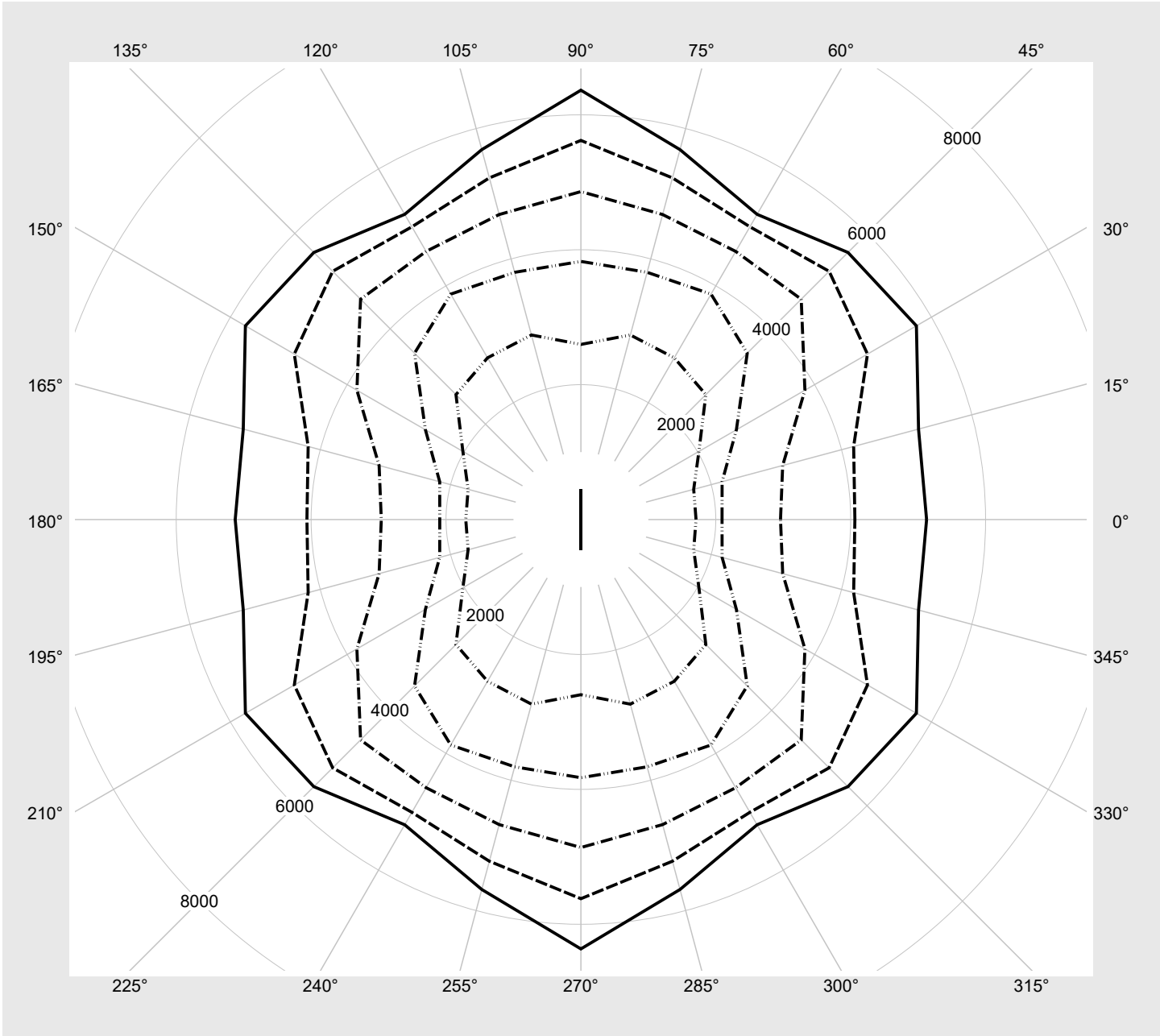
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Luminance values in cd/m²

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	8000	45.0
95	240	252	7586	42.6
90	227	250	7201	40.3
85	214	248	6811	38.1
80	200	245	6389	35.7
75	187	243	5992	33.4
70	174	240	5594	31.2
65	161	237	5192	29.0
60	148	234	4787	26.8
55	136	231	4409	24.8
50	123	227	3998	22.5
45	110	223	3586	20.4
40	98	219	3200	18.4
35	86	214	2813	16.4
30	73	208	2392	14.2
25	61	202	2003	12.2
20	49	194	1609	10.2
15	37	183	1213	8.2
10	24	168	785	6.0
5	12	142	386	4.0
2	5	110	151	2.9