

Photometric test report

Family
Licross® 21 Recessed

Order number: 52TL10CN49XG
EAN: 4058352890288

LP number
58684_77



Version cover frosted
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-Multilumen CLOi
Rated values Net luminous flux = 9010 lm
 Power consumption = 49.9 W
 Luminous efficacy = 180.6 lm/W

serial
documentation
17.08.2023

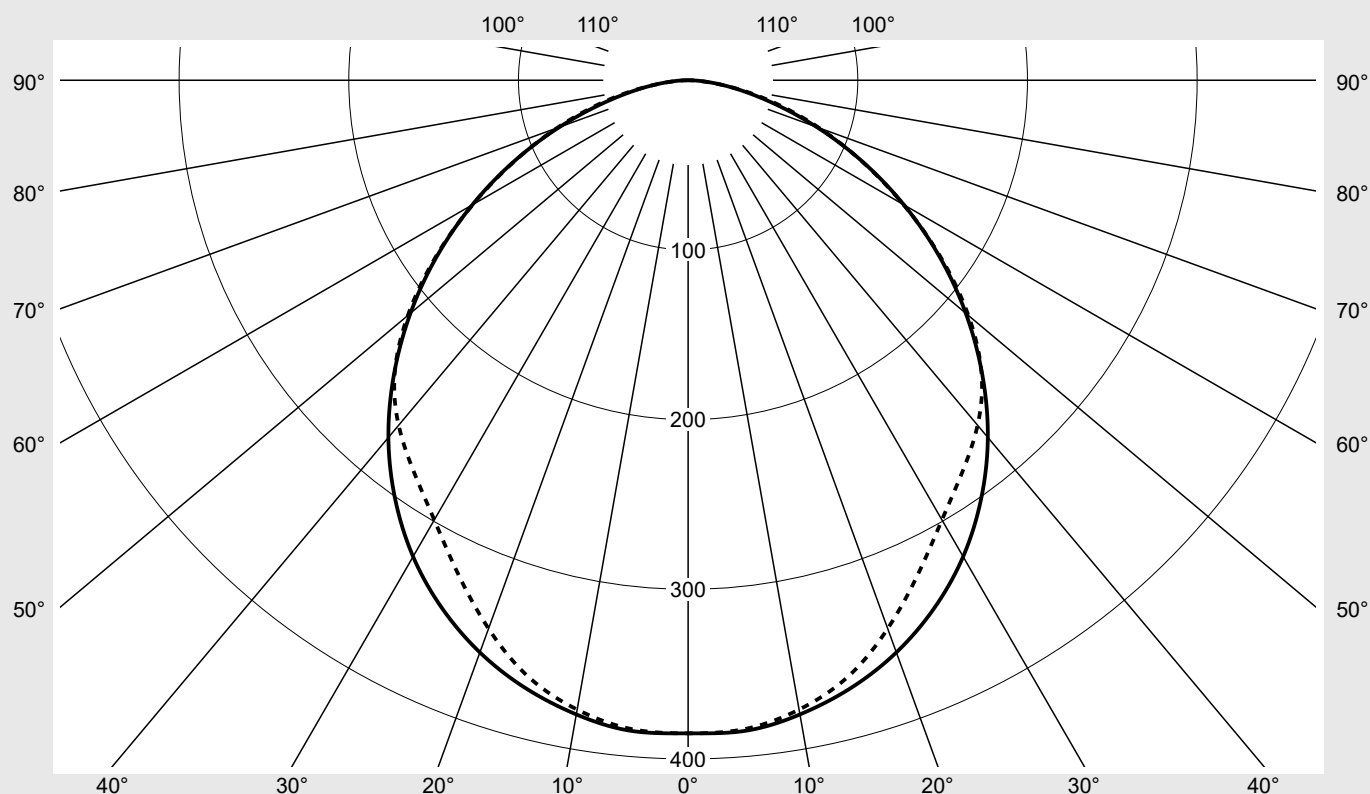
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Luminous intensity in cd/klm

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	24.3	26.0	24.7	26.3	26.6	24.4	26.0	24.7	26.3	26.7
	3H	25.7	27.1	26.0	27.5	27.8	25.7	27.2	26.1	27.6	27.9
	4H	26.1	27.5	26.5	27.9	28.2	26.2	27.6	26.6	28.0	28.4
	6H	26.4	27.7	26.8	28.1	28.5	26.6	27.9	27.0	28.2	28.6
	8H	26.6	27.8	27.0	28.1	28.5	26.7	27.9	27.1	28.3	28.7
	12H	26.6	27.8	27.0	28.1	28.6	26.8	27.9	27.2	28.3	28.7
4H	2H	25.0	26.4	25.4	26.8	27.1	25.1	26.5	25.5	26.8	27.2
	3H	26.5	27.7	27.0	28.1	28.5	26.6	27.8	27.0	28.2	28.6
	4H	27.1	28.2	27.5	28.6	29.0	27.3	28.3	27.7	28.7	29.2
	6H	27.5	28.4	28.0	28.9	29.3	27.7	28.6	28.2	29.1	29.5
	8H	27.6	28.5	28.1	28.9	29.4	27.8	28.7	28.3	29.1	29.6
	12H	27.7	28.5	28.2	29.0	29.4	27.9	28.7	28.4	29.1	29.6
8H	4H	27.4	28.3	27.9	28.7	29.2	27.6	28.4	28.0	28.9	29.3
	6H	27.9	28.6	28.4	29.1	29.6	28.1	28.8	28.6	29.3	29.8
	8H	28.1	28.7	28.6	29.2	29.7	28.3	29.0	28.8	29.4	29.9
	12H	28.3	28.8	28.8	29.3	29.8	28.5	29.0	29.0	29.5	30.0
12H	4H	27.5	28.2	28.0	28.7	29.2	27.6	28.4	28.1	28.8	29.3
	6H	28.0	28.6	28.5	29.1	29.6	28.2	28.8	28.7	29.3	29.8
	8H	28.2	28.8	28.7	29.2	29.8	28.4	29.0	28.9	29.4	30.0

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1500 B = 58	
C-planes	0°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
	180°						
γ	Luminance in cd/m²						
45°	35908.9	35423.5	33962.4	33562.6	34431.7	35242.4	35823.5
50°	34421.9	33759.1	32591.8	32650.4	33588.9	34187.3	34738.7
55°	32619.6	31883.3	31153.7	31482.3	32152.9	32369.7	32803.8
60°	30421.5	29810.5	29584.3	30059.4	30315.9	30127.2	30361.0
65°	27765.3	27453.1	27801.1	28372.1	28318.6	27694.0	27676.1
70°	24450.1	24527.3	25430.2	26455.5	26154.8	25208.9	24900.0
75°	20567.9	20795.1	22212.8	24065.9	23685.7	22410.9	21777.1
80°	17032.5	17195.3	18678.6	20413.5	20402.7	18791.3	17831.7
85°	13800.4	13770.7	14912.6	16197.1	15649.3	13960.8	12381.6

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Luminance values in cd/m²

γ 65°

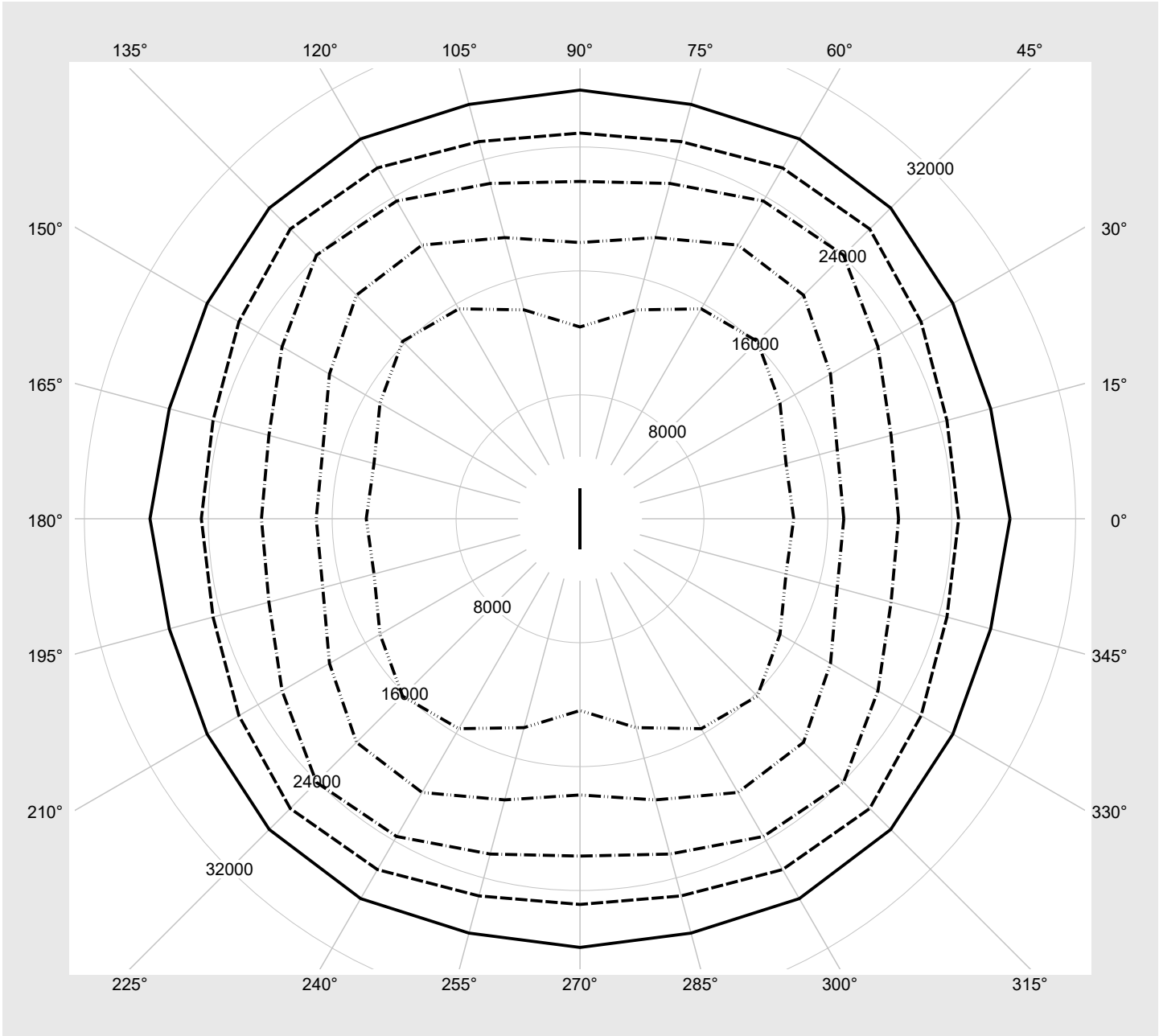
γ 70°

γ 75°

γ 80°

γ 85°

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Family Licross® 21 Recessed	Order number: 52TL10CN49XG EAN: 4058352890288	LP number 58684_77
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption [W]	Power consumption [W]
	1	2	3			end of lifetime	average
1	A	C	E	9010	49.9	60.5	55.2
2	A	C	F	8580	47.3	56.9	52.1
3	A	D	E	8070	44.4	53.4	48.9
4	A	D	F	7560	41.4	49.5	45.4
5	B	C	E	7040	38.4	45.6	42.0
6	B	C	F	6510	35.3	42.2	38.8
7	B	D	E	6060	32.8	39.2	36.0
8	B	D	F	5520	29.9	35.3	32.6