



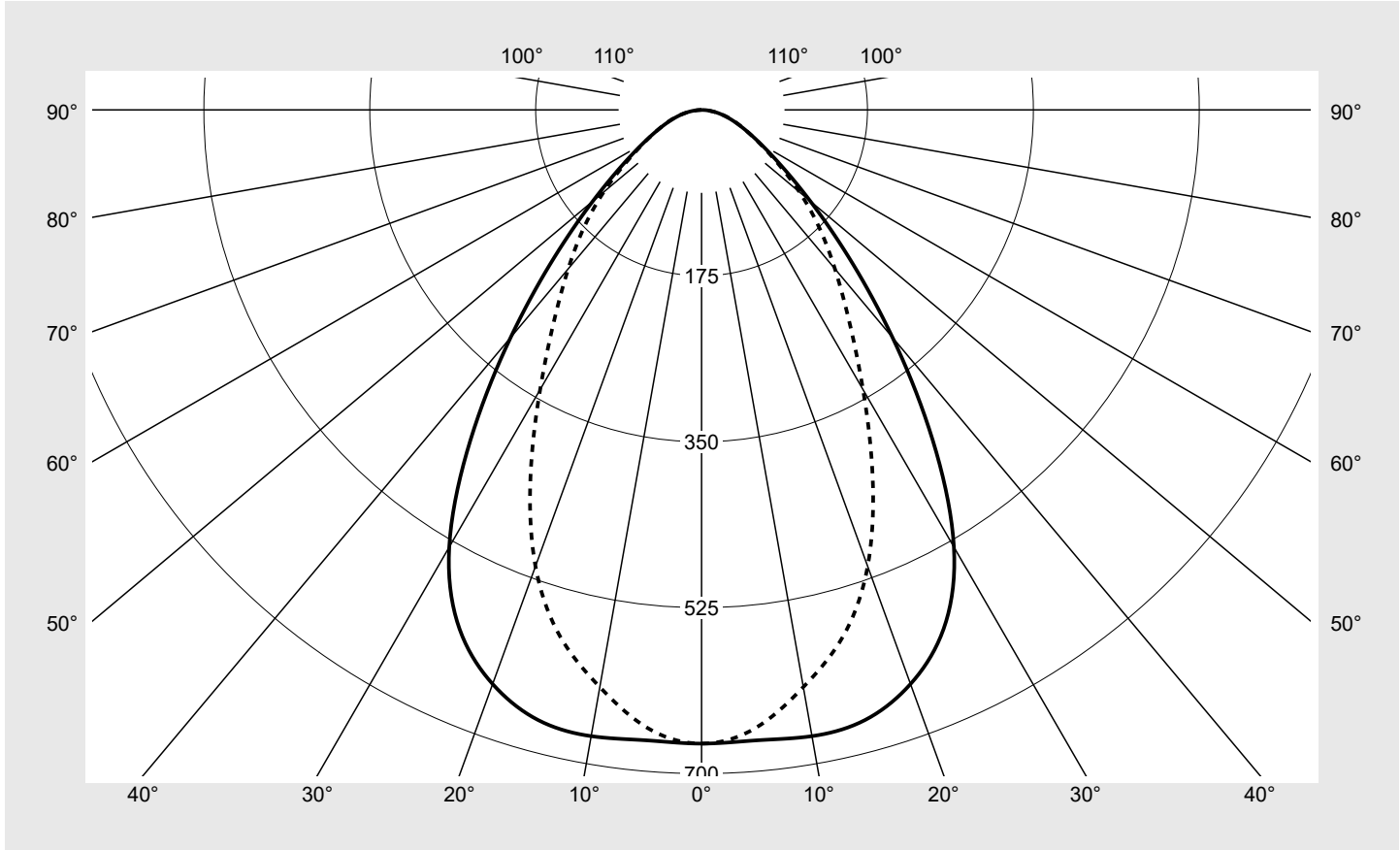
Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12DN4AXG3S EAN: 4058352908105	LP number 59101_328
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Setting emergency light operation: 3 h Rated values Net luminous flux = 950 lm Power consumption = 6.7 W Luminous efficacy = 141.8 lm/W	serial documentation 17.08.2023





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	13.6	15.0	13.9	15.3	15.6	13.5	14.9	13.9	15.2	15.6
	3H	14.2	15.4	14.5	15.8	16.1	14.3	15.6	14.7	15.9	16.2
	4H	14.4	15.6	14.8	16.0	16.3	14.6	15.8	15.0	16.2	16.5
	6H	14.7	15.8	15.1	16.1	16.5	14.9	16.0	15.3	16.3	16.7
	8H	14.9	15.8	15.3	16.2	16.6	15.0	16.0	15.5	16.4	16.8
	12H	14.9	15.8	15.4	16.2	16.6	15.1	16.0	15.5	16.4	16.8
4H	2H	13.7	14.9	14.1	15.3	15.6	13.7	14.9	14.1	15.2	15.6
	3H	14.4	15.4	14.8	15.8	16.2	14.7	15.6	15.1	16.0	16.4
	4H	14.7	15.6	15.2	16.0	16.5	15.1	16.0	15.5	16.4	16.8
	6H	15.1	15.8	15.5	16.2	16.7	15.5	16.2	15.9	16.7	17.1
	8H	15.2	15.9	15.7	16.3	16.8	15.6	16.3	16.1	16.7	17.2
	12H	15.3	15.9	15.8	16.4	16.9	15.7	16.3	16.2	16.7	17.2
8H	4H	14.8	15.5	15.3	15.9	16.4	15.2	15.8	15.6	16.3	16.8
	6H	15.2	15.7	15.7	16.2	16.7	15.6	16.1	16.1	16.6	17.1
	8H	15.3	15.8	15.8	16.3	16.8	15.8	16.2	16.3	16.7	17.3
	12H	15.5	15.9	16.0	16.4	16.9	15.9	16.3	16.4	16.8	17.3
12H	4H	14.8	15.4	15.3	15.9	16.4	15.2	15.7	15.7	16.2	16.7
	6H	15.2	15.7	15.7	16.2	16.7	15.6	16.1	16.1	16.6	17.1
	8H	15.4	15.8	15.9	16.3	16.8	15.8	16.2	16.3	16.7	17.2

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°		3385.3	3093.9	2712.8	2642.8	2807.4	2852.2	2710.6	
50°		2542.8	2252.1	1913.0	1975.8	2259.3	2473.7	2290.9	
55°		1954.5	1696.7	1422.5	1552.0	1867.2	2055.1	1866.7	
60°		1580.8	1356.9	1120.5	1274.2	1567.3	1670.9	1550.1	
65°		1346.2	1145.8	928.8	1075.5	1329.3	1399.2	1344.9	
70°		1199.6	1011.5	788.7	927.6	1135.5	1226.0	1222.9	
75°		1096.9	898.5	684.9	800.7	966.6	1091.0	1130.4	
80°		1011.7	788.7	580.3	656.8	794.0	933.8	989.9	
85°		877.4	675.8	477.2	514.6	604.9	708.4	731.4	

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco

