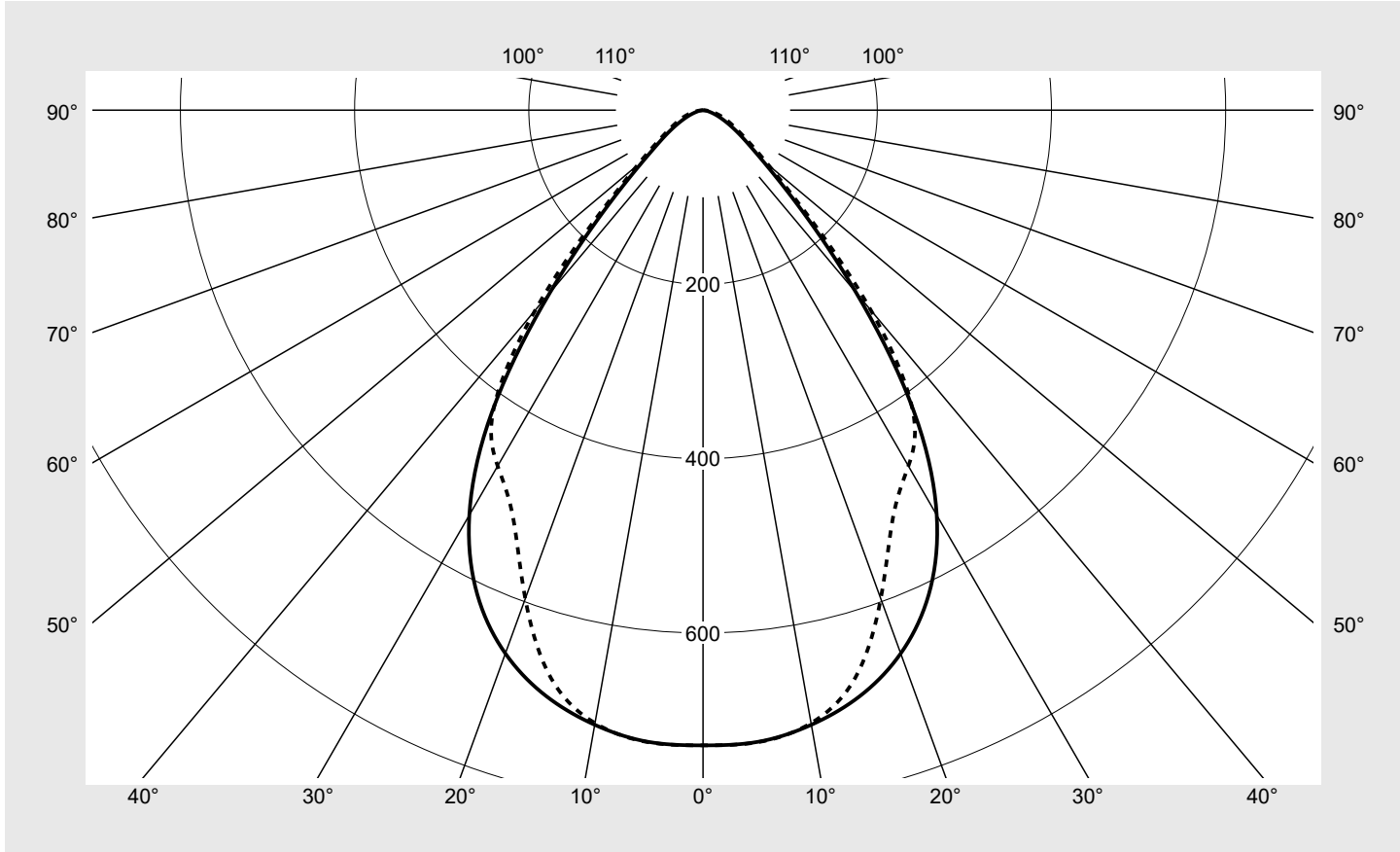


Photometric test report

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
		

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

Photometric test report

Family Licross® 21 Recessed	Order number: 52TL18MN4A5G EAN: 4058352891445	LP number 59103_281
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes γ	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°			
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

Photometric test report

Family Licross® 21 Recessed	Order number: 52TL18MN4A5G EAN: 4058352891445	LP number 59103_281
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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	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

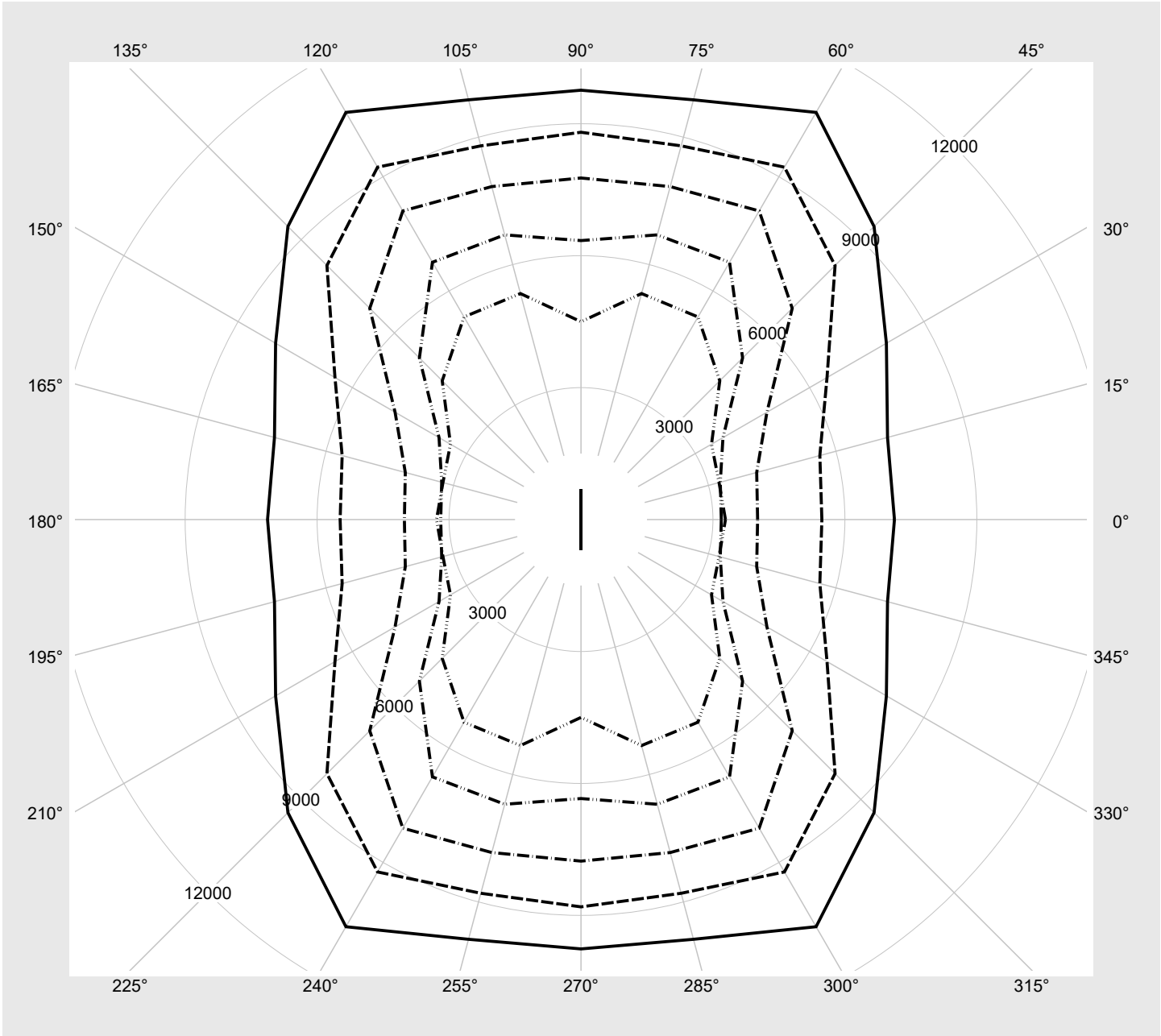
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500
			B = 58

C-planes	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°		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	

Photometric test report

Family Licross® 21 Recessed	Order number: 52TL18MN4A5G EAN: 4058352891445	LP number 59103_281
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family Licross® 21 Recessed	Order number: 52TL18MN4A5G EAN: 4058352891445	LP number 59103_281
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Multilumen Table	environmental temperature: 25°C	sITeco
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	10680	60.5
2	A	C	F	10050	56.5
3	A	D	E	9567	53.4
4	A	D	F	9073	50.3
5	B	C	E	8569	47.3
6	B	C	F	8065	44.4
7	B	D	E	7551	41.4
8	B	D	F	7025	38.4