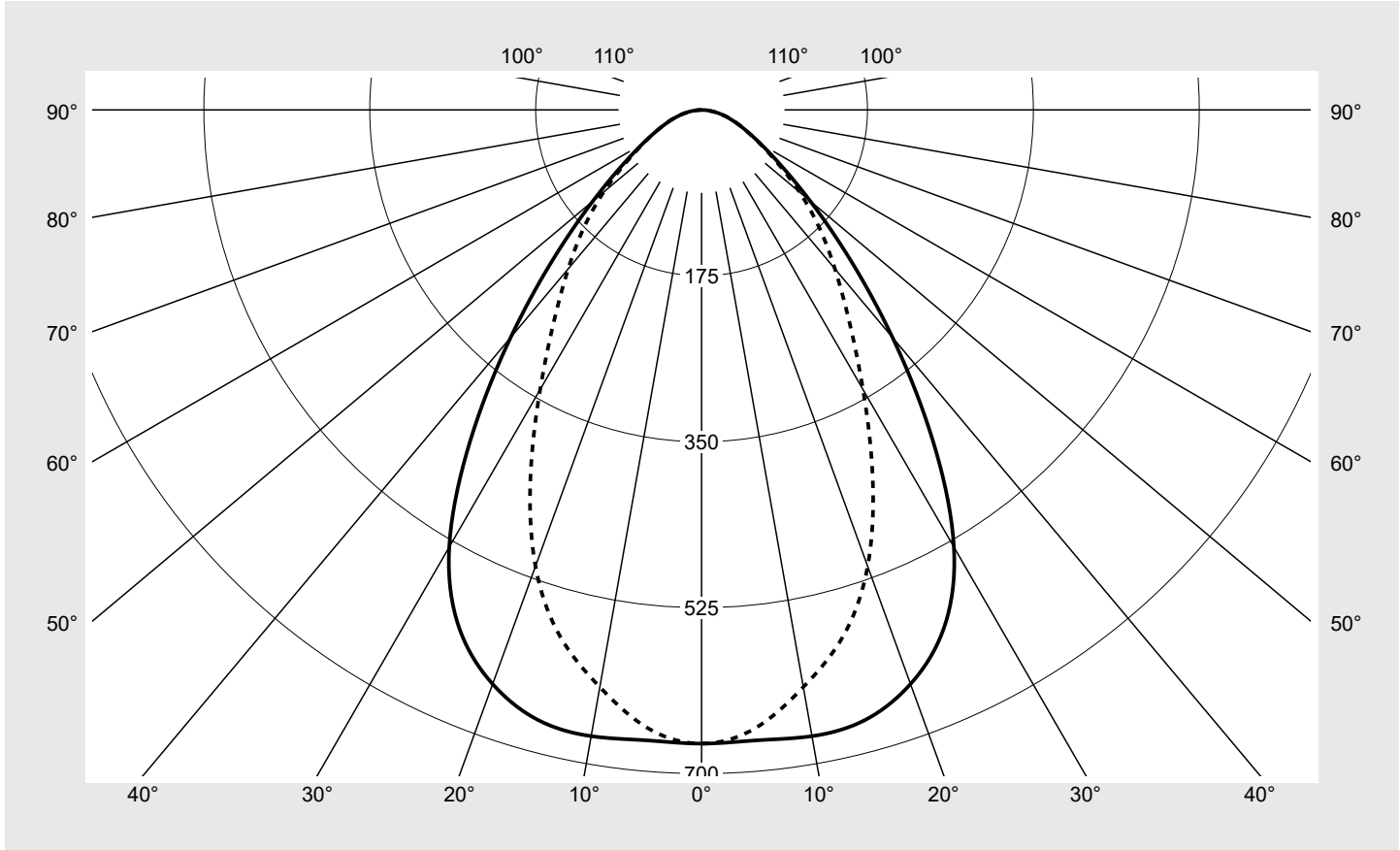


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12CN475G EAN: 4058352890714	LP number 59101_307
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 7990 lm Power consumption = 42.6 W Luminous efficacy = 187.6 lm/W	serial documentation 17.08.2023



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 671 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=72 N2=92 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: 52TL12CN475G EAN: 4058352890714	LP number 59101_307
Table of values for luminous intensities		Maximum luminous intensity
		sITeco

C-planes γ	0°	15°	30°	45°	60°	75°	90°	Phi-zone	Total Phi-zone
	180°	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°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	4.0	4.0
5°	667.5	664.4	657.4	655.8	655.7	654.2	654.4	31.4	35.4
10°	670.7	665.0	649.1	636.1	625.3	618.7	618.1	60.9	96.3
15°	666.2	657.2	632.9	612.0	594.0	578.5	575.5	87.4	183.7
20°	644.4	632.9	606.9	585.4	554.6	522.7	512.3	108.8	292.5
25°	604.1	590.6	566.7	541.2	494.5	444.9	427.0	121.8	414.2
30°	532.4	517.7	496.3	466.1	413.9	359.9	340.6	122.9	537.1
35°	425.0	409.7	387.0	361.9	325.4	286.0	271.1	111.0	648.1
40°	313.4	295.8	270.7	255.1	246.8	229.4	218.8	91.8	739.9
45°	219.2	200.3	175.7	171.1	181.8	184.7	175.5	71.8	811.7
50°	149.7	132.6	112.6	116.3	133.0	145.6	134.9	54.8	866.5
55°	102.7	89.1	74.7	81.5	98.1	107.9	98.1	41.3	907.7
60°	72.4	62.1	51.3	58.3	71.8	76.5	71.0	31.0	938.7
65°	52.1	44.3	35.9	41.6	51.4	54.2	52.1	23.1	961.9
70°	37.6	31.7	24.7	29.1	35.6	38.4	38.3	16.9	978.8
75°	26.0	21.3	16.2	19.0	22.9	25.9	26.8	11.6	990.4
80°	16.1	12.5	9.2	10.4	12.6	14.8	15.7	6.8	997.3
85°	7.0	5.4	3.8	4.1	4.8	5.7	5.8	2.7	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: 52TL12CN475G EAN: 4058352890714	LP number 59101_307
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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	21.0	22.4	21.3	22.7	23.0	20.9	22.3	21.3	22.6	23.0
	3H	21.6	22.8	21.9	23.2	23.5	21.7	23.0	22.1	23.3	23.6
	4H	21.8	23.0	22.2	23.4	23.7	22.0	23.2	22.4	23.6	23.9
	6H	22.1	23.2	22.5	23.5	23.9	22.3	23.4	22.7	23.7	24.1
	8H	22.3	23.2	22.7	23.6	24.0	22.4	23.4	22.9	23.8	24.2
	12H	22.3	23.2	22.8	23.6	24.0	22.5	23.4	22.9	23.8	24.2
4H	2H	21.1	22.3	21.5	22.7	23.0	21.1	22.3	21.5	22.6	23.0
	3H	21.8	22.8	22.2	23.2	23.6	22.1	23.0	22.5	23.4	23.8
	4H	22.1	23.0	22.6	23.4	23.9	22.5	23.4	22.9	23.8	24.2
	6H	22.5	23.2	22.9	23.6	24.1	22.9	23.6	23.3	24.0	24.5
	8H	22.6	23.3	23.1	23.7	24.2	23.0	23.7	23.5	24.1	24.6
	12H	22.7	23.3	23.2	23.8	24.3	23.1	23.7	23.6	24.1	24.6
8H	4H	22.2	22.9	22.7	23.3	23.8	22.6	23.2	23.0	23.7	24.2
	6H	22.6	23.1	23.1	23.6	24.1	23.0	23.5	23.5	24.0	24.5
	8H	22.7	23.2	23.2	23.7	24.2	23.2	23.6	23.7	24.1	24.7
	12H	22.9	23.3	23.4	23.8	24.3	23.3	23.7	23.8	24.2	24.7
12H	4H	22.2	22.8	22.7	23.3	23.8	22.6	23.1	23.1	23.6	24.1
	6H	22.6	23.1	23.1	23.5	24.1	23.0	23.5	23.5	24.0	24.5
	8H	22.8	23.2	23.3	23.7	24.2	23.2	23.6	23.7	24.1	24.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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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°		28472.3	26021.2	22816.4	22227.0	23612.1	23988.8	22797.2	
50°		21386.4	18941.5	16089.4	16617.4	19001.8	20805.4	19267.6	
55°		16438.5	14270.5	11963.6	13053.2	15704.1	17284.3	15700.1	
60°		13295.0	11412.5	9424.2	10716.5	13182.0	14053.4	13037.3	
65°		11322.3	9636.6	7811.9	9045.3	11179.9	11768.4	11311.4	
70°		10089.6	8507.5	6633.5	7801.6	9550.2	10311.4	10285.4	
75°		9225.5	7557.0	5760.1	6734.1	8129.7	9176.1	9506.8	
80°		8509.2	6633.7	4880.5	5524.2	6678.2	7853.3	8325.6	
85°		7379.3	5683.8	4013.7	4327.7	5087.4	5957.8	6151.7	

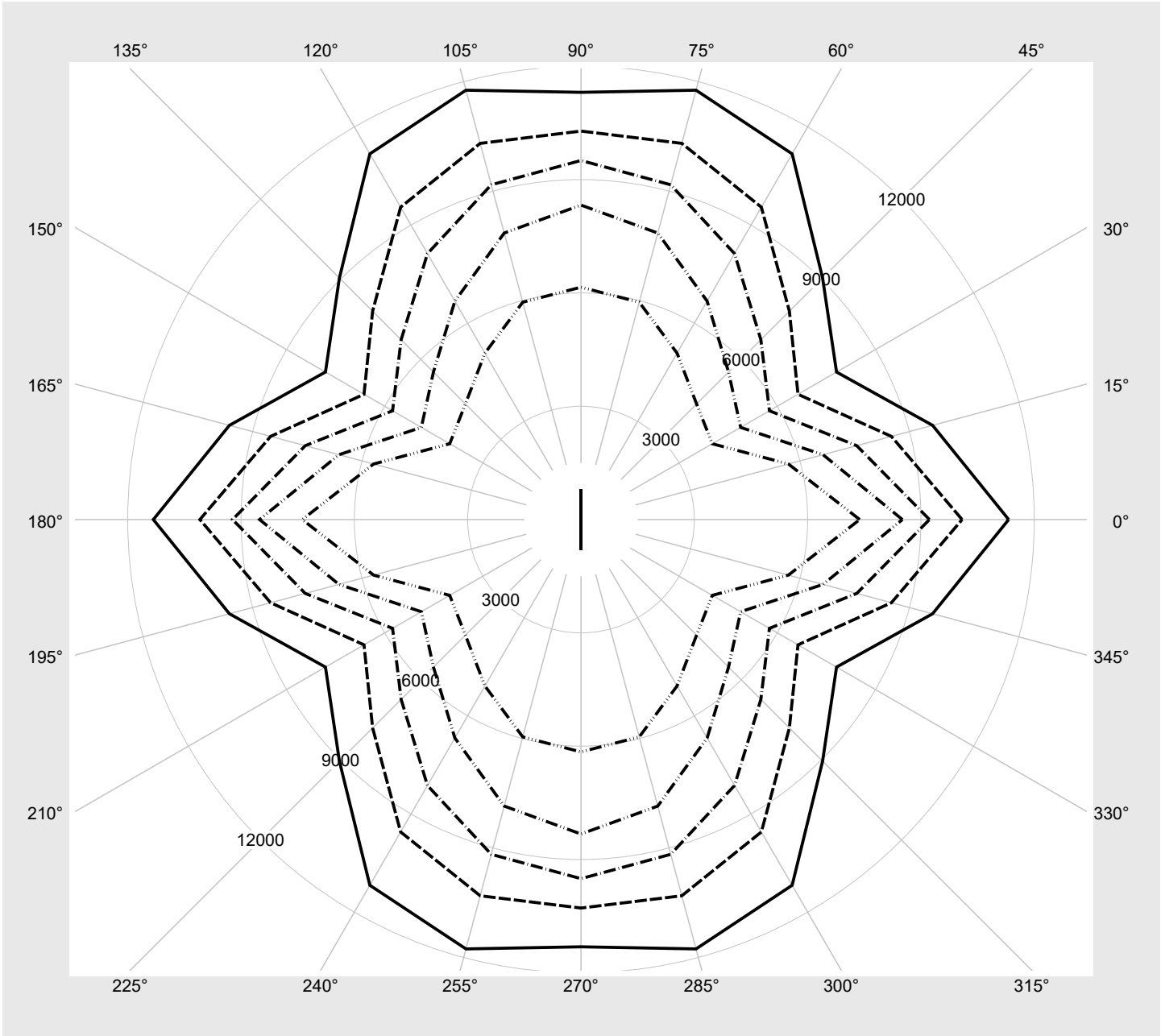
Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12CN475G EAN: 4058352890714	LP number 59101_307
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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: 52TL12CN475G EAN: 4058352890714	LP number 59101_307
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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	7990	42.6	50.8	46.7
2	A	C	F	7539	40.0	47.8	43.9
3	A	D	E	7003	37.0	43.9	40.4
4	A	D	F	6541	34.6	41.4	38.0
5	B	C	E	5995	31.6	37.5	34.6
6	B	C	F	5523	29.0	34.6	31.8
7	B	D	E	5040	26.5	31.6	29.0
8	B	D	F	4483	23.6	27.8	25.7