

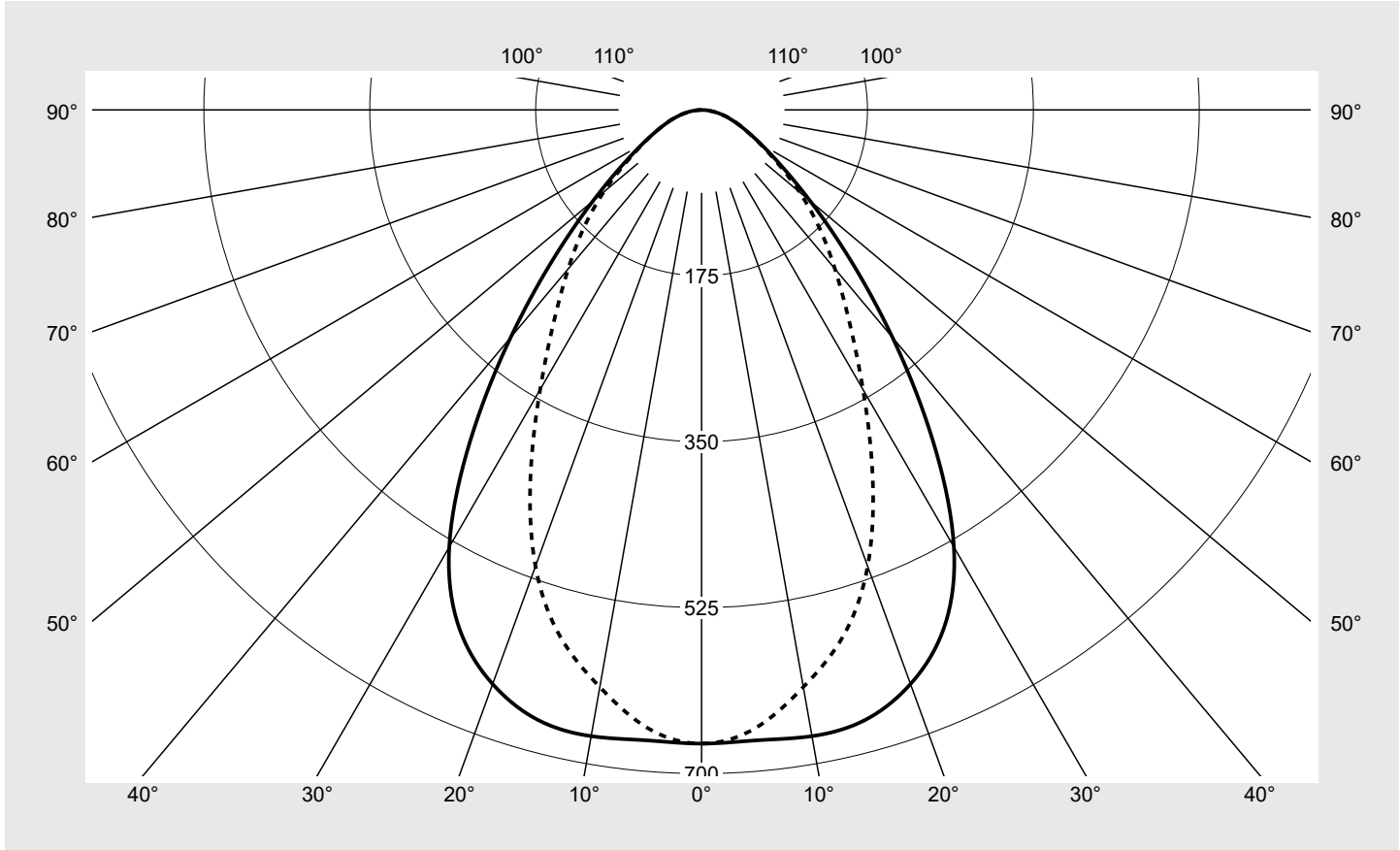
Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12DN465G EAN: 4058352890844	LP number 59101_281
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 6500 lm Power consumption = 35.1 W Luminous efficacy = 185.2 lm/W	serial documentation 03.08.2023





Luminous intensity in cd/klm C180-0 C270-90 **Imax: 671 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=72 N2=92 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°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	4.0	4.0
5°	667.5	664.4	657.4	655.8	655.7	654.2	654.4	31.4	35.4
10°	670.7	665.0	649.1	636.1	625.3	618.7	618.1	60.9	96.3
15°	666.2	657.2	632.9	612.0	594.0	578.5	575.5	87.4	183.7
20°	644.4	632.9	606.9	585.4	554.6	522.7	512.3	108.8	292.5
25°	604.1	590.6	566.7	541.2	494.5	444.9	427.0	121.8	414.2
30°	532.4	517.7	496.3	466.1	413.9	359.9	340.6	122.9	537.1
35°	425.0	409.7	387.0	361.9	325.4	286.0	271.1	111.0	648.1
40°	313.4	295.8	270.7	255.1	246.8	229.4	218.8	91.8	739.9
45°	219.2	200.3	175.7	171.1	181.8	184.7	175.5	71.8	811.7
50°	149.7	132.6	112.6	116.3	133.0	145.6	134.9	54.8	866.5
55°	102.7	89.1	74.7	81.5	98.1	107.9	98.1	41.3	907.7
60°	72.4	62.1	51.3	58.3	71.8	76.5	71.0	31.0	938.7
65°	52.1	44.3	35.9	41.6	51.4	54.2	52.1	23.1	961.9
70°	37.6	31.7	24.7	29.1	35.6	38.4	38.3	16.9	978.8
75°	26.0	21.3	16.2	19.0	22.9	25.9	26.8	11.6	990.4
80°	16.1	12.5	9.2	10.4	12.6	14.8	15.7	6.8	997.3
85°	7.0	5.4	3.8	4.1	4.8	5.7	5.8	2.7	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	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	20.2	21.7	20.6	22.0	22.3	20.2	21.6	20.6	21.9	22.3
	3H	20.8	22.1	21.2	22.4	22.8	21.0	22.2	21.4	22.6	22.9
	4H	21.1	22.3	21.5	22.6	23.0	21.3	22.5	21.7	22.8	23.2
	6H	21.4	22.4	21.8	22.8	23.2	21.6	22.6	22.0	23.0	23.4
	8H	21.5	22.5	22.0	22.9	23.3	21.7	22.7	22.1	23.1	23.5
	12H	21.6	22.5	22.0	22.9	23.3	21.8	22.7	22.2	23.0	23.5
4H	2H	20.4	21.6	20.8	22.0	22.3	20.4	21.6	20.8	21.9	22.3
	3H	21.1	22.1	21.5	22.5	22.9	21.3	22.3	21.8	22.7	23.1
	4H	21.4	22.3	21.9	22.7	23.1	21.8	22.7	22.2	23.1	23.5
	6H	21.7	22.5	22.2	22.9	23.4	22.1	22.9	22.6	23.3	23.8
	8H	21.9	22.6	22.4	23.0	23.5	22.3	23.0	22.7	23.4	23.9
	12H	22.0	22.6	22.5	23.1	23.5	22.4	22.9	22.9	23.4	23.9
8H	4H	21.5	22.2	22.0	22.6	23.1	21.8	22.5	22.3	23.0	23.4
	6H	21.9	22.4	22.4	22.9	23.4	22.3	22.8	22.8	23.3	23.8
	8H	22.0	22.5	22.5	23.0	23.5	22.4	22.9	22.9	23.4	23.9
	12H	22.2	22.6	22.7	23.1	23.6	22.6	23.0	23.1	23.5	24.0
12H	4H	21.5	22.1	22.0	22.6	23.1	21.9	22.4	22.3	22.9	23.4
	6H	21.9	22.3	22.4	22.8	23.4	22.3	22.7	22.8	23.2	23.8
	8H	22.0	22.4	22.6	22.9	23.5	22.5	22.9	23.0	23.4	23.9

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500
			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°		23162.7	21168.7	18561.5	18082.1	19208.8	19515.3	18545.9
50°		17398.2	15409.3	13089.0	13518.5	15458.3	16925.5	15674.5
55°		13373.0	11609.3	9732.6	10619.0	12775.5	14061.0	12772.3
60°		10815.7	9284.2	7666.7	8718.1	10723.8	11432.7	10606.1
65°		9210.9	7839.5	6355.1	7358.5	9095.1	9573.8	9202.0
70°		8208.1	6921.0	5396.5	6346.7	7769.2	8388.5	8367.3
75°		7505.1	6147.8	4685.9	5478.3	6613.7	7464.9	7734.0
80°		6922.3	5396.7	3970.4	4494.0	5432.8	6388.8	6773.0
85°		6003.2	4623.9	3265.2	3520.6	4138.7	4846.8	5004.5

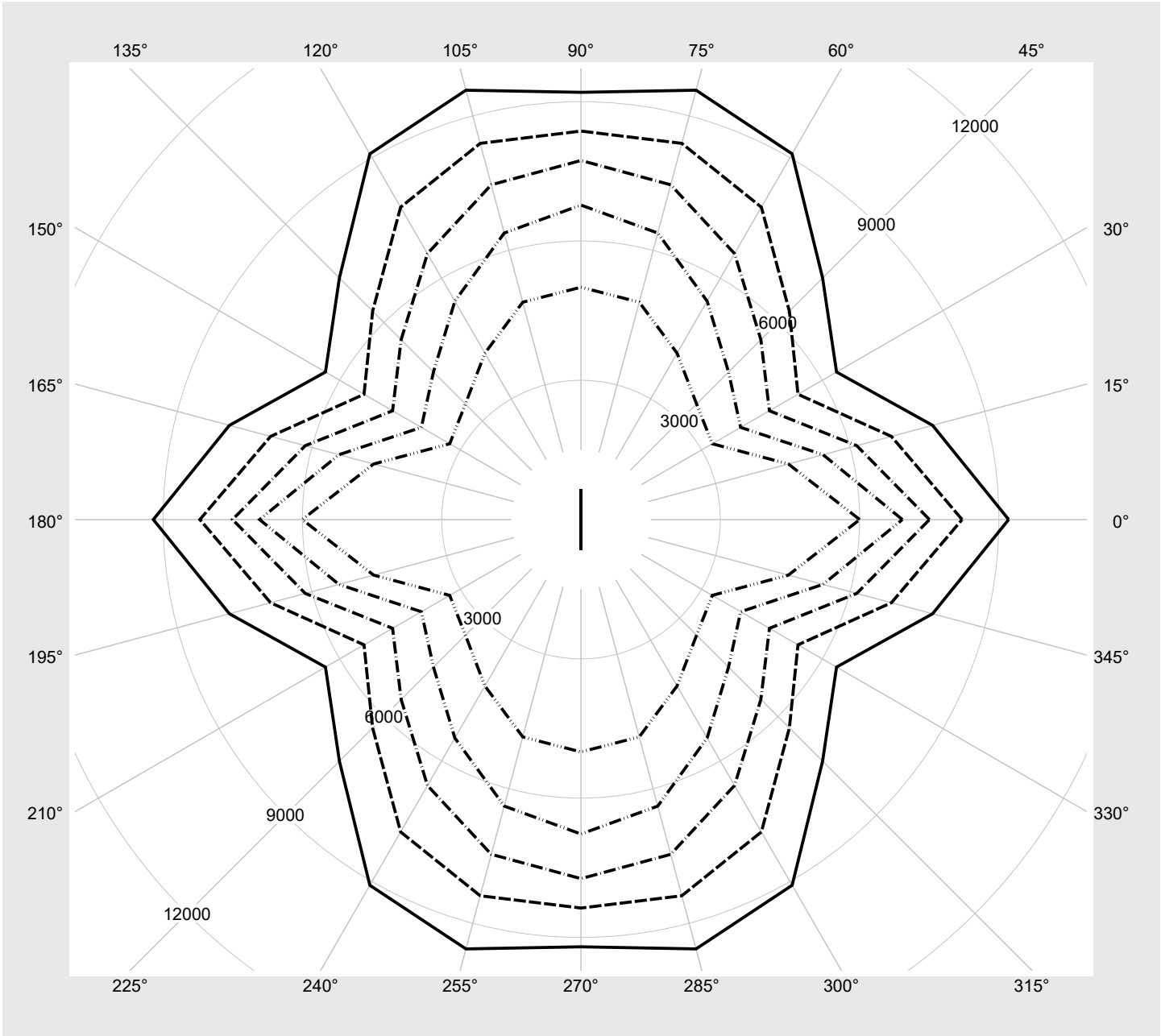
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Luminance values in cd/m²

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	6500	35.1
95	241	252	6183	33.4
90	227	250	5840	31.5
85	214	248	5518	29.7
80	201	245	5195	28.0
75	188	243	4871	26.4
70	175	240	4543	24.8
65	162	238	4217	23.1
60	150	235	3910	21.5
55	137	231	3580	19.9
50	124	228	3245	18.1
45	112	224	2935	16.4
40	99	219	2599	14.6
35	87	215	2286	12.9
30	74	209	1947	11.6
25	62	202	1632	10.2
20	49	194	1287	8.5
15	37	183	972	6.8
13	32	178	840	6.2