


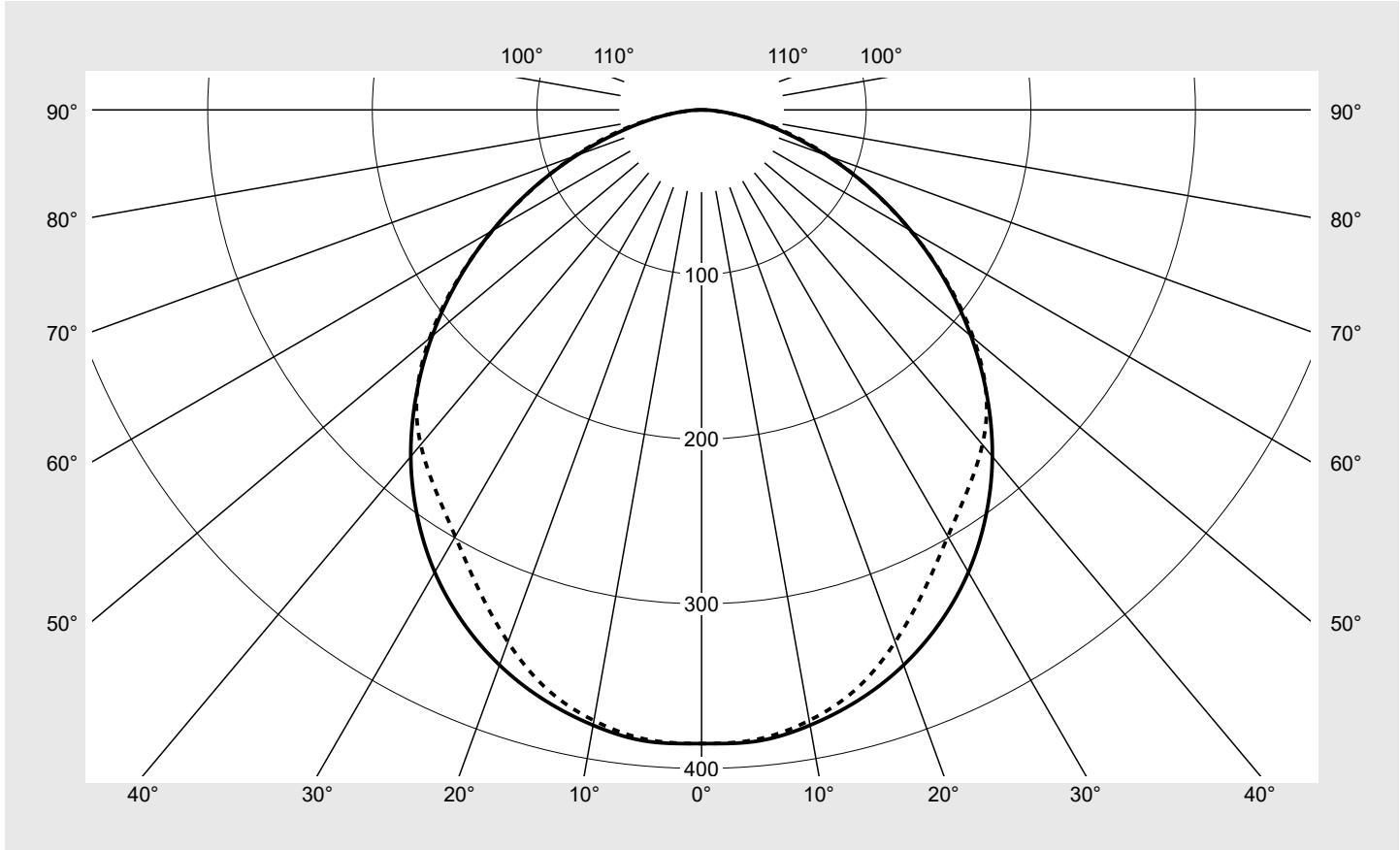
Photometric test report

Family Licross® 21 Recessed	Order number: 52TL10MN4A5G EAN: 4058352890370	LP number 58684_104
	Version cover frosted Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 10690 lm Power consumption = 60.5 W Luminous efficacy = 176.7 lm/W	serial documentation 24.08.2023





Luminous intensity in cd/klm C180-0 C270-90 **Imax: 385 cd/klm**



Classifications	
DIN 5040	A 4 0
CIE	N1=50 N2=81 N3=96 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	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°			
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	384.9	384.9	384.9	384.9	384.9	384.9	384.9	2.3	2.3
5°	384.9	383.5	380.9	382.4	383.7	383.9	383.8	18.3	20.6
10°	379.5	378.4	375.4	376.4	377.1	376.9	376.6	35.9	56.5
15°	370.8	369.9	366.1	365.8	365.5	363.9	363.9	52.0	108.5
20°	358.8	358.1	353.2	350.6	348.2	345.1	343.9	65.8	174.3
25°	343.3	342.7	336.1	331.0	326.3	322.1	320.9	76.8	251.1
30°	324.2	323.3	314.8	307.4	302.4	299.4	299.2	84.9	336.1
35°	301.1	299.6	289.7	281.8	279.3	280.0	281.8	90.2	426.3
40°	274.8	272.4	262.0	255.7	258.0	262.5	265.4	92.8	519.1
45°	245.2	241.9	231.9	229.2	235.1	240.6	244.6	92.0	611.1
50°	213.6	209.5	202.3	202.7	208.5	212.2	215.6	87.5	698.5
55°	180.7	176.6	172.5	174.4	178.1	179.3	181.7	79.5	778.0
60°	146.9	143.9	142.8	145.1	146.4	145.5	146.6	68.9	846.9
65°	113.3	112.0	113.5	115.8	115.6	113.0	112.9	56.5	903.4
70°	80.7	81.0	84.0	87.4	86.4	83.3	82.2	43.2	946.6
75°	51.4	52.0	55.5	60.1	59.2	56.0	54.4	29.6	976.3
80°	28.6	28.8	31.3	34.2	34.2	31.5	29.9	17.0	993.3
85°	11.6	11.6	12.6	13.6	13.2	11.7	10.4	6.7	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	24.9	26.6	25.3	26.9	27.2	25.0	26.6	25.3	26.9	27.2
	3H	26.2	27.7	26.6	28.1	28.4	26.3	27.8	26.7	28.1	28.5
	4H	26.7	28.1	27.1	28.5	28.8	26.8	28.2	27.2	28.6	29.0
	6H	27.0	28.3	27.4	28.7	29.1	27.2	28.5	27.6	28.8	29.2
	8H	27.2	28.4	27.6	28.7	29.1	27.3	28.5	27.7	28.9	29.3
	12H	27.2	28.3	27.6	28.7	29.2	27.4	28.5	27.8	28.9	29.3
4H	2H	25.6	27.0	26.0	27.4	27.7	25.7	27.1	26.0	27.4	27.8
	3H	27.1	28.3	27.6	28.7	29.1	27.2	28.4	27.6	28.8	29.2
	4H	27.7	28.8	28.1	29.2	29.6	27.8	28.9	28.3	29.3	29.8
	6H	28.1	29.0	28.6	29.5	29.9	28.3	29.2	28.8	29.7	30.1
	8H	28.2	29.1	28.7	29.5	30.0	28.4	29.3	28.9	29.7	30.2
	12H	28.3	29.1	28.8	29.5	30.0	28.5	29.3	29.0	29.7	30.2
8H	4H	28.0	28.9	28.5	29.3	29.8	28.2	29.0	28.6	29.5	29.9
	6H	28.5	29.2	29.0	29.7	30.2	28.7	29.4	29.2	29.9	30.4
	8H	28.7	29.3	29.2	29.8	30.3	28.9	29.5	29.4	30.0	30.5
	12H	28.9	29.4	29.4	29.9	30.4	29.1	29.6	29.6	30.1	30.6
12H	4H	28.1	28.8	28.6	29.3	29.8	28.2	29.0	28.7	29.4	29.9
	6H	28.6	29.2	29.1	29.7	30.2	28.8	29.4	29.3	29.9	30.4
	8H	28.8	29.3	29.3	29.8	30.4	29.0	29.5	29.5	30.0	30.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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C-planes	γ	0° 180°	15°	30°	45°	60°	75°	90° 270°
			165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°	
Luminance in cd/m²								
45°		42604.4	42028.6	40295.1	39820.7	40851.8	41813.6	42503.1
50°		40840.2	40053.8	38668.8	38738.4	39851.9	40561.9	41216.0
55°		38701.8	37828.2	36962.6	37352.4	38148.1	38405.4	38920.3
60°		36093.9	35368.9	35100.6	35664.3	35968.5	35744.7	36022.1
65°		32942.4	32572.0	32984.9	33662.3	33598.9	32857.8	32836.6
70°		29009.0	29100.6	30171.9	31388.4	31031.7	29909.3	29542.9
75°		24402.9	24672.6	26354.6	28553.2	28102.2	26589.6	25837.6
80°		20208.4	20401.5	22161.3	24219.8	24207.0	22295.1	21156.6
85°		16373.6	16338.4	17693.2	19217.2	18567.3	16563.9	14690.3

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Family
Licross® 21 Recessed

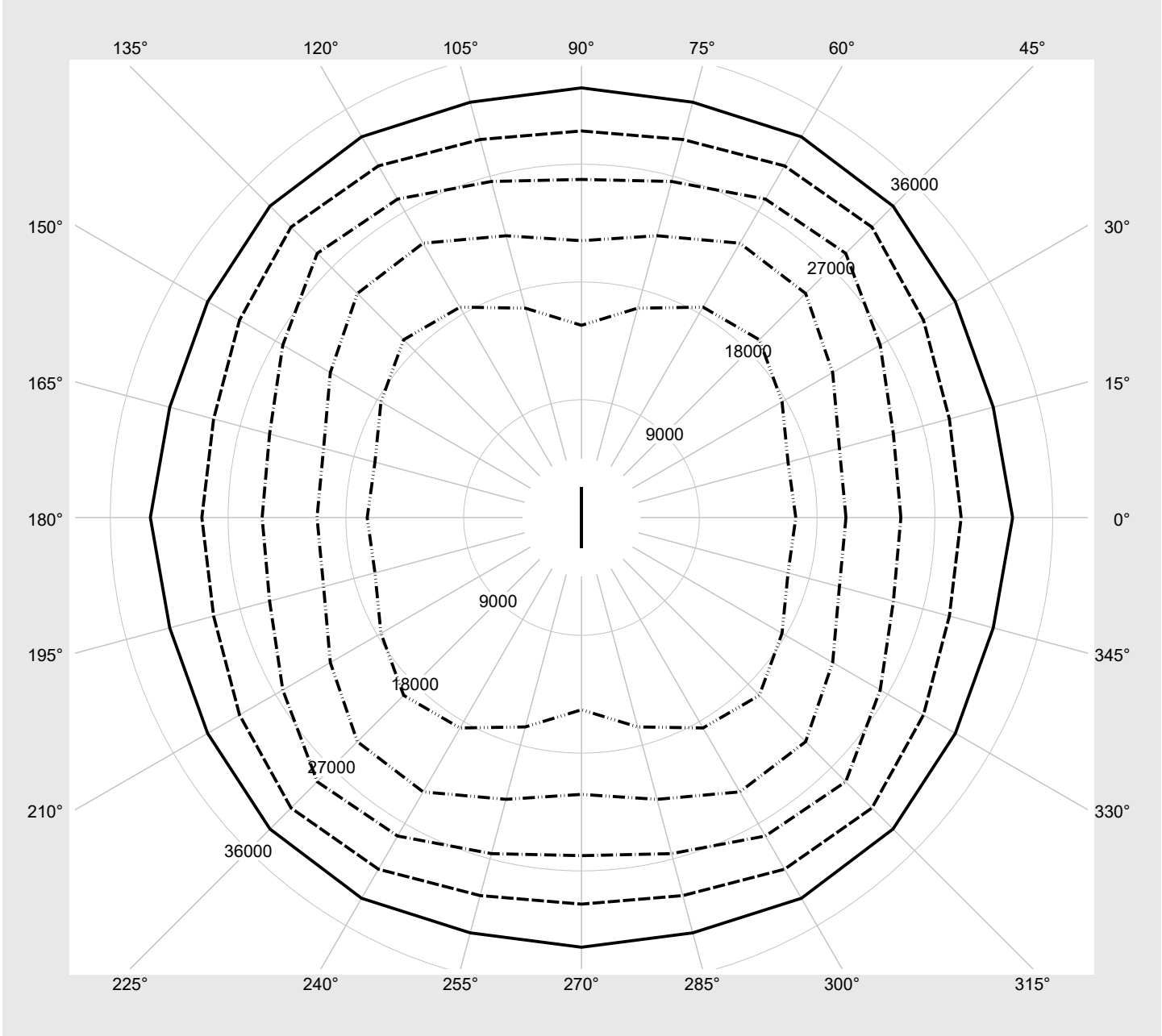
Order number: 52TL10MN4A5G
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LP number
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Luminance values in cd/m²




γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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Multilumen Table	environmental temperature: 25°C	
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	10690	60.5
2	A	C	F	10060	56.5
3	A	D	E	9577	53.4
4	A	D	F	9083	50.3
5	B	C	E	8579	47.3
6	B	C	F	8075	44.4
7	B	D	E	7561	41.4
8	B	D	F	7036	38.4