

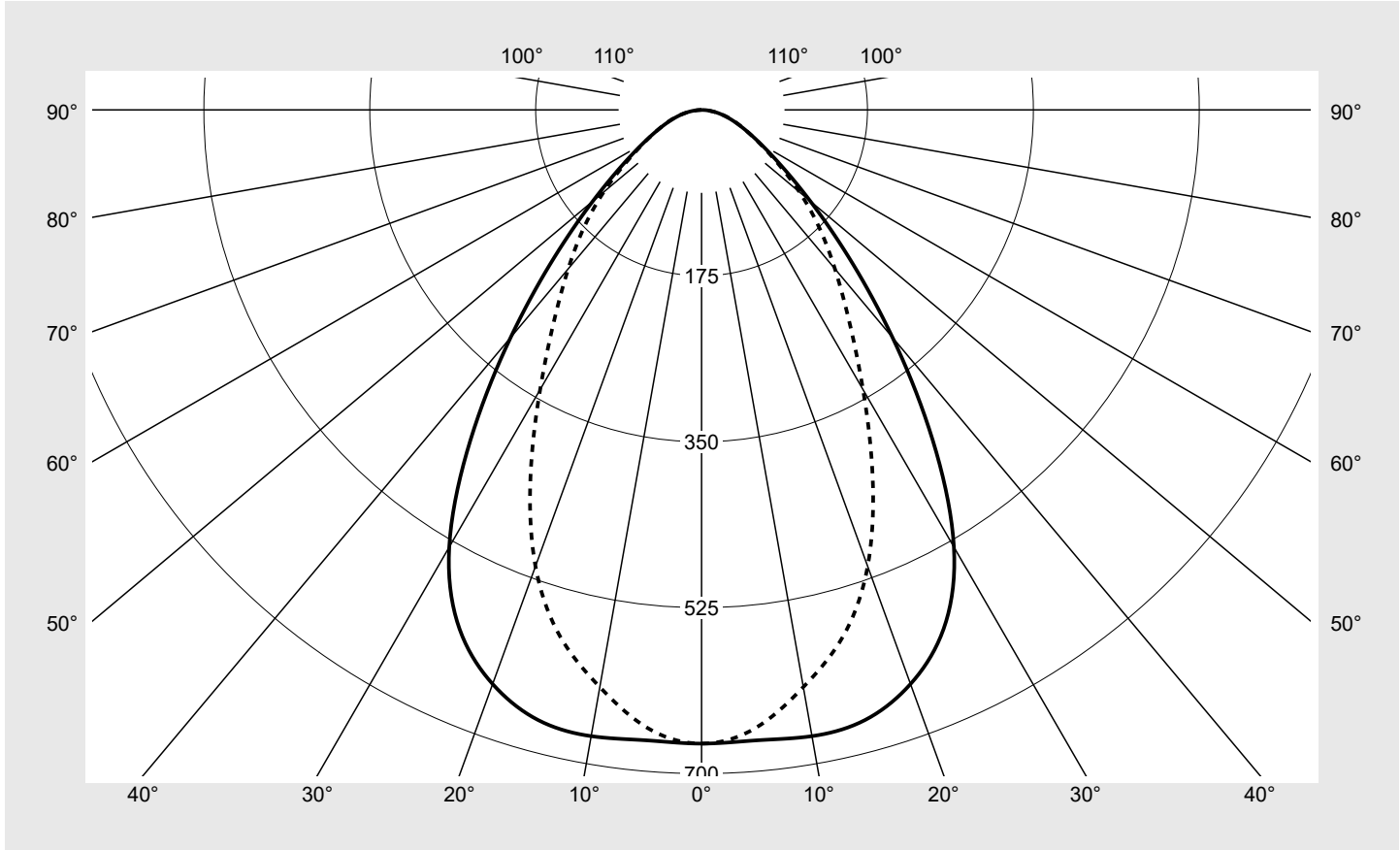
Photometric test report

Family Licross® 21 Recessed	Order number: 52TE12DN465G EAN: 4058352013342	LP number 59101_365
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 6590 lm Power consumption = 36.3 W Luminous efficacy = 181.5 lm/W	serial documentation 24.11.2023





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	20.3	21.7	20.7	22.0	22.4	20.2	21.7	20.6	22.0	22.3
	3H	20.9	22.1	21.3	22.5	22.8	21.0	22.3	21.4	22.6	23.0
	4H	21.2	22.3	21.6	22.7	23.1	21.4	22.5	21.8	22.9	23.3
	6H	21.4	22.5	21.8	22.9	23.2	21.6	22.7	22.0	23.1	23.5
	8H	21.6	22.5	22.0	22.9	23.3	21.8	22.7	22.2	23.1	23.5
	12H	21.7	22.5	22.1	22.9	23.3	21.8	22.7	22.2	23.1	23.5
4H	2H	20.5	21.6	20.9	22.0	22.4	20.4	21.6	20.8	22.0	22.3
	3H	21.1	22.1	21.6	22.5	22.9	21.4	22.4	21.8	22.8	23.2
	4H	21.5	22.3	21.9	22.8	23.2	21.8	22.7	22.3	23.1	23.6
	6H	21.8	22.5	22.3	23.0	23.4	22.2	22.9	22.7	23.4	23.8
	8H	21.9	22.6	22.4	23.1	23.5	22.3	23.0	22.8	23.4	23.9
	12H	22.1	22.6	22.6	23.1	23.6	22.4	23.0	22.9	23.5	24.0
8H	4H	21.5	22.2	22.0	22.7	23.2	21.9	22.6	22.4	23.0	23.5
	6H	21.9	22.5	22.4	22.9	23.4	22.3	22.9	22.8	23.4	23.9
	8H	22.1	22.6	22.6	23.0	23.6	22.5	23.0	23.0	23.5	24.0
	12H	22.2	22.6	22.7	23.1	23.7	22.6	23.0	23.1	23.5	24.1
12H	4H	21.6	22.1	22.1	22.6	23.1	21.9	22.5	22.4	22.9	23.4
	6H	21.9	22.4	22.4	22.9	23.4	22.3	22.8	22.8	23.3	23.8
	8H	22.1	22.5	22.6	23.0	23.5	22.5	22.9	23.0	23.4	24.0

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°		23483.4	21461.8	18818.6	18332.4	19474.8	19785.5	18802.7	
50°		17639.1	15622.6	13270.3	13705.7	15672.3	17159.9	15891.5	
55°		13558.2	11770.1	9867.3	10766.0	12952.4	14255.7	12949.1	
60°		10965.5	9412.8	7772.9	8838.8	10872.3	11591.0	10752.9	
65°		9338.4	7948.1	6443.1	7460.4	9221.0	9706.4	9329.4	
70°		8321.7	7016.8	5471.2	6434.6	7876.8	8504.7	8483.2	
75°		7609.0	6232.9	4750.8	5554.2	6705.2	7568.3	7841.1	
80°		7018.2	5471.4	4025.3	4556.2	5508.0	6477.3	6866.8	
85°		6086.3	4687.9	3310.4	3569.4	4196.0	4913.9	5073.8	

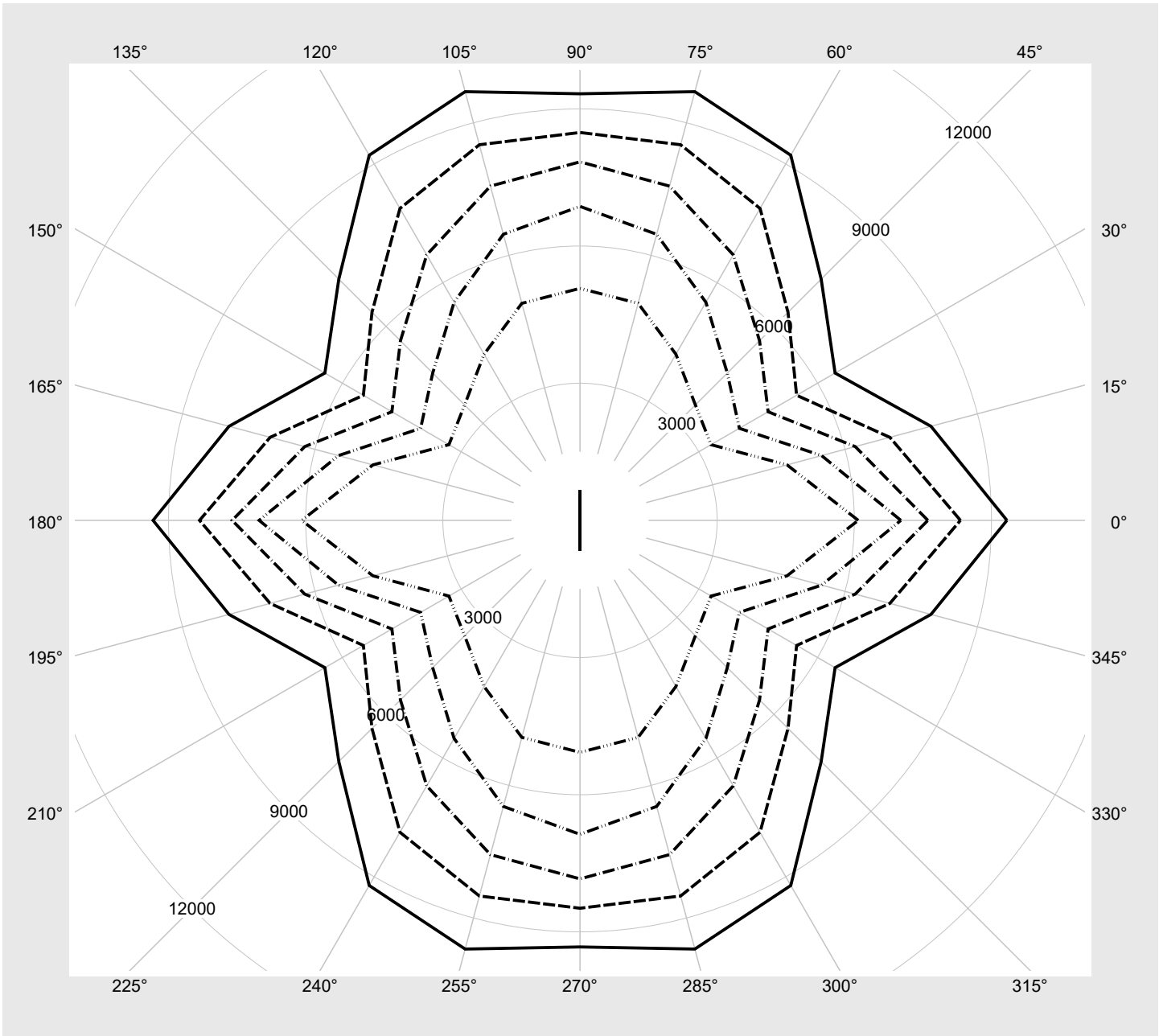
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Luminance values in cd/m²

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	6590	36.3
95	241	252	6270	34.5
90	227	250	5922	32.5
85	214	248	5595	30.7
80	201	245	5270	29.0
75	188	243	4940	27.3
70	175	240	4608	25.4
65	162	238	4277	23.7
60	150	235	3966	22.1
55	137	231	3632	20.3
50	124	228	3292	18.6
45	112	224	2979	17.0
40	99	219	2637	15.3
35	87	215	2319	13.7
30	74	209	1976	11.9
25	62	202	1655	10.3
20	49	194	1306	8.6
15	37	183	986	6.9
10	25	169	661	5.3
5	13	145	338	3.8
2	6	117	146	2.9