
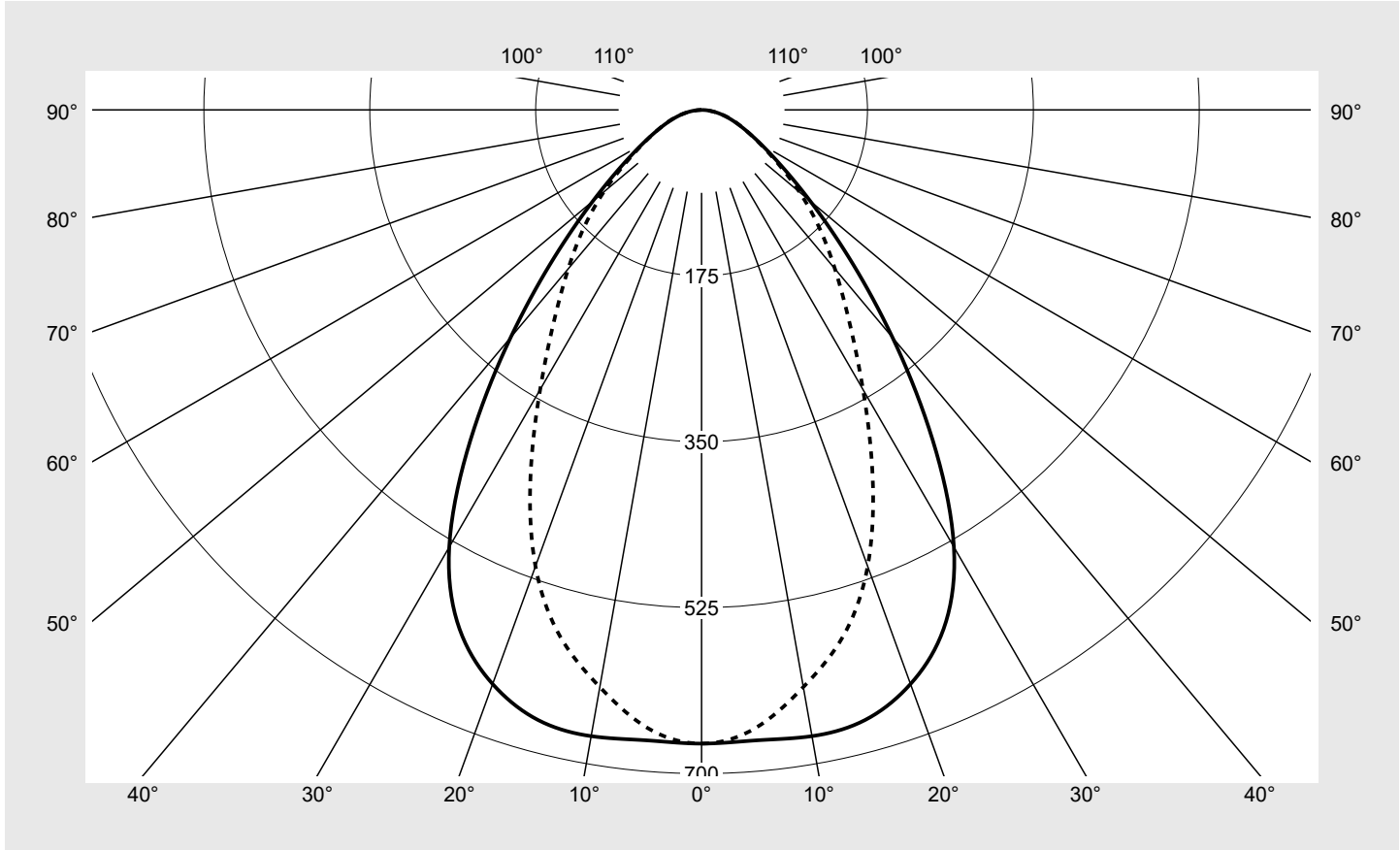


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12CN49XG EAN: 4058352890745	LP number 59101_306
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 9260 lm Power consumption = 49.9 W Luminous efficacy = 185.6 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: 52TL12CN49XG EAN: 4058352890745	LP number 59101_306
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: 52TL12CN49XG EAN: 4058352890745	LP number 59101_306
---------------------------------------	--	-------------------------------

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	21.5	22.9	21.8	23.2	23.5	21.4	22.9	21.8	23.2	23.5
	3H	22.1	23.3	22.5	23.7	24.0	22.2	23.5	22.6	23.8	24.2
	4H	22.4	23.5	22.7	23.9	24.2	22.5	23.7	22.9	24.1	24.4
	6H	22.6	23.7	23.0	24.0	24.4	22.8	23.9	23.2	24.2	24.6
	8H	22.8	23.7	23.2	24.1	24.5	22.9	23.9	23.4	24.3	24.7
	12H	22.8	23.7	23.3	24.1	24.5	23.0	23.9	23.4	24.3	24.7
4H	2H	21.6	22.8	22.0	23.2	23.6	21.6	22.8	22.0	23.1	23.5
	3H	22.3	23.3	22.7	23.7	24.1	22.6	23.6	23.0	23.9	24.4
	4H	22.7	23.5	23.1	23.9	24.4	23.0	23.9	23.5	24.3	24.7
	6H	23.0	23.7	23.4	24.2	24.6	23.4	24.1	23.8	24.6	25.0
	8H	23.1	23.8	23.6	24.2	24.7	23.5	24.2	24.0	24.6	25.1
	12H	23.2	23.8	23.7	24.3	24.8	23.6	24.2	24.1	24.6	25.1
8H	4H	22.7	23.4	23.2	23.9	24.3	23.1	23.7	23.5	24.2	24.7
	6H	23.1	23.6	23.6	24.1	24.6	23.5	24.1	24.0	24.5	25.0
	8H	23.2	23.7	23.7	24.2	24.7	23.7	24.2	24.2	24.6	25.2
	12H	23.4	23.8	23.9	24.3	24.8	23.8	24.2	24.3	24.7	25.2
12H	4H	22.8	23.3	23.2	23.8	24.3	23.1	23.7	23.6	24.1	24.6
	6H	23.1	23.6	23.6	24.1	24.6	23.5	24.0	24.0	24.5	25.0
	8H	23.3	23.7	23.8	24.2	24.7	23.7	24.1	24.2	24.6	25.1

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°		32997.9	30157.3	26443.1	25760.0	27365.2	27801.8	26420.8	
50°		24785.8	21952.3	18646.8	19258.7	22022.1	24112.3	22330.1	
55°		19051.4	16538.8	13865.2	15128.0	18200.2	20031.6	18195.6	
60°		15408.2	13226.5	10922.1	12419.9	15277.3	16287.2	15109.6	
65°		13121.9	11168.3	9053.5	10483.0	12957.0	13639.0	13109.3	
70°		11693.4	9859.8	7687.9	9041.6	11068.2	11950.4	11920.2	
75°		10691.8	8758.2	6675.7	7804.5	9421.9	10634.7	11017.9	
80°		9861.7	7688.2	5656.3	6402.2	7739.7	9101.6	9649.0	
85°		8552.2	6587.3	4651.6	5015.6	5896.1	6904.8	7129.5	

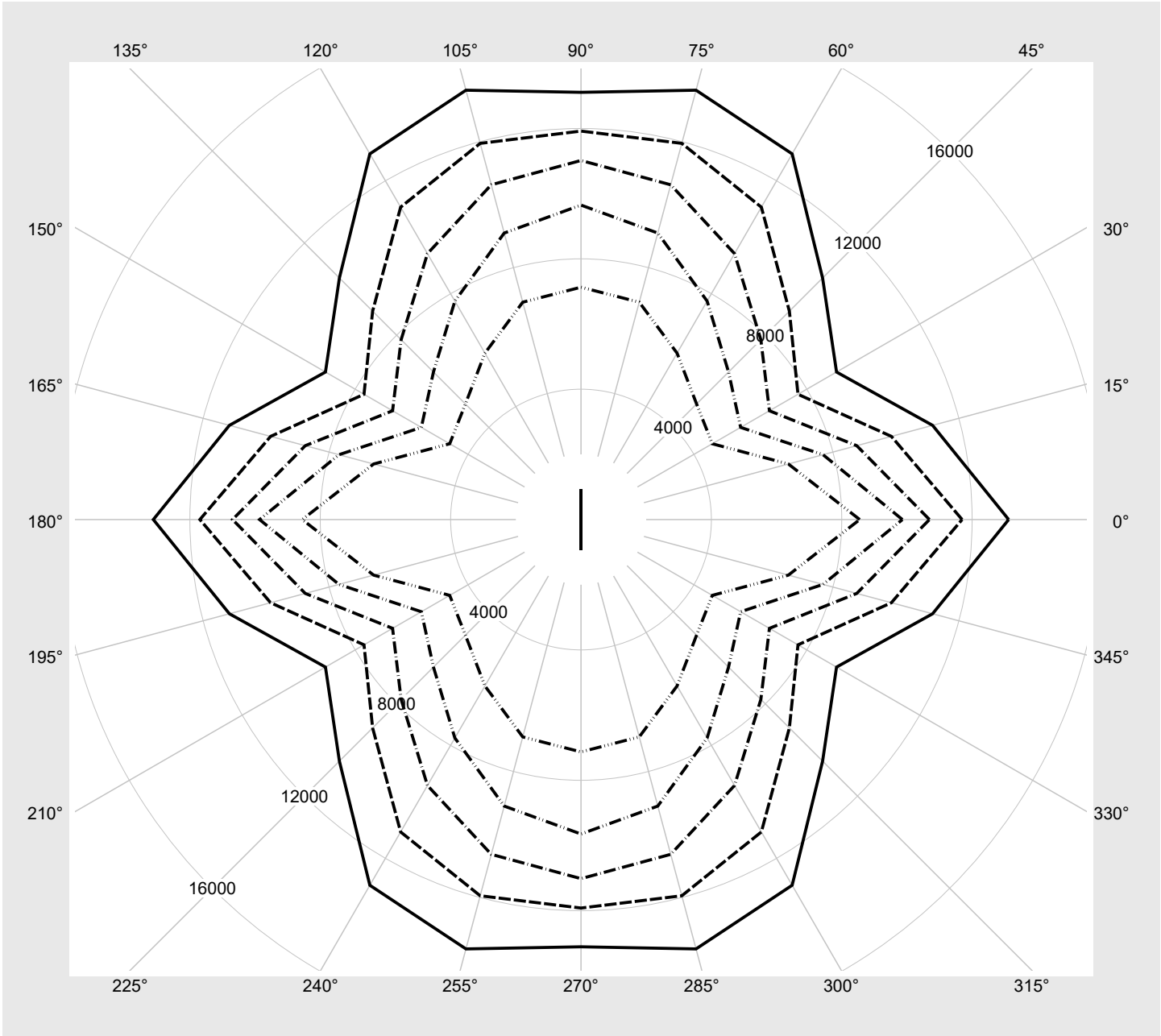
Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12CN49XG EAN: 4058352890745	LP number 59101_306
--	--	--------------------------------------

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: 52TL12CN49XG EAN: 4058352890745	LP number 59101_306
---------------------------------------	--	-------------------------------

Multilumen Table	environmental temperature: 25°C	sITeco
-------------------------	---------------------------------	---------------

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption	Power consumption
	1	2	3			end of lifetime [W]	average [W]
1	A	C	E	9260	49.9	60.5	55.2
2	A	C	F	8819	47.3	56.9	52.1
3	A	D	E	8294	44.4	53.4	48.9
4	A	D	F	7769	41.4	49.5	45.4
5	B	C	E	7234	38.4	45.6	42.0
6	B	C	F	6688	35.3	42.2	38.8
7	B	D	E	6226	32.8	39.2	36.0
8	B	D	F	5680	29.9	35.3	32.6