

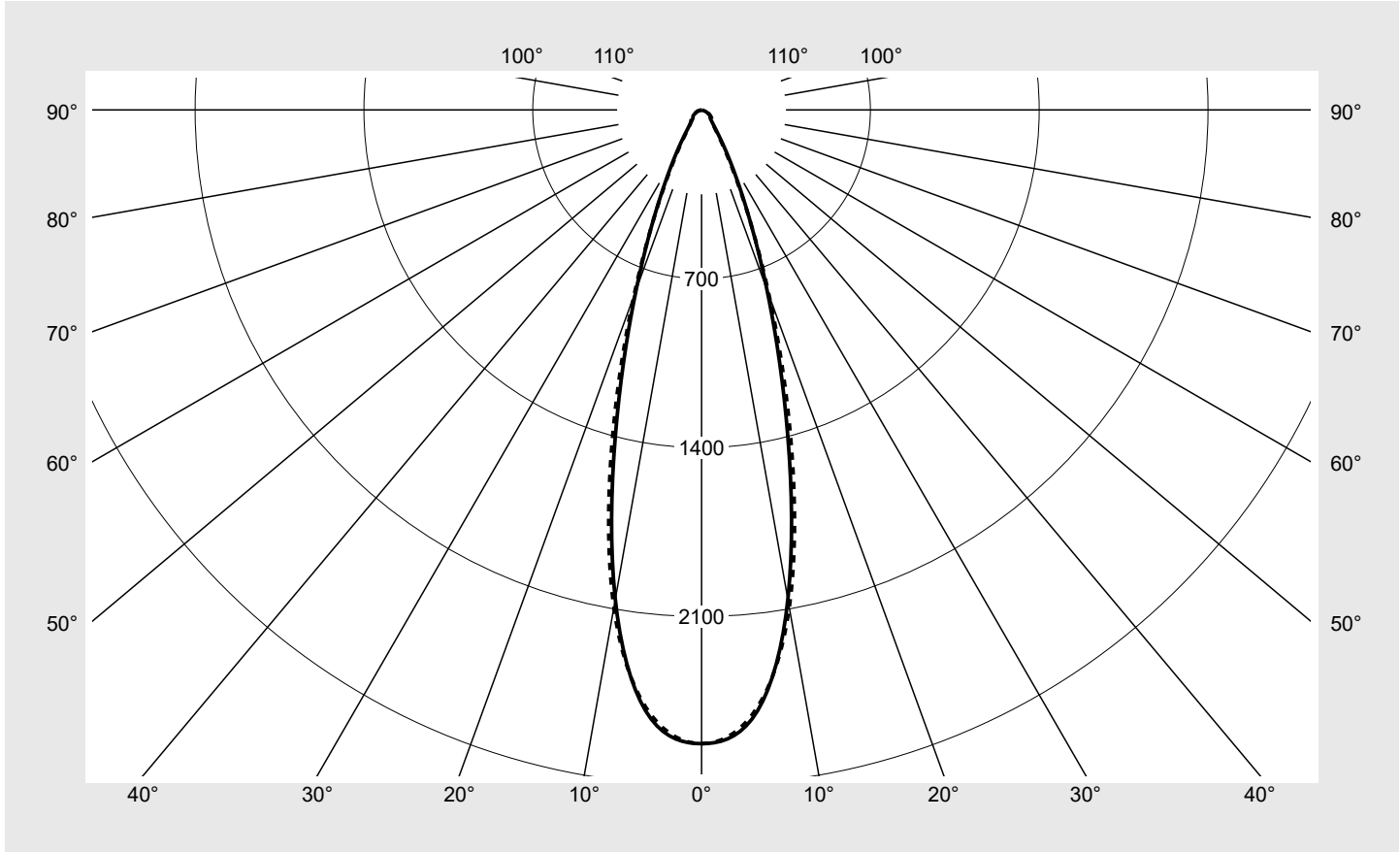


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL11DV4EXF EAN: 4058352470541	LP number 58785_97
	Version cover frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 14070 lm Power consumption = 87.2 W Luminous efficacy = 161.3 lm/W	serial documentation 12.07.2021
		

Luminous intensity in cd/klm C180-0 C270-90 I_{max}: 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	siteco
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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	15.1	16.2	15.5	16.6	16.9	15.1	16.2	15.4	16.5	16.8
	3H	16.0	17.0	16.4	17.4	17.7	16.4	17.4	16.8	17.8	18.1
	4H	16.3	17.2	16.7	17.5	17.9	17.0	17.9	17.4	18.2	18.6
	6H	16.4	17.2	16.8	17.6	17.9	17.4	18.1	17.8	18.5	18.9
	8H	16.5	17.1	16.9	17.5	17.9	17.5	18.2	17.9	18.5	19.0
	12H	16.5	17.1	16.9	17.5	17.9	17.5	18.1	18.0	18.5	18.9
4H	2H	15.6	16.5	16.0	16.9	17.3	15.6	16.5	16.0	16.8	17.2
	3H	16.8	17.5	17.2	17.9	18.3	17.1	17.8	17.5	18.2	18.7
	4H	17.1	17.7	17.5	18.1	18.6	17.7	18.4	18.2	18.8	19.2
	6H	17.2	17.7	17.7	18.2	18.7	18.2	18.7	18.6	19.1	19.6
	8H	17.2	17.7	17.7	18.2	18.6	18.3	18.7	18.8	19.2	19.7
	12H	17.3	17.6	17.7	18.1	18.6	18.4	18.7	18.8	19.2	19.7
8H	4H	17.3	17.8	17.8	18.2	18.7	17.9	18.4	18.4	18.8	19.3
	6H	17.5	17.9	18.0	18.3	18.9	18.4	18.8	18.9	19.3	19.8
	8H	17.5	17.9	18.0	18.3	18.9	18.6	18.9	19.1	19.4	19.9
	12H	17.5	17.8	18.1	18.3	18.9	18.7	18.9	19.2	19.5	20.0
12H	4H	17.3	17.7	17.8	18.2	18.7	17.9	18.3	18.4	18.8	19.3
	6H	17.5	17.8	18.0	18.3	18.9	18.4	18.7	19.0	19.2	19.8
	8H	17.6	17.8	18.1	18.4	18.9	18.6	18.9	19.1	19.4	19.9

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

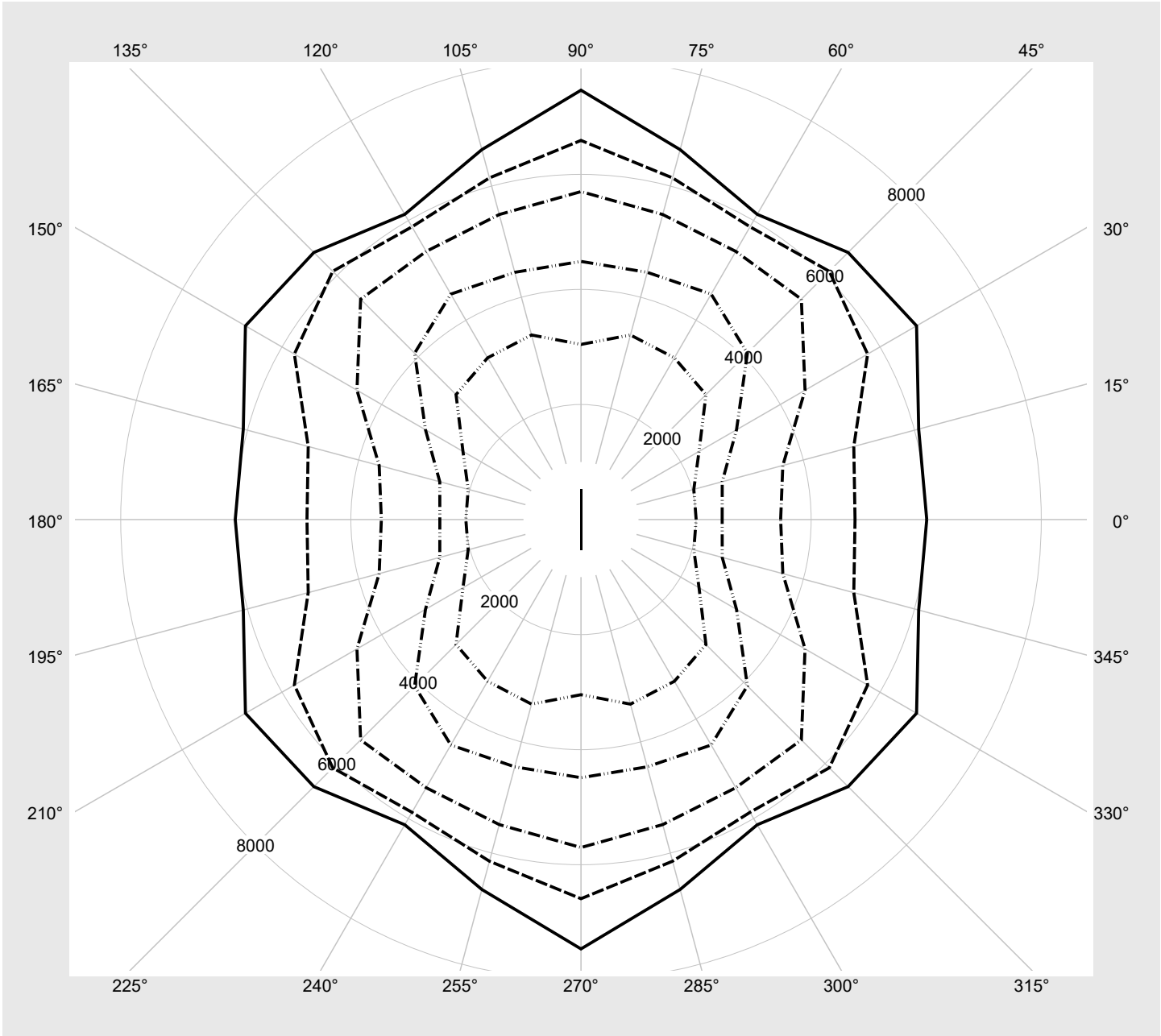
C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
	45°	7995.5	7695.4	7149.1	7221.4	7374.3	8255.8	9361.2	
	50°	7787.8	7483.4	6383.5	6379.9	6420.8	7503.3	9102.3	
	55°	7957.6	7935.2	6898.0	6272.4	6078.6	7257.4	8845.2	
	60°	7047.7	7090.8	7394.9	6515.3	6032.5	7019.0	8235.9	
	65°	6009.5	6076.6	6734.8	6565.9	6126.1	6657.0	7463.1	
	70°	4762.9	4908.8	5752.7	6102.9	5875.9	6148.3	6590.3	
	75°	3470.0	3631.7	4496.5	5416.7	5382.1	5489.1	5700.8	
	80°	2453.7	2541.3	3121.2	4089.8	4525.0	4449.3	4487.2	
	85°	2001.5	2030.0	2369.0	3071.6	3246.0	3321.5	3044.4	

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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	14070	87.2
95	240	252	13384	82.2
90	226	250	12685	77.2
85	212	247	11973	72.3
80	198	245	11253	67.4
75	185	242	10576	62.8
70	171	240	9833	58.1
65	158	237	9136	53.6
60	145	233	8427	49.1
55	133	230	7765	45.1
50	120	227	7038	40.8
45	107	222	6303	36.5
40	95	218	5616	32.6
35	83	213	4925	28.6
30	71	207	4224	24.8
25	59	201	3517	21.0
20	47	192	2808	17.2
15	35	181	2088	13.4
10	24	168	1422	9.9
5	12	142	691	6.2
1	4	102	199	3.9