



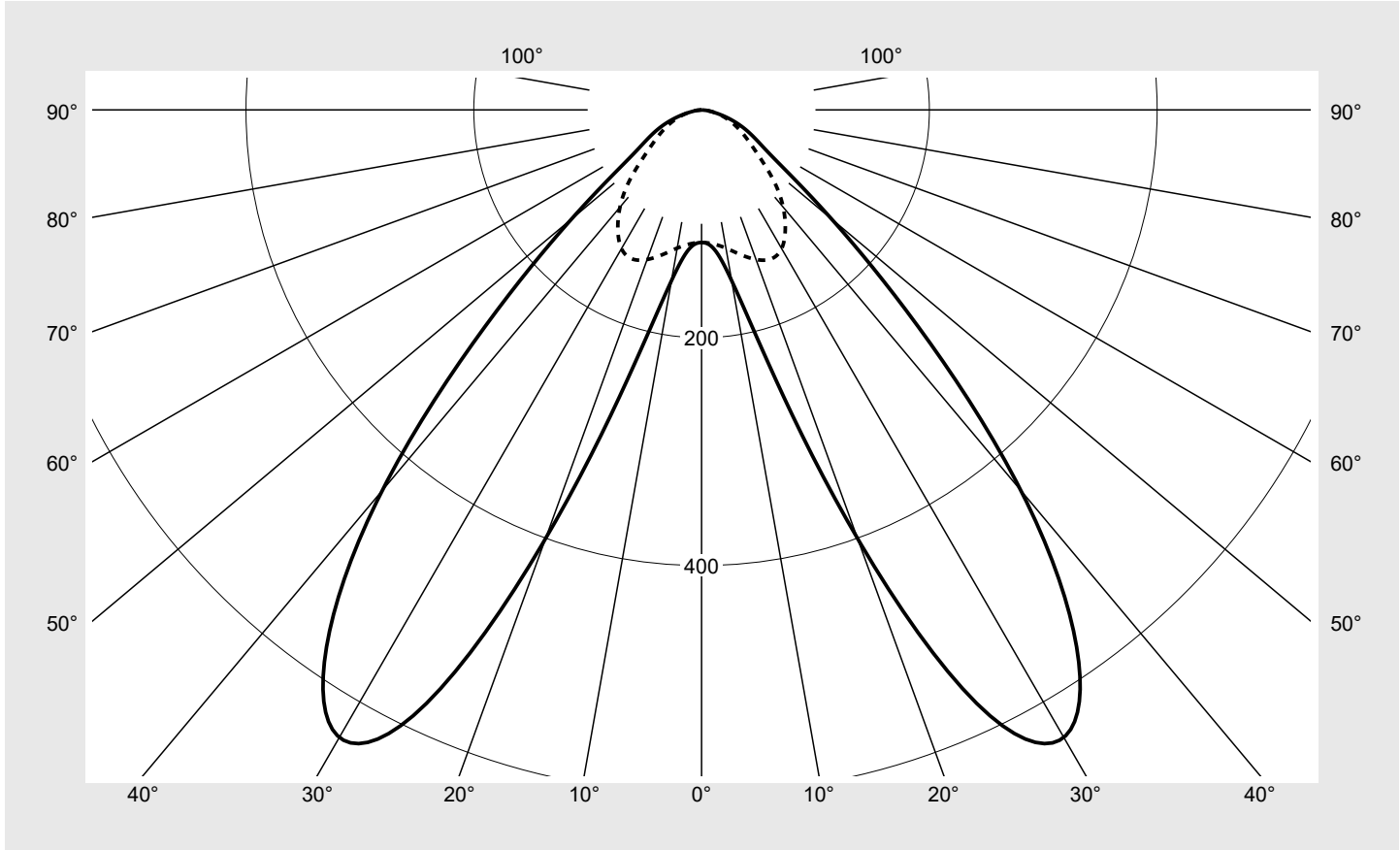
Photometric test report

Family Licross® 21 Recessed	Order number: 52TL197N48XG EAN: 4058352891483	LP number 58532_357
	Version cover frosted, double asymmetric distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Rated values Net luminous flux = 8450 lm Power consumption = 47.9 W Luminous efficacy = 176.4 lm/W	serial documentation 04.08.2023





Luminous intensity in cd/klm C180-0 C270-90 **Imax: 703 cd/klm**



Classifications	
DIN 5040	A 4 0
CIE	N1=55 N2=89 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
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C-planes γ	0° 180°	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
0°	116.4	116.4	116.4	116.4	116.4	116.4	116.4	0.7	0.7
5°	122.3	121.8	120.5	120.1	119.3	118.4	118.1	5.7	6.4
10°	152.3	149.6	141.1	133.1	127.4	124.1	123.2	12.9	19.3
15°	235.7	226.2	196.7	164.2	142.2	133.3	131.4	24.7	44.1
20°	400.4	377.8	306.4	227.1	167.8	143.8	139.7	46.6	90.7
25°	577.7	557.7	476.8	343.4	212.9	153.0	144.3	81.3	172.0
30°	636.1	636.8	610.4	517.3	280.0	157.9	140.6	118.3	290.3
35°	573.7	597.7	662.3	665.7	347.9	155.6	128.2	145.7	436.0
40°	436.2	470.5	613.4	703.5	376.1	144.6	111.4	151.6	587.6
45°	268.7	299.8	459.0	605.2	334.0	122.5	91.2	129.2	716.8
50°	149.1	168.3	276.5	419.8	259.3	97.4	69.0	93.1	809.9
55°	85.3	95.5	151.2	245.9	199.7	79.3	53.1	62.9	872.9
60°	59.3	63.7	88.0	138.5	152.7	65.0	42.1	44.2	917.1
65°	44.9	47.0	60.8	84.9	110.7	51.4	33.0	32.6	949.7
70°	31.7	33.1	42.5	56.3	76.3	38.4	24.7	23.6	973.3
75°	19.0	20.1	26.0	34.9	49.6	26.3	17.0	15.4	988.7
80°	8.8	9.4	12.7	18.2	27.0	15.2	9.8	8.3	997.0
85°	3.4	3.6	4.7	6.8	9.5	5.9	3.7	3.1	1000.0
90°	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	24.6	26.2	24.9	26.5	26.8	23.4	25.0	23.8	25.3	25.6
	3H	24.7	26.2	25.1	26.5	26.9	23.7	25.1	24.0	25.5	25.8
	4H	24.8	26.1	25.2	26.5	26.8	23.7	25.1	24.1	25.5	25.8
	6H	24.8	26.0	25.2	26.4	26.8	23.8	25.1	24.2	25.4	25.8
	8H	24.8	26.0	25.2	26.3	26.7	23.8	25.0	24.2	25.4	25.8
	12H	24.8	25.9	25.2	26.3	26.7	23.7	24.9	24.2	25.3	25.7
4H	2H	24.9	26.3	25.3	26.7	27.0	24.1	25.4	24.5	25.8	26.2
	3H	25.2	26.4	25.7	26.8	27.2	24.8	25.9	25.2	26.3	26.7
	4H	25.3	26.3	25.8	26.7	27.2	25.1	26.1	25.5	26.5	26.9
	6H	25.4	26.2	25.8	26.7	27.1	25.2	26.1	25.7	26.5	27.0
	8H	25.4	26.2	25.8	26.6	27.1	25.2	26.0	25.7	26.5	27.0
	12H	25.4	26.1	25.9	26.5	27.0	25.2	26.0	25.7	26.4	26.9
8H	4H	25.5	26.3	25.9	26.7	27.2	25.3	26.1	25.7	26.5	27.0
	6H	25.5	26.2	26.0	26.7	27.2	25.6	26.2	26.1	26.7	27.2
	8H	25.6	26.2	26.1	26.6	27.2	25.7	26.3	26.2	26.7	27.3
	12H	25.6	26.1	26.1	26.6	27.1	25.7	26.2	26.2	26.7	27.2
12H	4H	25.5	26.2	26.0	26.7	27.2	25.3	26.0	25.8	26.4	26.9
	6H	25.6	26.2	26.1	26.7	27.2	25.6	26.2	26.1	26.7	27.2
	8H	25.6	26.1	26.1	26.6	27.2	25.7	26.2	26.2	26.7	27.3

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°		36903.2	41174.2	63049.0	83124.2	45873.0	16827.9	12525.1	
50°		22524.0	25436.2	41783.6	63427.7	39183.7	14719.7	10422.6	
55°		14450.9	16170.5	25606.6	41644.0	33815.1	13420.6	8985.4	
60°		11518.0	12383.2	17096.0	26897.6	29657.6	12635.6	8179.0	
65°		10317.6	10812.6	13973.6	19514.3	25446.0	11806.4	7574.2	
70°		9013.5	9397.1	12079.3	15974.1	21677.2	10911.9	7009.4	
75°		7132.3	7550.8	9766.3	13103.2	18621.5	9876.7	6376.2	
80°		4914.8	5230.3	7100.1	10192.6	15097.4	8511.9	5501.0	
85°		3841.3	4007.4	5190.9	7524.4	10639.2	6528.2	4172.3	

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco

