

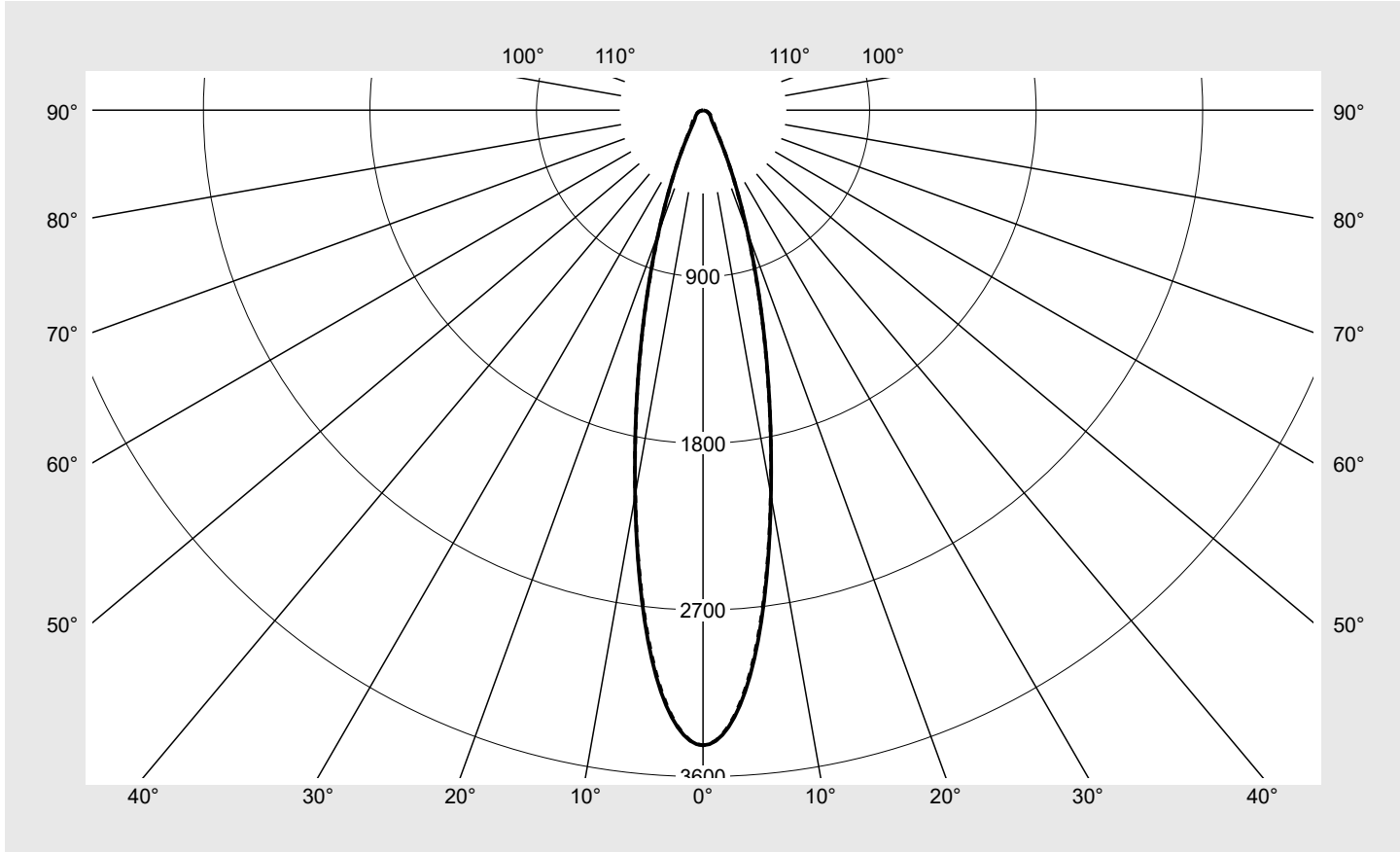


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL11DV4LXR EAN: 4058352470565	LP number 58784_83
	Version cover frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 20370 lm Power consumption = 121.7 W Luminous efficacy = 167.4 lm/W	serial documentation 12.07.2021
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 3431 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=87 N2=95 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	siteco
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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°	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	20.5	20.5
5°	3030.0	3009.9	2995.2	3008.4	3015.8	3015.7	3017.5	143.9	164.4
10°	2113.5	2098.5	2092.1	2104.8	2111.9	2109.7	2109.2	200.3	364.7
15°	1287.2	1281.7	1283.9	1294.7	1294.7	1286.2	1283.2	182.7	547.4
20°	703.4	705.4	717.6	726.5	719.3	702.5	697.3	133.5	680.9
25°	354.0	358.8	370.9	376.0	367.5	355.6	354.0	84.3	765.2
30°	176.2	179.2	185.6	185.7	179.6	178.8	183.6	49.7	814.9
35°	102.4	102.6	103.9	102.5	99.6	107.7	116.7	32.8	847.7
40°	73.1	72.4	71.7	70.6	70.7	80.9	90.2	26.3	874.0
45°	60.7	58.7	57.0	56.9	57.9	66.7	75.5	23.6	897.6
50°	52.7	51.5	51.2	50.6	50.0	56.0	63.2	22.2	919.8
55°	44.8	43.4	45.4	45.0	43.0	46.3	51.7	20.3	940.1
60°	37.3	36.1	38.2	39.8	37.2	38.0	41.8	18.1	958.2
65°	29.8	28.9	31.0	34.0	31.7	30.7	33.0	15.5	973.8
70°	21.9	21.7	22.9	26.9	25.3	23.3	24.3	12.3	986.1
75°	12.2	12.7	14.5	18.5	17.7	15.7	16.0	8.2	994.3
80°	5.5	5.6	6.4	9.0	10.0	8.8	8.6	4.2	998.5
85°	2.2	2.1	2.4	3.2	3.5	3.4	3.0	1.6	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	17.1	18.2	17.4	18.5	18.8	17.4	18.6	17.8	18.9	19.2
	3H	18.4	19.4	18.8	19.7	20.1	18.9	19.8	19.2	20.2	20.5
	4H	18.8	19.7	19.2	20.1	20.4	19.4	20.3	19.8	20.6	21.0
	6H	18.9	19.8	19.4	20.1	20.5	19.7	20.5	20.1	20.9	21.3
	8H	19.1	19.7	19.5	20.1	20.5	19.9	20.6	20.3	20.9	21.4
	12H	19.0	19.7	19.5	20.1	20.5	19.9	20.5	20.3	20.9	21.3
4H	2H	17.8	18.7	18.2	19.1	19.5	18.1	19.0	18.5	19.4	19.7
	3H	19.3	20.0	19.7	20.4	20.9	19.7	20.5	20.1	20.9	21.3
	4H	19.7	20.4	20.2	20.8	21.3	20.3	21.0	20.8	21.4	21.9
	6H	19.9	20.5	20.4	20.9	21.4	20.7	21.3	21.2	21.7	22.2
	8H	20.0	20.5	20.5	20.9	21.4	20.9	21.4	21.3	21.8	22.3
	12H	20.0	20.4	20.5	20.9	21.4	20.9	21.3	21.4	21.8	22.3
8H	4H	20.1	20.6	20.5	21.0	21.5	20.6	21.1	21.1	21.6	22.0
	6H	20.3	20.7	20.8	21.2	21.7	21.1	21.5	21.6	22.0	22.5
	8H	20.3	20.7	20.9	21.2	21.7	21.3	21.6	21.8	22.1	22.7
	12H	20.4	20.7	20.9	21.2	21.7	21.3	21.7	21.9	22.2	22.7
12H	4H	20.1	20.5	20.6	21.0	21.5	20.6	21.0	21.1	21.5	22.0
	6H	20.3	20.7	20.9	21.2	21.7	21.1	21.5	21.6	22.0	22.5
	8H	20.4	20.7	20.9	21.2	21.8	21.3	21.6	21.8	22.1	22.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2250
			B = 58

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°		13402.7	12962.9	12590.1	12556.6	12780.2	14718.3	16675.0	
50°		12808.6	12512.6	12444.4	12294.1	12134.0	13602.0	15350.6	
55°		12203.8	11821.9	12362.7	12251.7	11707.9	12610.9	14063.8	
60°		11643.5	11263.3	11914.8	12419.3	11623.9	11863.3	13061.5	
65°		11000.2	10686.6	11446.7	12541.1	11724.5	11350.7	12185.1	
70°		9980.2	9894.8	10445.7	12256.6	11547.4	10632.8	11107.0	
75°		7380.7	7647.2	8722.5	11135.5	10659.1	9441.4	9629.0	
80°		4980.8	5026.6	5780.8	8113.5	8951.2	7877.0	7731.4	
85°		3918.6	3843.4	4242.8	5679.1	6223.6	6040.9	5328.1	

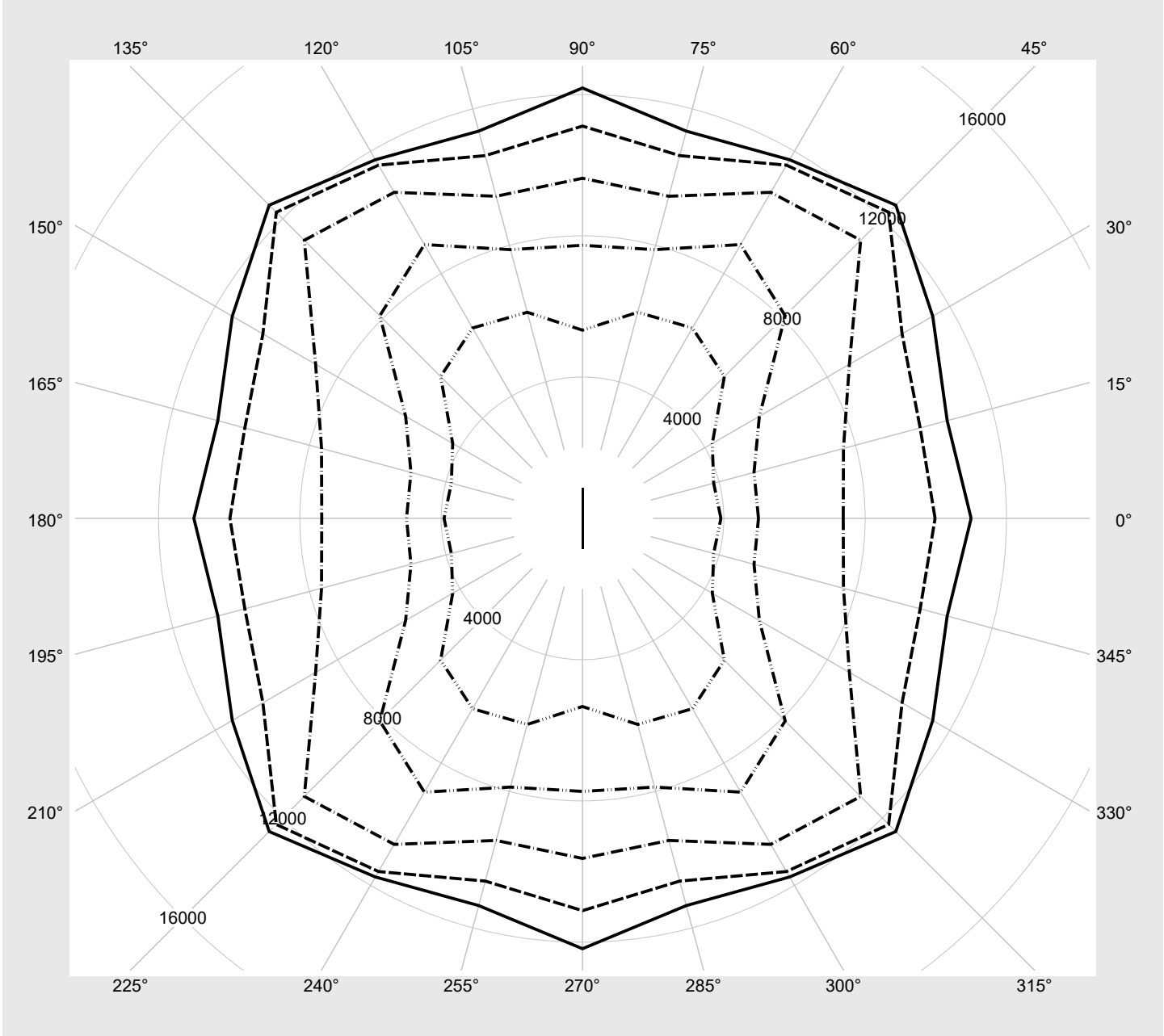
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Luminance values in cd/m²

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	20370	121.7
95	240	252	19382	114.9
90	226	250	18360	107.9
85	212	247	17329	101.1
80	198	245	16278	94.2
75	185	242	15292	88.1
70	172	240	14289	81.7
65	159	237	13269	75.6
60	146	234	12243	69.4
55	133	230	11206	63.1
50	120	227	10153	57.0
45	108	223	9170	51.5
40	96	218	8176	45.9
35	83	213	7091	39.8
30	71	207	6080	34.4
25	59	201	5057	28.9
20	48	193	4112	23.9
15	36	182	3073	18.6
10	24	168	2029	13.1
5	13	145	1061	8.1
2	5	110	352	4.4