
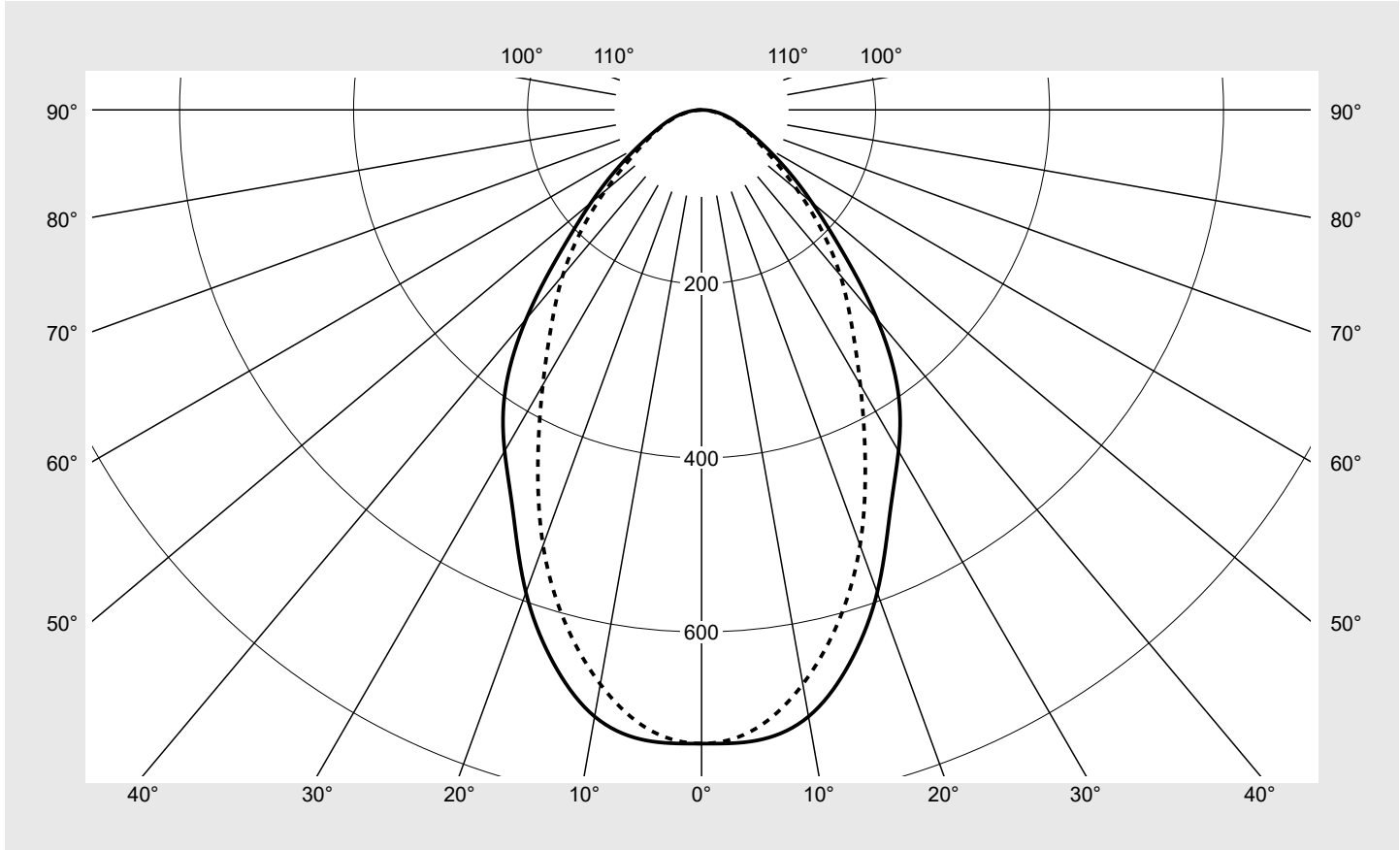


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12DN4FXM3C EAN: 4058352908143	LP number 59446_70
	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 = 930 lm Power consumption = 7.5 W Luminous efficacy = 124 lm/W	serial documentation 17.08.2023



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 728 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=69 N2=91 N3=98 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°	728.4	728.4	728.4	728.4	728.4	728.4	728.4	4.4	4.4
5°	727.5	724.8	717.6	716.9	716.5	714.4	713.9	34.3	38.7
10°	708.0	704.6	693.5	687.1	680.0	672.5	670.2	65.5	104.1
15°	658.1	653.2	637.7	629.5	623.7	612.7	608.6	89.6	193.8
20°	590.3	582.5	562.9	551.9	546.6	538.5	532.6	104.5	298.2
25°	512.2	499.8	475.2	461.5	453.8	449.4	445.1	108.8	407.1
30°	452.8	433.7	396.2	371.8	363.4	365.0	364.9	106.8	513.9
35°	393.4	374.1	335.3	295.7	285.6	295.2	300.5	101.3	615.2
40°	313.5	300.8	276.8	238.3	224.4	239.2	248.1	91.6	706.8
45°	227.2	217.7	208.5	191.4	176.2	187.2	194.9	77.0	783.8
50°	165.8	151.3	143.3	147.8	138.9	142.4	144.5	61.5	845.3
55°	119.7	105.2	93.7	108.9	109.4	104.2	103.2	47.4	892.7
60°	84.3	73.0	63.0	78.5	83.8	75.4	76.1	35.9	928.6
65°	60.6	51.5	43.5	55.3	61.5	55.5	56.9	27.0	955.6
70°	44.8	36.9	29.5	37.3	40.5	40.0	42.0	19.5	975.1
75°	31.9	25.4	19.2	23.6	27.6	27.0	29.3	13.5	988.6
80°	20.2	15.5	11.1	12.8	15.3	15.6	17.2	8.0	996.7
85°	9.4	7.2	4.9	5.0	5.8	6.0	6.3	3.3	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	14.1	15.5	14.4	15.8	16.2	13.7	15.1	14.0	15.4	15.8
	3H	14.8	16.0	15.1	16.4	16.7	14.5	15.8	14.9	16.1	16.5
	4H	15.1	16.3	15.5	16.6	17.0	14.8	16.0	15.2	16.4	16.8
	6H	15.4	16.5	15.8	16.9	17.3	15.1	16.2	15.5	16.6	17.0
	8H	15.6	16.6	16.0	17.0	17.4	15.3	16.3	15.7	16.6	17.0
	12H	15.7	16.6	16.2	17.0	17.4	15.3	16.2	15.7	16.6	17.0
4H	2H	14.4	15.6	14.7	15.9	16.3	14.1	15.3	14.5	15.6	16.0
	3H	15.1	16.1	15.5	16.5	16.9	15.0	16.0	15.5	16.4	16.8
	4H	15.5	16.4	15.9	16.8	17.2	15.5	16.4	15.9	16.8	17.2
	6H	15.9	16.7	16.4	17.1	17.6	15.9	16.6	16.3	17.1	17.5
	8H	16.1	16.8	16.6	17.2	17.7	16.0	16.7	16.5	17.1	17.6
	12H	16.3	16.8	16.7	17.3	17.8	16.1	16.7	16.6	17.1	17.6
8H	4H	15.6	16.3	16.1	16.8	17.2	15.6	16.3	16.1	16.8	17.2
	6H	16.0	16.6	16.5	17.1	17.6	16.1	16.6	16.6	17.1	17.6
	8H	16.2	16.7	16.7	17.2	17.8	16.2	16.7	16.7	17.2	17.7
	12H	16.5	16.9	17.0	17.4	17.9	16.3	16.8	16.9	17.3	17.8
12H	4H	15.6	16.2	16.1	16.7	17.2	15.6	16.2	16.1	16.7	17.2
	6H	16.1	16.5	16.6	17.0	17.6	16.1	16.6	16.6	17.0	17.6
	8H	16.3	16.7	16.8	17.2	17.7	16.3	16.7	16.8	17.2	17.7

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°		3435.4	3290.9	3152.0	2893.9	2663.9	2829.3	2945.9		
50°		2757.9	2515.9	2383.0	2457.2	2310.6	2367.8	2402.3		
55°		2231.4	1961.4	1746.6	2029.8	2039.6	1941.8	1923.6		
60°		1803.2	1560.1	1346.4	1678.0	1790.9	1612.1	1627.6		
65°		1532.2	1302.6	1099.6	1399.0	1556.1	1404.9	1439.7		
70°		1399.2	1154.2	920.7	1167.1	1267.2	1248.6	1313.7		
75°		1317.4	1048.1	793.5	975.3	1139.6	1115.6	1210.5		
80°		1245.2	956.2	684.4	787.4	940.0	959.3	1059.0		
85°		1154.5	882.8	595.7	617.5	712.7	733.7	772.6		

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

