

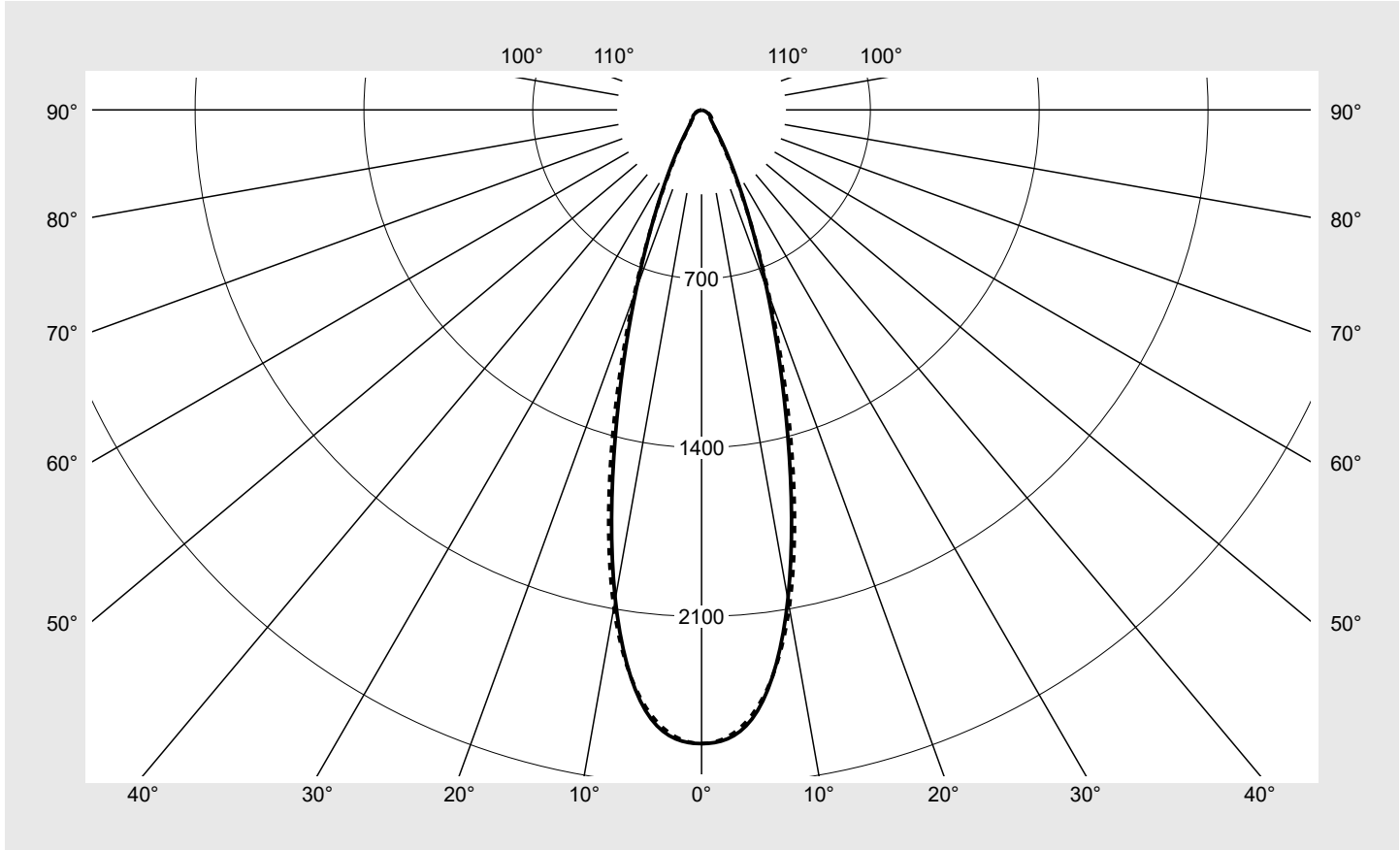
Photometric test report

Family Licross® 21 Recessed	Order number: 51TE11DN4AXF EAN: 4058352712450	LP number 58785_230
	Version cover frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 10270 lm Power consumption = 60.8 W Luminous efficacy = 168.9 lm/W	serial documentation 27.07.2022





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	15.4	16.6	15.8	16.9	17.2	15.4	16.5	15.7	16.8	17.1
	3H	16.4	17.3	16.7	17.7	18.0	16.8	17.7	17.1	18.1	18.4
	4H	16.6	17.5	17.0	17.8	18.2	17.3	18.2	17.7	18.6	18.9
	6H	16.7	17.5	17.1	17.9	18.3	17.7	18.4	18.1	18.8	19.2
	8H	16.8	17.5	17.2	17.8	18.3	17.8	18.5	18.3	18.9	19.3
	12H	16.8	17.4	17.2	17.8	18.2	17.9	18.4	18.3	18.8	19.3
4H	2H	16.0	16.8	16.4	17.2	17.6	15.9	16.8	16.3	17.1	17.5
	3H	17.1	17.8	17.5	18.2	18.6	17.4	18.2	17.9	18.6	19.0
	4H	17.4	18.0	17.8	18.4	18.9	18.0	18.7	18.5	19.1	19.6
	6H	17.5	18.1	18.0	18.5	19.0	18.5	19.0	18.9	19.5	19.9
	8H	17.5	18.0	18.0	18.5	19.0	18.6	19.1	19.1	19.5	20.0
	12H	17.6	18.0	18.1	18.4	18.9	18.7	19.0	19.2	19.5	20.0
8H	4H	17.6	18.1	18.1	18.6	19.0	18.2	18.7	18.7	19.2	19.6
	6H	17.8	18.2	18.3	18.7	19.2	18.7	19.1	19.2	19.6	20.1
	8H	17.8	18.2	18.3	18.7	19.2	18.9	19.2	19.4	19.7	20.3
	12H	17.9	18.1	18.4	18.6	19.2	19.0	19.3	19.5	19.8	20.3
12H	4H	17.7	18.0	18.1	18.5	19.0	18.2	18.6	18.7	19.1	19.6
	6H	17.8	18.2	18.4	18.6	19.2	18.8	19.1	19.3	19.6	20.1
	8H	17.9	18.2	18.4	18.7	19.2	18.9	19.2	19.5	19.7	20.2

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°		8754.1	8425.6	7827.4	7906.6	8074.0	9039.1	10249.4	
50°		8526.7	8193.4	6989.2	6985.2	7030.0	8215.3	9966.0	
55°		8712.6	8688.1	7552.5	6867.6	6655.4	7946.0	9684.4	
60°		7716.4	7763.6	8096.5	7133.5	6604.9	7685.0	9017.3	
65°		6579.7	6653.1	7373.8	7188.9	6707.3	7288.6	8171.2	
70°		5214.8	5374.6	6298.5	6682.0	6433.5	6731.7	7215.6	
75°		3799.3	3976.2	4923.1	5930.6	5892.7	6010.0	6241.7	
80°		2686.6	2782.4	3417.4	4477.8	4954.4	4871.4	4912.9	
85°		2191.5	2222.6	2593.7	3363.0	3554.0	3636.6	3333.2	

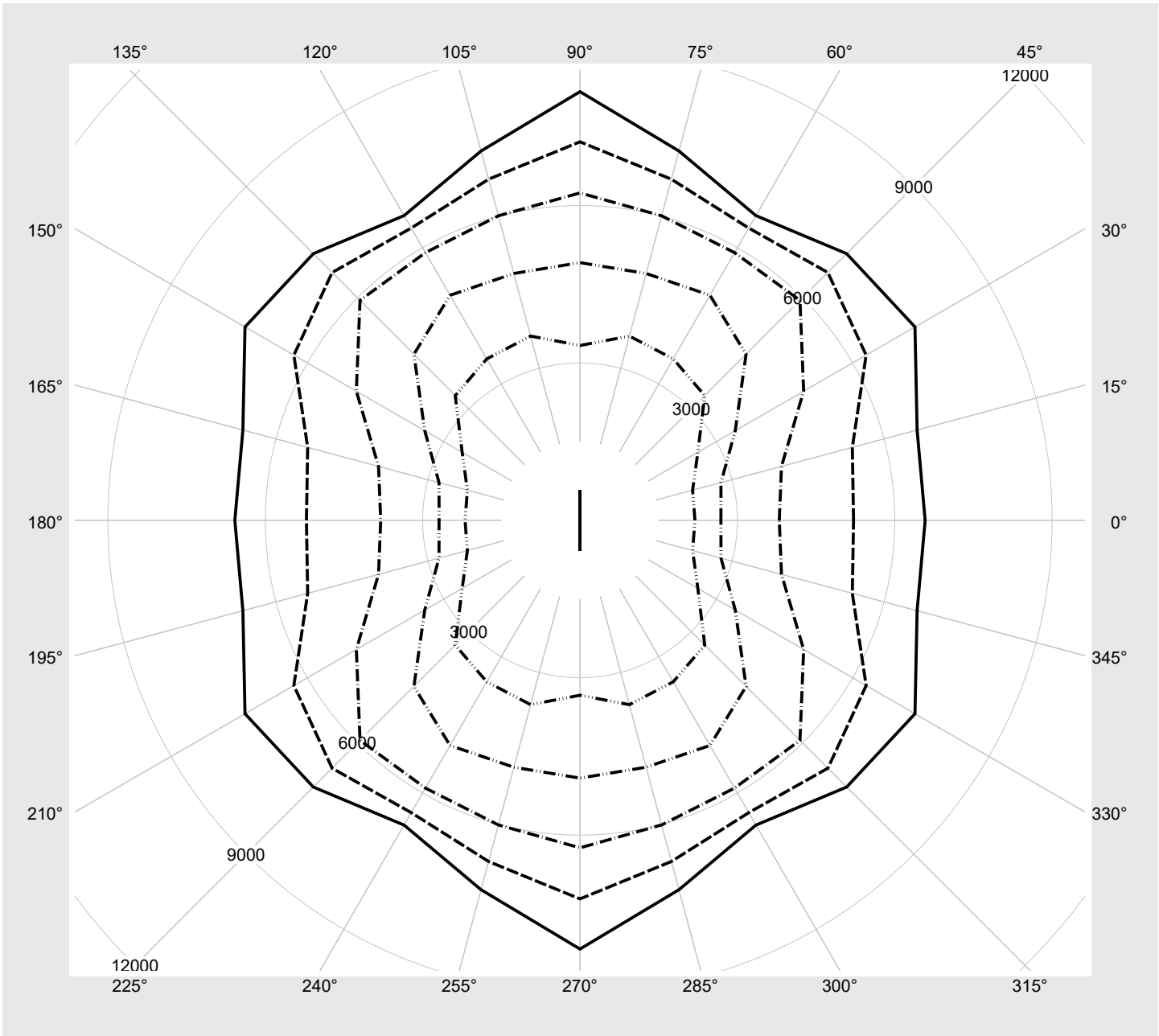
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Family
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LP number
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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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	10270	60.8
95	240	252	9754	57.3
90	226	250	9230	54.0
85	213	248	8735	50.9
80	199	245	8199	47.5
75	186	243	7692	44.5
70	173	240	7184	41.3
65	160	237	6673	38.3
60	147	234	6151	35.3
55	134	231	5629	32.3
50	122	227	5139	29.4
45	109	223	4605	26.5
40	97	219	4109	23.8
35	85	214	3605	21.1
30	73	208	3100	18.4
25	61	202	2587	15.7
20	49	194	2073	13.0
15	37	183	1553	10.3
10	25	169	1030	7.7
5	13	145	500	5.0
1	4	102	103	3.0