

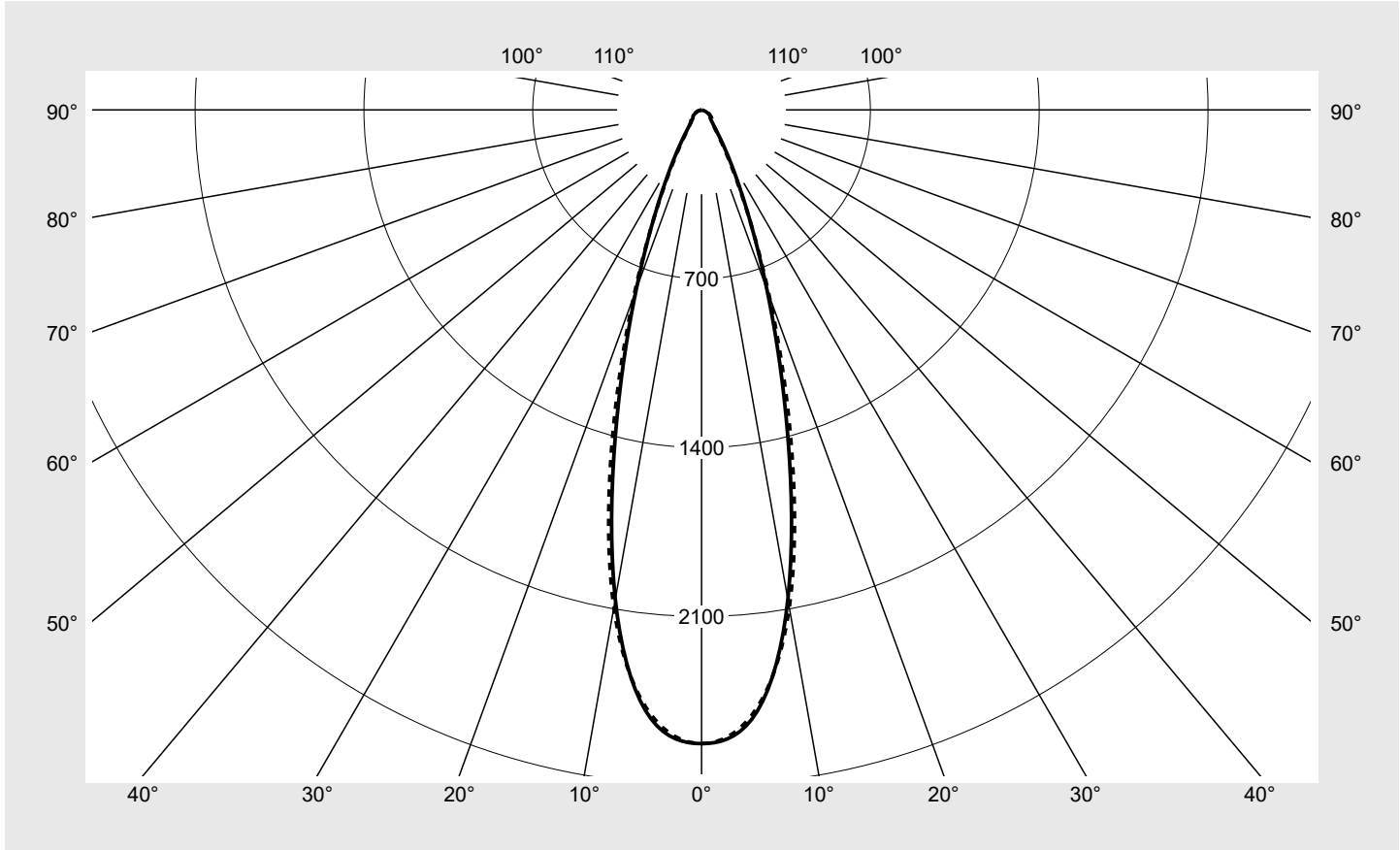


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL11DN455G EAN: 4058352887097	LP number 58785_266
	Version cover frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI	serial documentation 03.08.2023
	Rated values Net luminous flux = 5800 lm Power consumption = 31.8 W Luminous efficacy = 182.4 lm/W	

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
		siteco

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	13.5	14.6	13.8	14.9	15.2	13.4	14.5	13.8	14.8	15.1
	3H	14.4	15.4	14.8	15.7	16.1	14.8	15.8	15.2	16.1	16.5
	4H	14.6	15.5	15.0	15.9	16.2	15.3	16.2	15.7	16.6	16.9
	6H	14.7	15.5	15.2	15.9	16.3	15.7	16.4	16.1	16.8	17.2
	8H	14.8	15.5	15.3	15.9	16.3	15.8	16.5	16.3	16.9	17.3
	12H	14.8	15.4	15.3	15.8	16.2	15.9	16.5	16.3	16.9	17.3
4H	2H	14.0	14.9	14.4	15.2	15.6	13.9	14.8	14.3	15.2	15.5
	3H	15.1	15.8	15.5	16.2	16.6	15.4	16.2	15.9	16.6	17.0
	4H	15.4	16.0	15.8	16.5	16.9	16.0	16.7	16.5	17.1	17.6
	6H	15.5	16.1	16.0	16.5	17.0	16.5	17.0	17.0	17.5	17.9
	8H	15.5	16.0	16.0	16.5	17.0	16.6	17.1	17.1	17.5	18.0
	12H	15.6	16.0	16.1	16.4	16.9	16.7	17.1	17.2	17.5	18.0
8H	4H	15.6	16.1	16.1	16.6	17.1	16.2	16.7	16.7	17.2	17.7
	6H	15.8	16.2	16.3	16.7	17.2	16.8	17.1	17.3	17.6	18.1
	8H	15.8	16.2	16.3	16.7	17.2	16.9	17.2	17.4	17.7	18.3
	12H	15.9	16.1	16.4	16.7	17.2	17.0	17.3	17.5	17.8	18.3
12H	4H	15.7	16.0	16.2	16.5	17.0	16.3	16.6	16.8	17.1	17.6
	6H	15.9	16.2	16.4	16.7	17.2	16.8	17.1	17.3	17.6	18.1
	8H	15.9	16.2	16.4	16.7	17.2	16.9	17.2	17.5	17.7	18.3

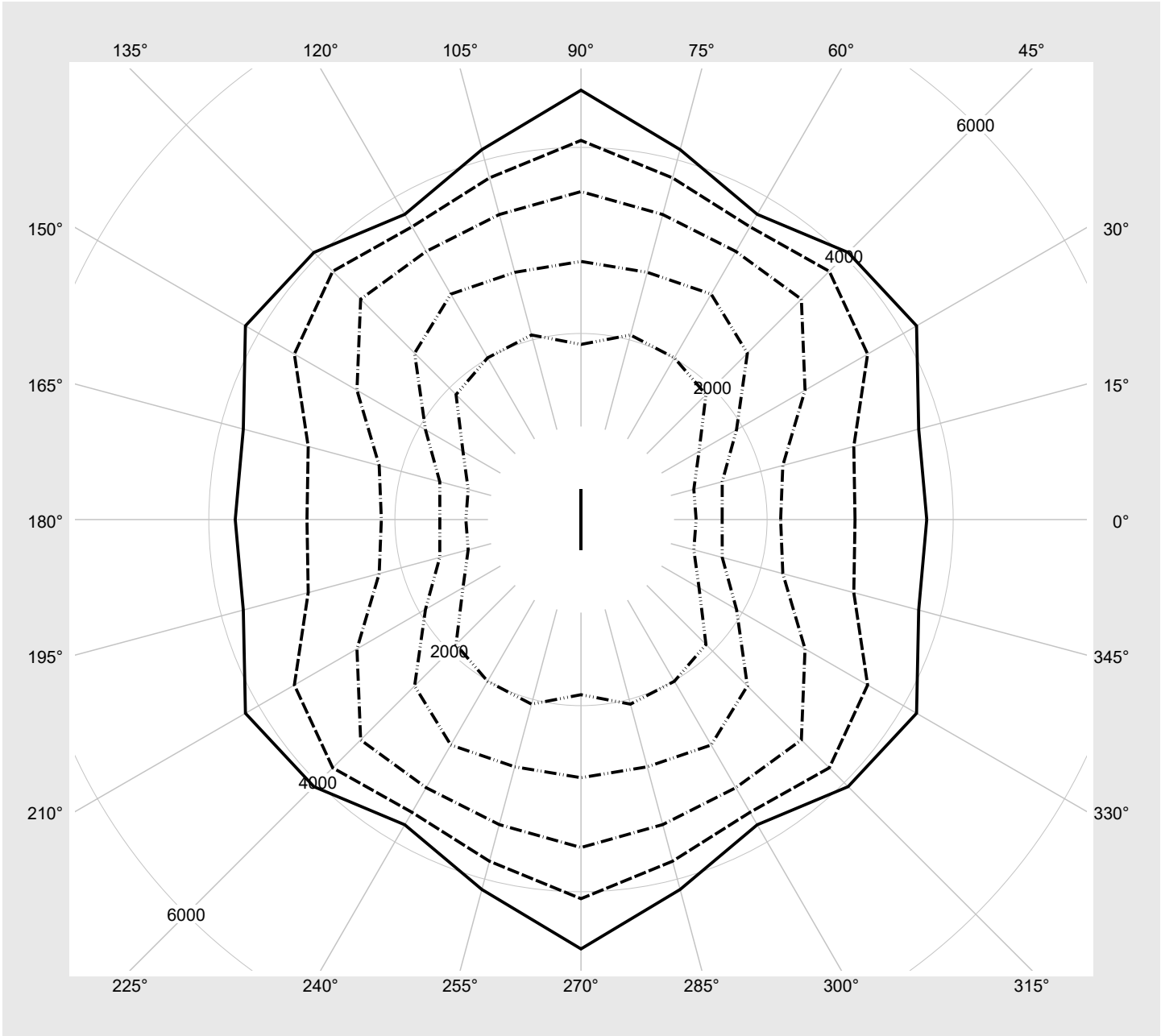
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°	45°	4943.9	4758.4	4420.5	4465.2	4559.8	5104.8	5788.4	
50°	50°	4815.5	4627.2	3947.2	3944.9	3970.2	4639.6	5628.3	
55°	55°	4920.5	4906.6	4265.3	3878.5	3758.6	4487.5	5469.3	
60°	60°	4357.9	4384.5	4572.5	4028.7	3730.1	4340.1	5092.5	
65°	65°	3715.9	3757.4	4164.4	4059.9	3788.0	4116.2	4614.7	
70°	70°	2945.1	3035.3	3557.1	3773.7	3633.3	3801.7	4075.0	
75°	75°	2145.6	2245.6	2780.3	3349.3	3327.9	3394.1	3525.0	
80°	80°	1517.2	1571.4	1930.0	2528.9	2798.0	2751.2	2774.6	
85°	85°	1237.6	1255.2	1464.8	1899.3	2007.1	2053.8	1882.5	

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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	5800	31.8
95	241	252	5514	30.2
90	228	250	5229	28.6
85	215	248	4940	27.2
80	201	245	4630	25.5
75	189	243	4361	24.2
70	176	241	4070	22.7
65	163	238	3775	21.1
60	150	235	3480	19.6
55	137	231	3183	18.0
50	125	228	2908	16.5
45	112	224	2610	14.9
40	100	220	2331	13.4
35	87	215	2032	11.8
30	75	209	1751	10.9
25	62	202	1450	9.4
20	50	194	1167	7.9
15	37	183	862	6.4
14	36	182	839	6.3