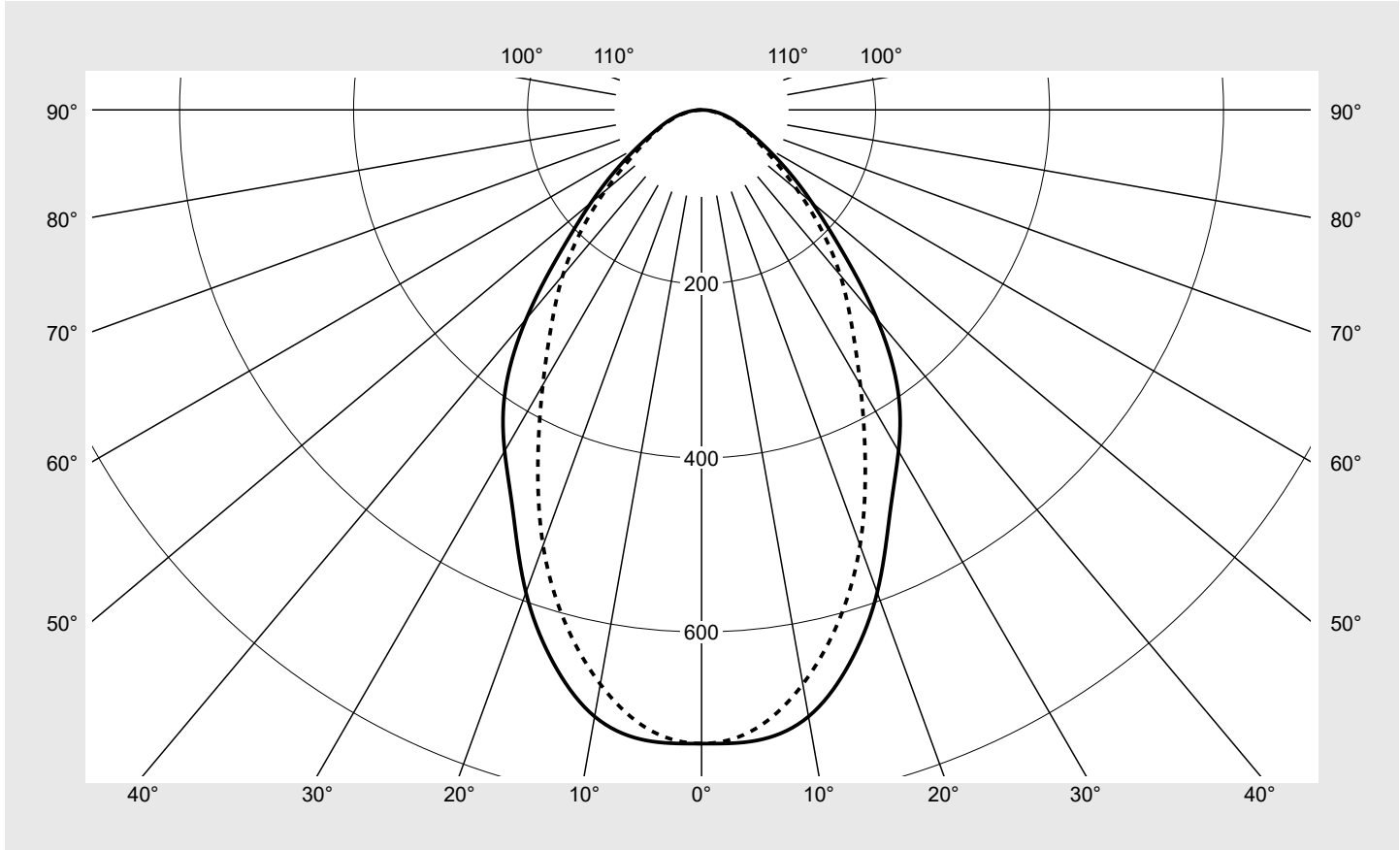


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12CN495M EAN: 4058352890721	LP number 59446_46
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 10000 lm Power consumption = 53.0 W Luminous efficacy = 188.7 lm/W	serial documentation 17.08.2023
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 728 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=69 N2=91 N3=98 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: 52TL12CN495M EAN: 4058352890721	LP number 59446_46
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°	728.4	728.4	728.4	728.4	728.4	728.4	728.4	4.4	4.4
5°	727.5	724.8	717.6	716.9	716.5	714.4	713.9	34.3	38.7
10°	708.0	704.6	693.5	687.1	680.0	672.5	670.2	65.5	104.1
15°	658.1	653.2	637.7	629.5	623.7	612.7	608.6	89.6	193.8
20°	590.3	582.5	562.9	551.9	546.6	538.5	532.6	104.5	298.2
25°	512.2	499.8	475.2	461.5	453.8	449.4	445.1	108.8	407.1
30°	452.8	433.7	396.2	371.8	363.4	365.0	364.9	106.8	513.9
35°	393.4	374.1	335.3	295.7	285.6	295.2	300.5	101.3	615.2
40°	313.5	300.8	276.8	238.3	224.4	239.2	248.1	91.6	706.8
45°	227.2	217.7	208.5	191.4	176.2	187.2	194.9	77.0	783.8
50°	165.8	151.3	143.3	147.8	138.9	142.4	144.5	61.5	845.3
55°	119.7	105.2	93.7	108.9	109.4	104.2	103.2	47.4	892.7
60°	84.3	73.0	63.0	78.5	83.8	75.4	76.1	35.9	928.6
65°	60.6	51.5	43.5	55.3	61.5	55.5	56.9	27.0	955.6
70°	44.8	36.9	29.5	37.3	40.5	40.0	42.0	19.5	975.1
75°	31.9	25.4	19.2	23.6	27.6	27.0	29.3	13.5	988.6
80°	20.2	15.5	11.1	12.8	15.3	15.6	17.2	8.0	996.7
85°	9.4	7.2	4.9	5.0	5.8	6.0	6.3	3.3	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: 52TL12CN495M EAN: 4058352890721	LP number 59446_46
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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	22.3	23.8	22.7	24.1	24.4	21.9	23.4	22.3	23.7	24.0
	3H	23.0	24.3	23.4	24.6	25.0	22.7	24.0	23.1	24.4	24.7
	4H	23.4	24.5	23.7	24.9	25.3	23.1	24.3	23.5	24.7	25.0
	6H	23.7	24.8	24.1	25.1	25.5	23.4	24.5	23.8	24.8	25.2
	8H	23.9	24.8	24.3	25.2	25.6	23.5	24.5	23.9	24.9	25.3
	12H	24.0	24.9	24.4	25.3	25.7	23.6	24.5	24.0	24.9	25.3
4H	2H	22.6	23.8	23.0	24.2	24.5	22.3	23.5	22.7	23.9	24.2
	3H	23.4	24.4	23.8	24.7	25.2	23.3	24.3	23.7	24.7	25.1
	4H	23.8	24.7	24.2	25.1	25.5	23.8	24.6	24.2	25.1	25.5
	6H	24.2	24.9	24.6	25.4	25.8	24.1	24.9	24.6	25.3	25.8
	8H	24.3	25.0	24.8	25.5	26.0	24.2	24.9	24.7	25.4	25.9
	12H	24.5	25.1	25.0	25.6	26.1	24.3	24.9	24.8	25.4	25.9
8H	4H	23.9	24.6	24.3	25.0	25.5	23.9	24.6	24.3	25.0	25.5
	6H	24.3	24.9	24.8	25.3	25.8	24.3	24.9	24.8	25.4	25.9
	8H	24.5	25.0	25.0	25.5	26.0	24.5	25.0	25.0	25.5	26.0
	12H	24.7	25.1	25.2	25.6	26.2	24.6	25.0	25.1	25.5	26.1
12H	4H	23.9	24.5	24.4	24.9	25.4	23.9	24.5	24.4	24.9	25.4
	6H	24.3	24.8	24.8	25.3	25.8	24.3	24.8	24.8	25.3	25.8
	8H	24.5	24.9	25.1	25.4	26.0	24.5	24.9	25.0	25.4	26.0

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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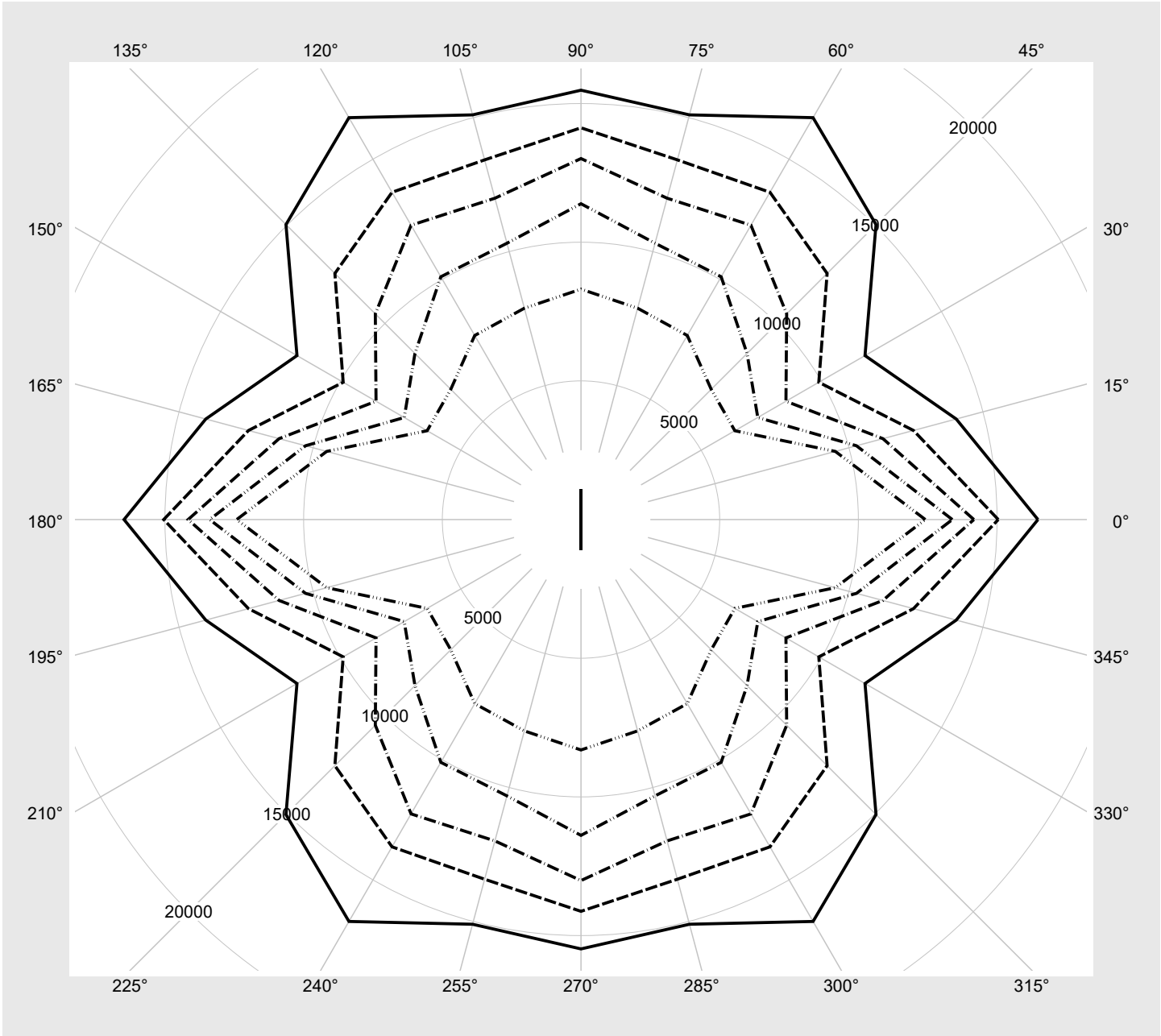
C-planes	γ	0° 180°	15°	30°	45°	60°	75°	90° 270°
			165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°	
Luminance in cd/m²								
45°		36939.9	35386.1	33892.7	31117.4	28644.3	30422.3	31676.4
50°		29654.4	27053.0	25623.5	26421.2	24844.9	25459.9	25831.1
55°		23993.0	21090.1	18780.3	21825.9	21931.6	20879.1	20683.5
60°		19389.2	16774.9	14477.7	18042.8	19257.2	17334.0	17501.4
65°		16475.6	14006.3	11823.9	15042.8	16732.6	15106.2	15480.9
70°		15045.2	12411.0	9900.3	12549.5	13626.3	13426.3	14125.7
75°		14165.1	11270.0	8532.6	10487.1	12254.2	11995.2	13016.2
80°		13388.8	10281.7	7359.3	8466.7	10107.6	10314.8	11387.1
85°		12414.0	9492.8	6405.5	6640.2	7663.6	7889.2	8307.2

Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12CN495M EAN: 4058352890721	LP number 59446_46
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12CN495M EAN: 4058352890721	LP number 59446_46
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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]	Power consumption [W]	Power consumption [W]
	1	2	3			end of lifetime	average
1	A	C	E	10000	53.0	64.5	58.8
2	A	C	F	9538	50.4	60.7	55.6
3	A	D	E	9013	47.5	56.8	52.2
4	A	D	F	8477	44.6	53.0	48.8
5	B	C	E	8004	42.0	50.1	46.0
6	B	C	F	7532	39.5	47.5	43.5
7	B	D	E	6985	36.7	43.3	40.0
8	B	D	F	6513	34.1	40.8	37.4