

Photometric test report

Family
Licross® 21 Recessed

Order number: 52TL18MN4A5G
EAN: 4058352891445

LP number
59103_281



Version cover frosted, medium distribution, high visual comfort
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 10680 lm
Power consumption = 60.5 W
Luminous efficacy = 176.5 lm/W

serial
documentation
24.08.2023

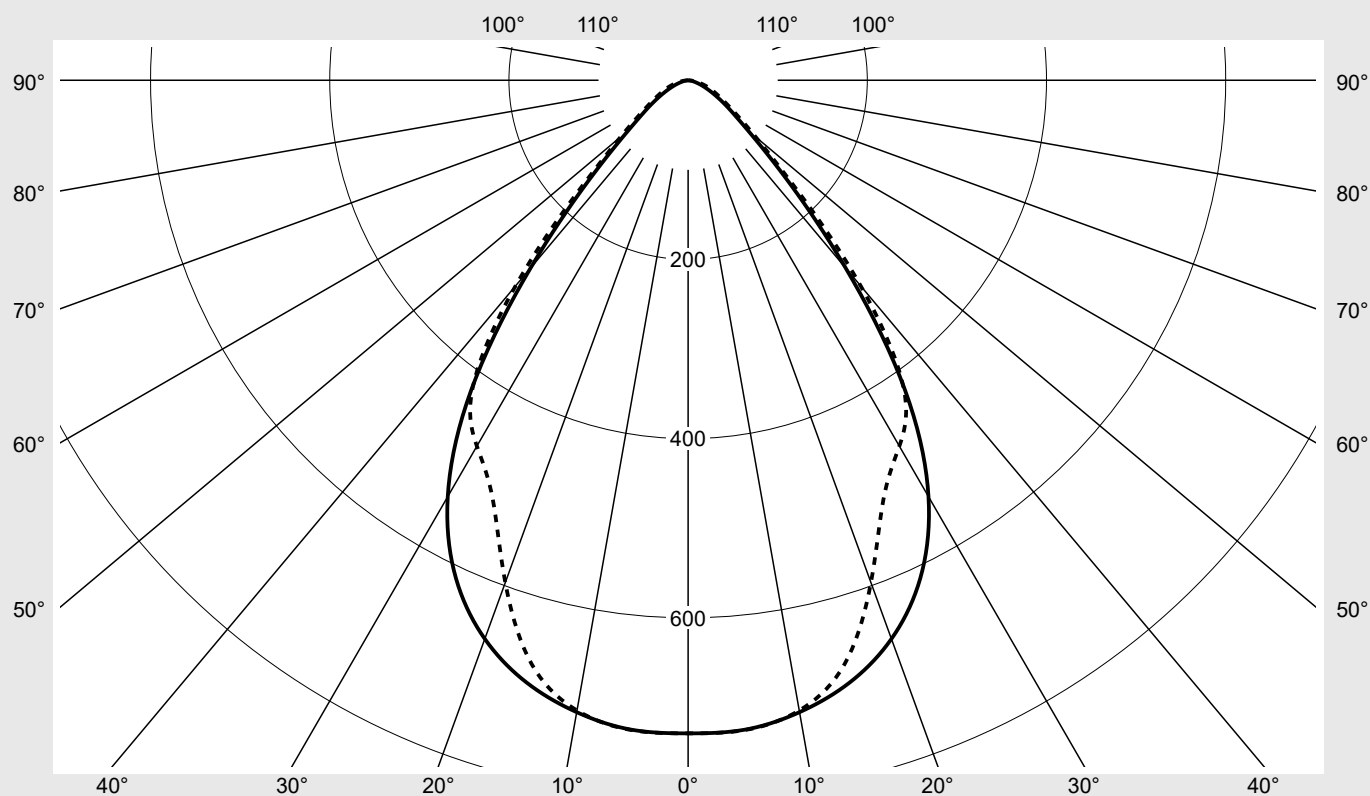
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Luminous intensity in cd/klm

C180-0

C270-90

Imax: 729 cd/klm



Classifications

DIN 5040 A 6 0
CIE N1=79 N2=95 N3=99
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°	728.9	728.9	728.9	728.9	728.9	728.9	728.9	4.4	4.4
5°	727.6	725.6	721.4	724.4	727.7	727.5	728.0	34.7	39.0
10°	716.2	715.8	711.3	714.1	716.0	714.5	714.3	68.0	107.0
15°	696.1	697.2	692.4	692.3	687.6	678.3	674.7	97.7	204.8
20°	663.5	665.6	659.3	649.0	628.4	605.3	596.6	119.9	324.7
25°	613.2	616.1	603.1	573.7	542.7	522.2	516.0	132.1	456.8
30°	536.6	538.7	513.6	472.5	462.2	468.1	471.5	135.2	592.0
35°	422.0	421.2	386.0	361.6	387.1	411.1	419.4	125.1	717.1
40°	273.6	269.8	241.4	246.2	279.1	295.4	299.7	95.1	812.2
45°	153.4	148.0	132.2	146.4	164.6	167.9	167.6	59.4	871.5
50°	87.1	86.0	88.4	95.4	105.5	102.0	98.3	39.9	911.4
55°	56.5	55.2	58.2	69.2	74.7	68.5	64.6	28.9	940.4
60°	37.8	37.4	39.6	46.2	52.4	47.5	45.7	20.9	961.3
65°	24.5	24.8	27.6	32.4	36.8	34.0	33.6	15.3	976.6
70°	15.3	15.7	18.0	22.8	25.8	24.5	24.5	10.9	987.5
75°	8.5	8.7	10.3	14.3	17.1	16.5	16.4	7.0	994.5
80°	4.5	4.6	5.3	7.4	9.6	9.5	9.0	3.9	998.3
85°	2.3	2.3	2.4	3.2	3.8	3.8	3.2	1.7	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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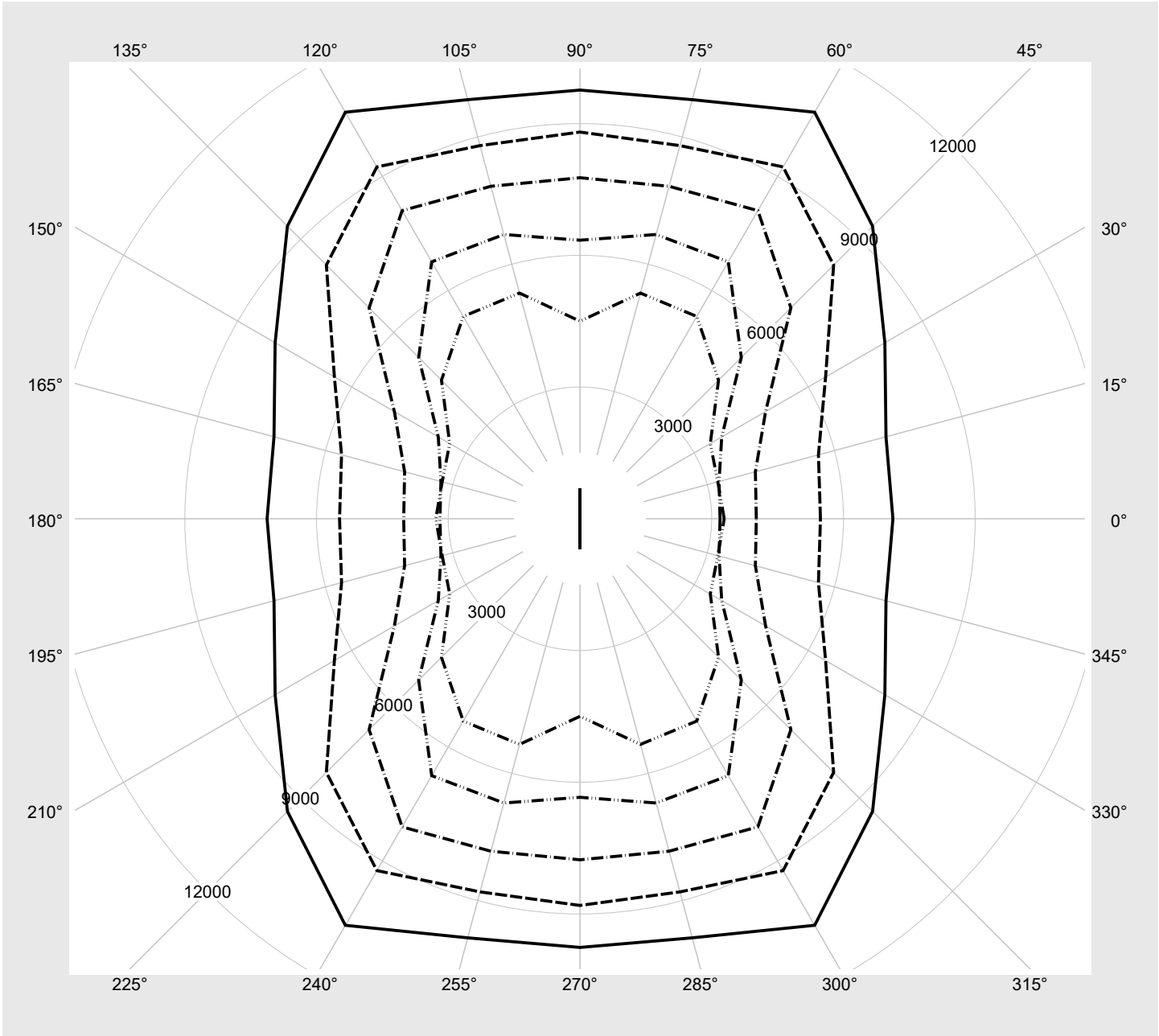
Family Licross® 21 Recessed			Order number: 52TL18MN4A5G EAN: 4058352891445							LP number 59103_281			
UGR-Table										Standard room		siteco	
Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3			
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3			
Reflection factor 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	20.5	21.8	20.8	22.1	22.4	21.1	22.5	21.5	22.8	23.1		
	3H	20.6	21.8	21.0	22.1	22.5	21.5	22.7	21.9	23.0	23.4		
	4H	20.6	21.7	21.0	22.1	22.5	21.7	22.8	22.1	23.1	23.5		
	6H	20.6	21.6	21.0	22.0	22.4	21.8	22.8	22.2	23.1	23.5		
	8H	20.7	21.6	21.1	22.0	22.4	21.9	22.8	22.3	23.1	23.5		
	12H	20.7	21.5	21.1	21.9	22.3	21.9	22.7	22.3	23.1	23.5		
4H	2H	20.6	21.7	21.0	22.1	22.4	21.2	22.3	21.6	22.7	23.0		
	3H	20.9	21.8	21.3	22.2	22.6	21.7	22.7	22.2	23.0	23.5		
	4H	20.9	21.7	21.3	22.1	22.6	22.0	22.8	22.4	23.2	23.7		
	6H	20.9	21.6	21.4	22.1	22.5	22.2	22.9	22.7	23.3	23.8		
	8H	20.9	21.6	21.4	22.0	22.5	22.2	22.9	22.7	23.3	23.8		
	12H	21.0	21.5	21.4	21.9	22.4	22.3	22.8	22.8	23.3	23.8		
8H	4H	21.0	21.6	21.5	22.1	22.5	22.0	22.6	22.5	23.1	23.6		
	6H	21.0	21.5	21.5	22.0	22.5	22.3	22.8	22.8	23.3	23.8		
	8H	21.0	21.5	21.5	22.0	22.5	22.4	22.8	22.9	23.3	23.8		
	12H	21.1	21.4	21.6	21.9	22.5	22.4	22.8	23.0	23.3	23.8		
12H	4H	21.0	21.5	21.5	22.0	22.5	22.0	22.5	22.5	23.0	23.5		
	6H	21.1	21.5	21.6	22.0	22.5	22.3	22.7	22.8	23.2	23.7		
	8H	21.1	21.4	21.6	21.9	22.5	22.4	22.7	22.9	23.2	23.8		

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°	26630.6	25689.0	22947.5	25407.4	28575.5	29147.6	29103.6
50°	16642.1	16424.2	16884.0	18220.1	20151.5	19473.7	18781.6
55°	12086.3	11809.6	12449.7	14820.2	15986.7	14668.5	13822.0
60°	9272.2	9172.8	9714.1	11344.4	12856.8	11661.8	11213.8
65°	7126.7	7215.0	8017.6	9423.8	10690.2	9880.4	9762.5
70°	5476.4	5622.2	6459.2	8169.4	9251.9	8797.2	8806.2
75°	4015.4	4135.4	4881.1	6792.5	8102.5	7838.3	7766.2
80°	3189.7	3278.8	3727.0	5196.0	6755.5	6701.8	6343.4
85°	3284.6	3249.4	3426.9	4462.1	5319.9	5319.9	4498.7

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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	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	10680	60.5
2	A	C	F	10060	56.5
3	A	D	E	9570	53.4
4	A	D	F	9070	50.3
5	B	C	E	8570	47.3
6	B	C	F	8070	44.4
7	B	D	E	7550	41.4
8	B	D	F	7030	38.4