

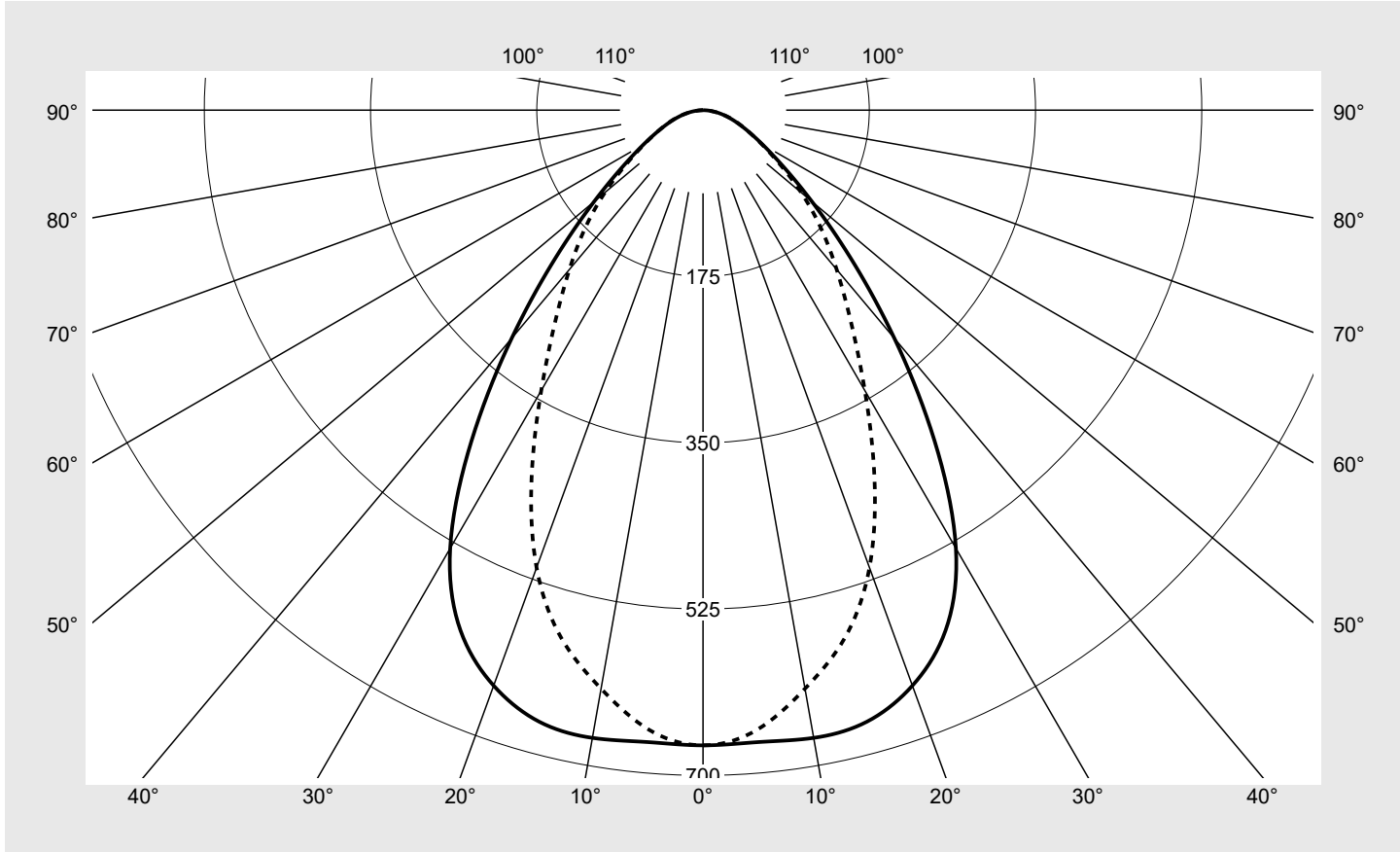
Photometric test report

Family Licross® 21 Recessed	Order number: 52TE12DV6FXG EAN: 4058352969304	LP number 59101_363
	Version cover frosted, wide distribution, high visual comfort Lamps LED 6500 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 15000 lm Power consumption = 85.3 W Luminous efficacy = 175.8 lm/W	serial documentation 28.09.2023





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	21.7	23.2	22.1	23.5	23.8	21.7	23.1	22.0	23.4	23.7
	3H	22.3	23.6	22.7	23.9	24.3	22.5	23.7	22.9	24.1	24.4
	4H	22.6	23.8	23.0	24.1	24.5	22.8	24.0	23.2	24.3	24.7
	6H	22.9	23.9	23.3	24.3	24.7	23.1	24.1	23.5	24.5	24.9
	8H	23.0	24.0	23.5	24.4	24.8	23.2	24.2	23.6	24.6	25.0
	12H	23.1	24.0	23.5	24.4	24.8	23.2	24.1	23.7	24.5	25.0
4H	2H	21.9	23.1	22.3	23.4	23.8	21.9	23.1	22.3	23.4	23.8
	3H	22.6	23.6	23.0	23.9	24.4	22.8	23.8	23.3	24.2	24.6
	4H	22.9	23.8	23.4	24.2	24.6	23.3	24.2	23.7	24.6	25.0
	6H	23.2	24.0	23.7	24.4	24.9	23.6	24.4	24.1	24.8	25.3
	8H	23.4	24.1	23.9	24.5	25.0	23.8	24.4	24.2	24.9	25.4
	12H	23.5	24.1	24.0	24.5	25.0	23.9	24.4	24.4	24.9	25.4
8H	4H	23.0	23.7	23.5	24.1	24.6	23.3	24.0	23.8	24.5	24.9
	6H	23.4	23.9	23.9	24.4	24.9	23.8	24.3	24.3	24.8	25.3
	8H	23.5	24.0	24.0	24.5	25.0	23.9	24.4	24.4	24.9	25.4
	12H	23.7	24.1	24.2	24.6	25.1	24.1	24.5	24.6	25.0	25.5
12H	4H	23.0	23.6	23.5	24.1	24.6	23.4	23.9	23.8	24.4	24.9
	6H	23.4	23.8	23.9	24.3	24.9	23.8	24.2	24.3	24.7	25.3
	8H	23.5	23.9	24.1	24.4	25.0	24.0	24.4	24.5	24.9	25.4

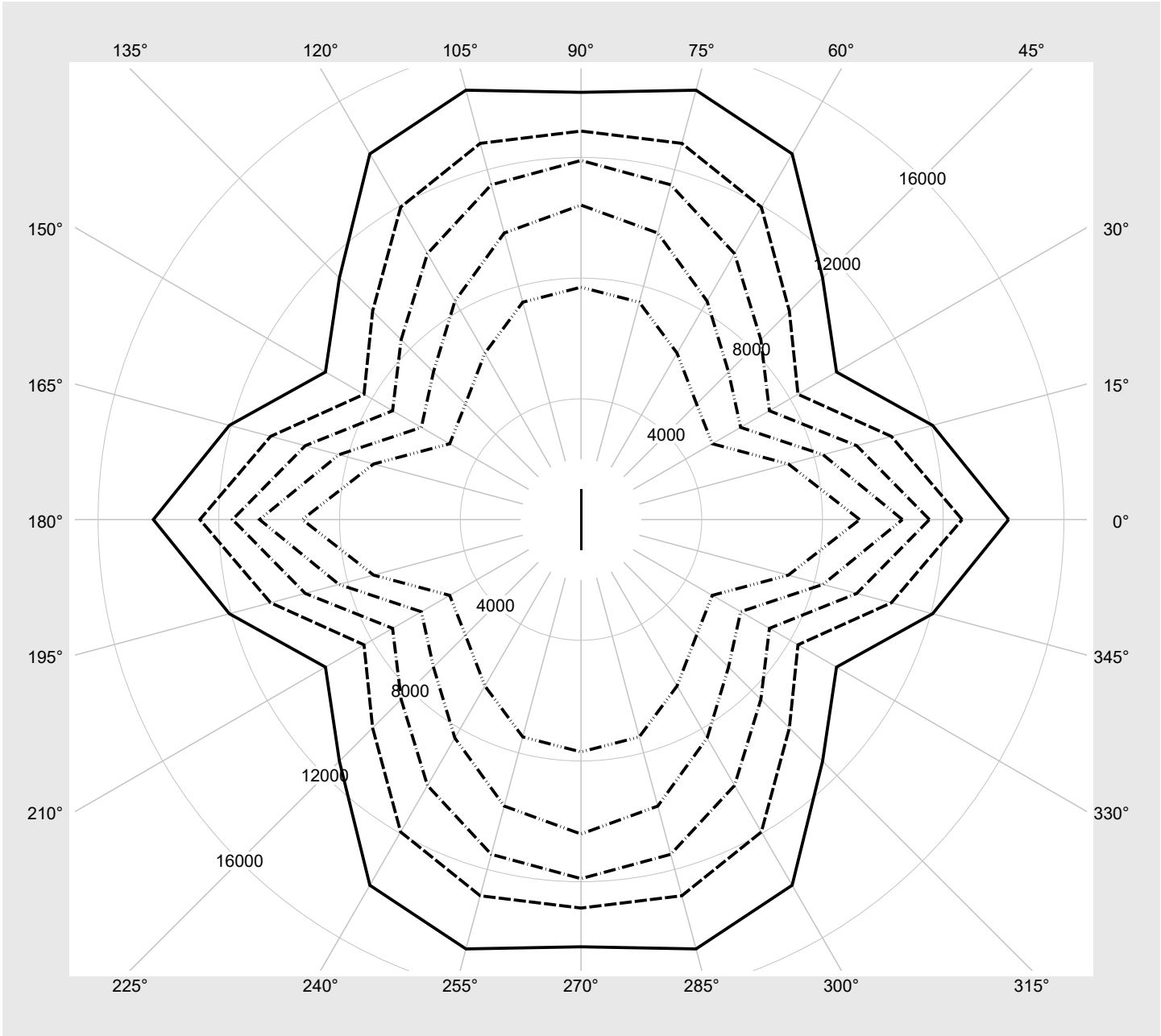
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2250 B = 58
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C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		35634.9	32567.2	28556.2	27818.6	29552.0	30023.6	28532.2	
50°		26766.5	23706.5	20137.0	20797.7	23782.0	26039.2	24114.6	
55°		20573.9	17860.5	14973.2	16336.9	19654.7	21632.4	19649.6	
60°		16639.5	14283.4	11794.9	13412.4	16498.2	17588.7	16317.0	
65°		14170.6	12060.8	9777.0	11320.8	13992.4	14728.9	14157.0	
70°		12627.8	10647.7	8302.3	9764.2	11952.6	12905.4	12872.8	
75°		11546.3	9458.1	7209.1	8428.2	10174.9	11484.5	11898.4	
80°		10649.8	8302.6	6108.3	6913.8	8358.2	9829.0	10420.1	
85°		9235.7	7113.7	5023.4	5416.4	6367.3	7456.6	7699.3	

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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	15000	85.3
95	240	252	14243	80.7
90	226	250	13477	76.1
85	213	248	12756	71.7
80	199	245	11974	67.0
75	186	243	11236	62.7
70	173	240	10495	58.3
65	160	237	9748	54.0
60	147	234	8994	49.7
55	134	231	8231	45.4
50	122	227	7518	41.4
45	109	223	6742	37.3
40	97	219	6020	33.4
35	84	213	5231	29.2
30	72	208	4495	25.3
25	60	201	3754	21.5
20	48	193	3008	17.4
15	36	182	2257	13.3
10	24	168	1501	9.0
5	12	142	741	4.4
2	4	102	228	1.4