

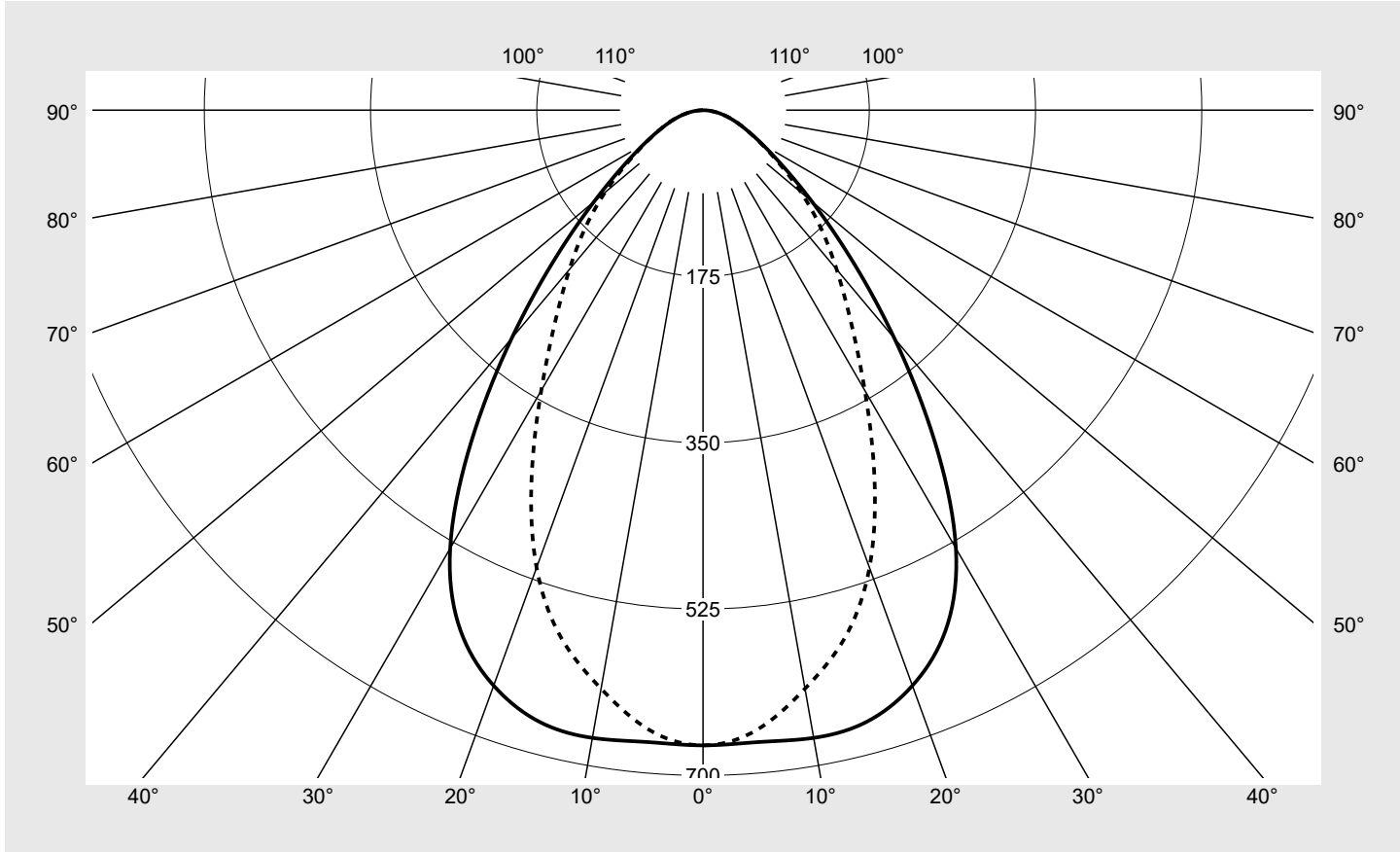


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12DV4FXGD EAN: 4058352891025	LP number 59101_298
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Setting DC mode (central or group accumulator) initial emergency light level Rated values Net luminous flux = 2310 lm Power consumption = 13.2 W Luminous efficacy = 175 lm/W	serial documentation 10.08.2023 

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°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
	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	15.2	16.7	15.6	17.0	17.3	15.2	16.6	15.5	16.9	17.2
	3H	15.8	17.1	16.2	17.4	17.8	16.0	17.2	16.4	17.6	17.9
	4H	16.1	17.3	16.5	17.6	18.0	16.3	17.5	16.7	17.8	18.2
	6H	16.4	17.4	16.8	17.8	18.2	16.6	17.6	17.0	18.0	18.4
	8H	16.5	17.5	17.0	17.9	18.3	16.7	17.7	17.1	18.1	18.5
	12H	16.6	17.5	17.0	17.9	18.3	16.7	17.6	17.2	18.0	18.5
4H	2H	15.4	16.6	15.8	16.9	17.3	15.4	16.6	15.8	16.9	17.3
	3H	16.1	17.1	16.5	17.4	17.9	16.3	17.3	16.8	17.7	18.1
	4H	16.4	17.3	16.9	17.7	18.1	16.8	17.7	17.2	18.1	18.5
	6H	16.7	17.5	17.2	17.9	18.4	17.1	17.9	17.6	18.3	18.8
	8H	16.9	17.6	17.4	18.0	18.5	17.3	17.9	17.7	18.4	18.9
	12H	17.0	17.6	17.5	18.0	18.5	17.4	17.9	17.9	18.4	18.9
8H	4H	16.5	17.2	17.0	17.6	18.1	16.8	17.5	17.3	18.0	18.4
	6H	16.9	17.4	17.4	17.9	18.4	17.3	17.8	17.8	18.3	18.8
	8H	17.0	17.5	17.5	18.0	18.5	17.4	17.9	17.9	18.4	18.9
	12H	17.2	17.6	17.7	18.1	18.6	17.6	18.0	18.1	18.5	19.0
12H	4H	16.5	17.1	17.0	17.6	18.1	16.9	17.4	17.3	17.9	18.4
	6H	16.9	17.3	17.4	17.8	18.4	17.3	17.7	17.8	18.2	18.8
	8H	17.0	17.4	17.6	17.9	18.5	17.5	17.9	18.0	18.4	18.9

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°		5487.8	5015.4	4397.7	4284.1	4551.0	4623.6	4394.0	
50°		4122.0	3650.8	3101.1	3202.8	3662.4	4010.0	3713.7	
55°		3168.4	2750.5	2305.9	2515.9	3026.8	3331.4	3026.0	
60°		2562.5	2199.7	1816.4	2065.5	2540.7	2708.7	2512.8	
65°		2182.3	1857.4	1505.7	1743.4	2154.8	2268.3	2180.2	
70°		1944.7	1639.7	1278.5	1503.7	1840.7	1987.4	1982.4	
75°		1778.1	1456.5	1110.2	1297.9	1566.9	1768.6	1832.4	
80°		1640.1	1278.6	940.7	1064.7	1287.2	1513.7	1604.7	
85°		1422.3	1095.5	773.6	834.1	980.6	1148.3	1185.7	

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Luminance values in cd/m²

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°

