

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

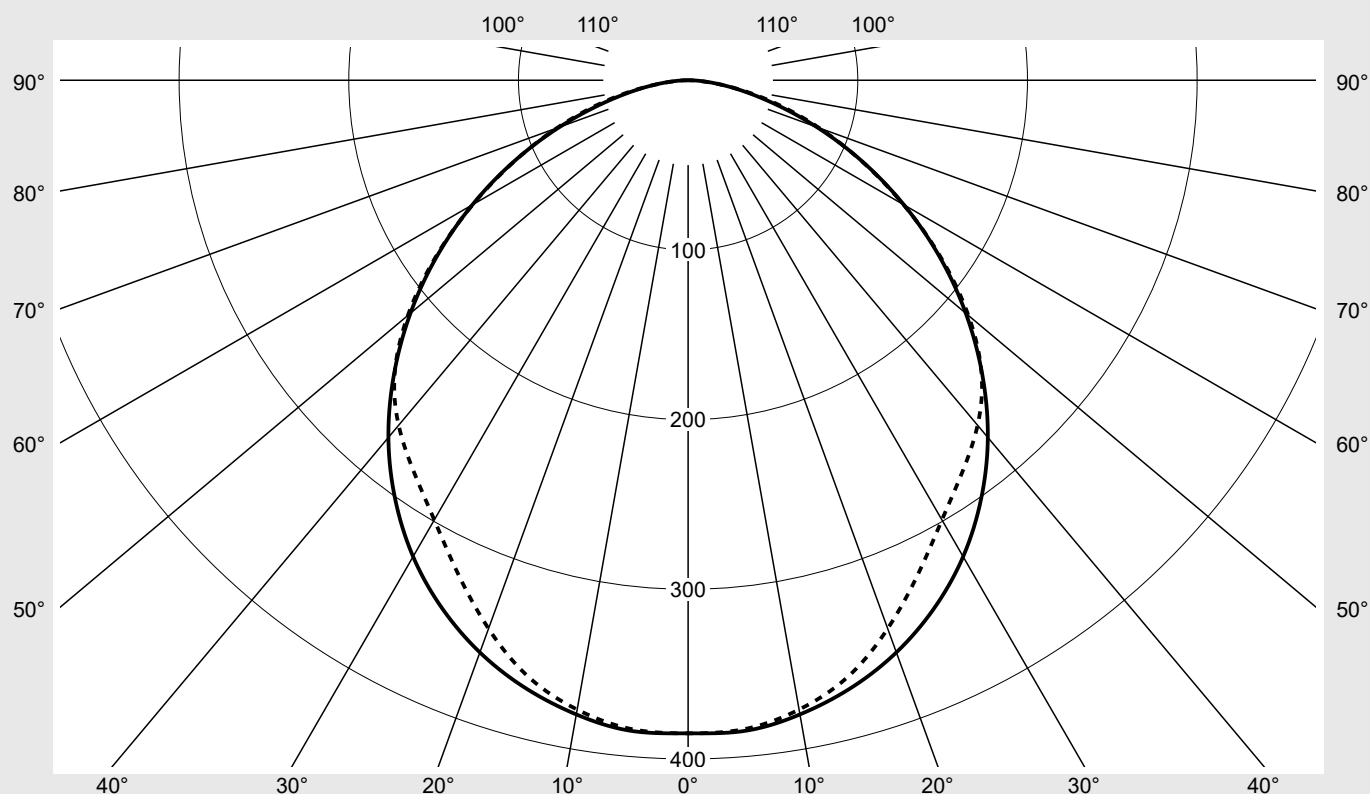
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Luminous intensity in cd/klm

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

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C- planes	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
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
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	
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	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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Luminance values in cd/m²

γ 65°

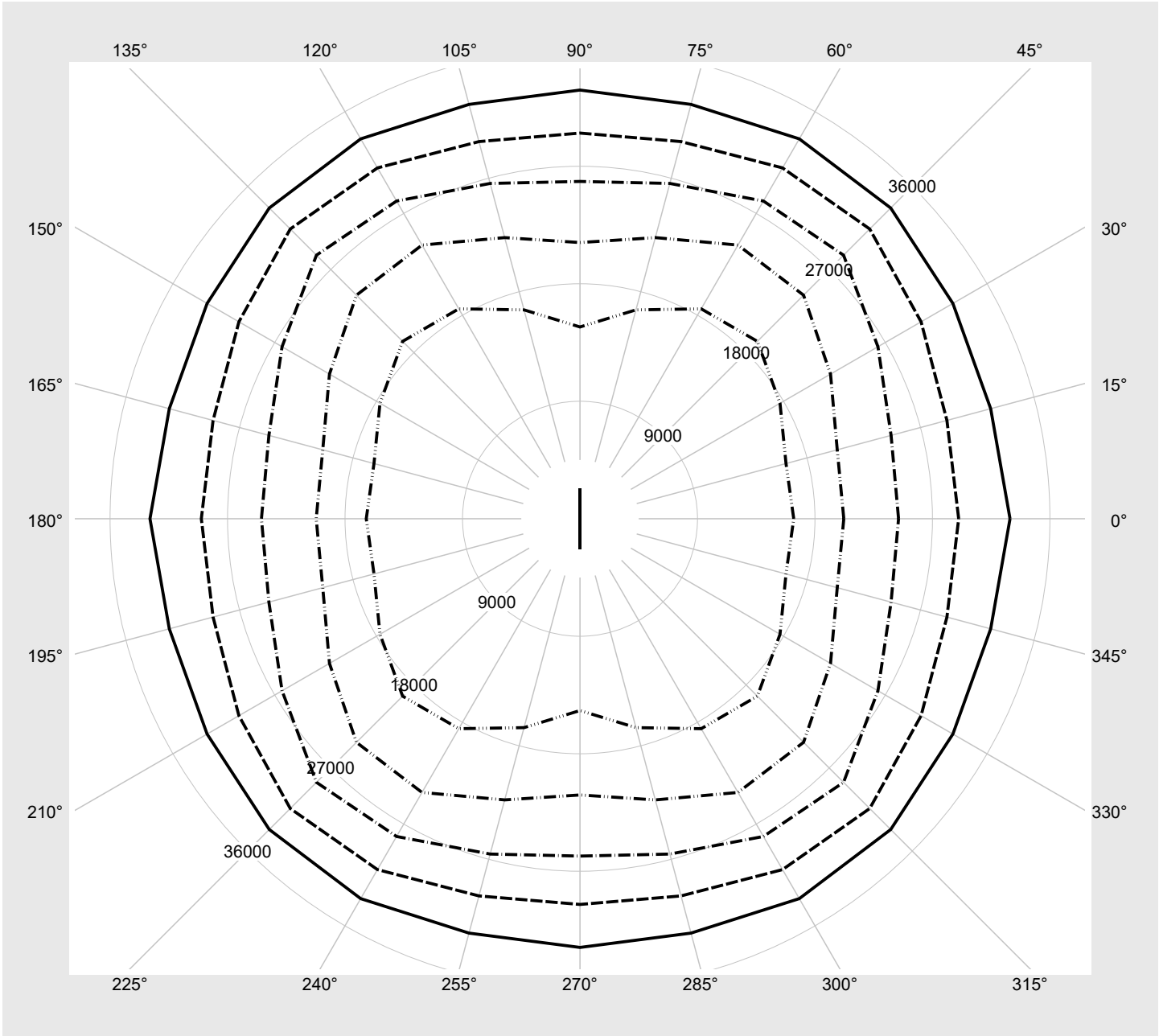
γ 70°

γ 75°

γ 80°

γ 85°

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Family Licross® 21 Recessed	Order number: 52TL10MN4A5G EAN: 4058352890370	LP number 58684_104
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	10690	60.5
2	A	C	F	10070	56.5
3	A	D	E	9580	53.4
4	A	D	F	9080	50.3
5	B	C	E	8580	47.3
6	B	C	F	8070	44.4
7	B	D	E	7560	41.4
8	B	D	F	7040	38.4