

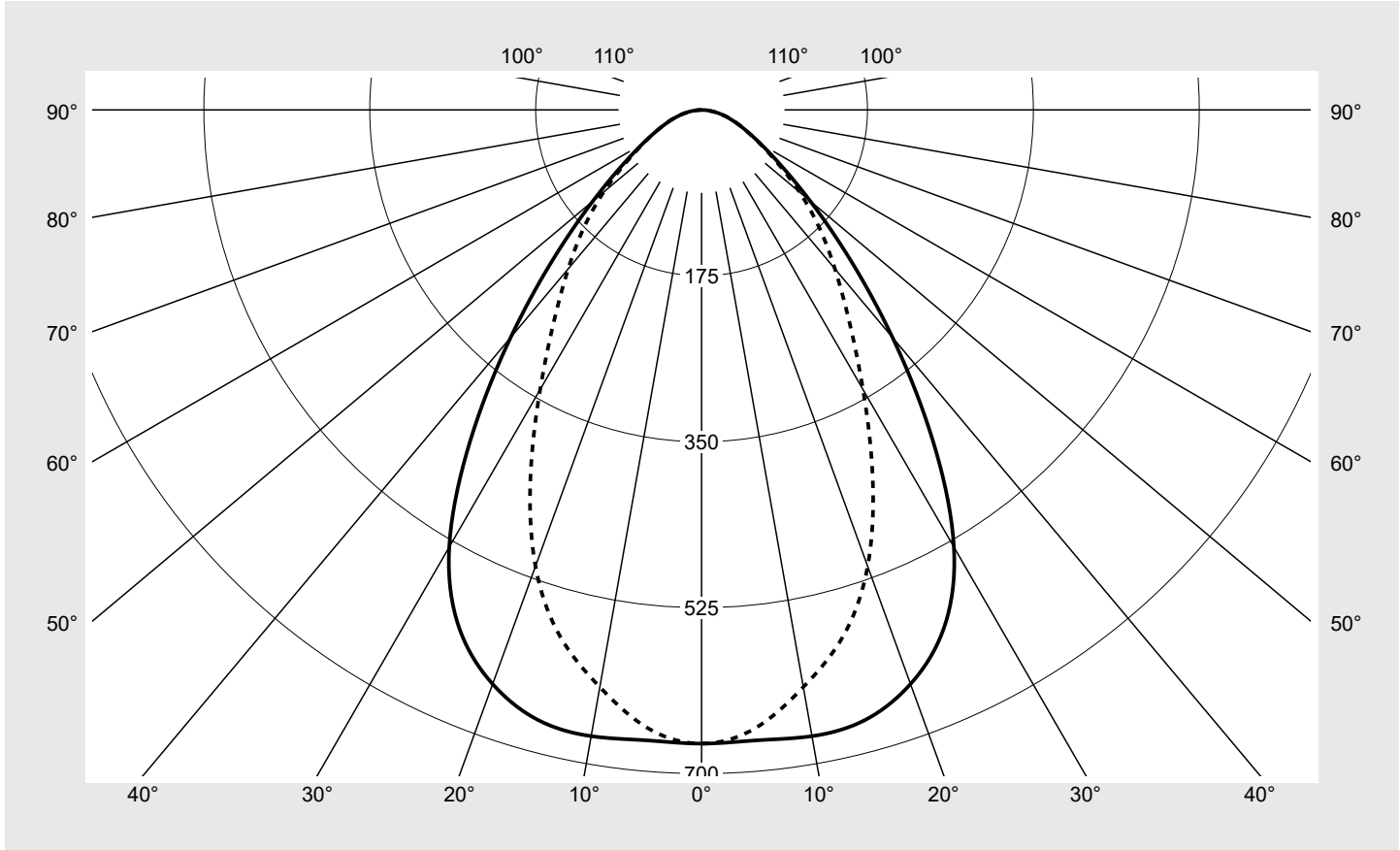


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12DN47XG EAN: 4058352890868	LP number 59101_279
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 7230 lm Power consumption = 39.3 W Luminous efficacy = 184 lm/W	serial documentation 03.08.2023
		

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: 52TL12DN47XG EAN: 4058352890868	LP number 59101_279
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: 52TL12DN47XG EAN: 4058352890868	LP number 59101_279
---------------------------------------	--	-------------------------------

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	20.6	22.0	21.0	22.4	22.7	20.6	22.0	20.9	22.3	22.6
	3H	21.2	22.5	21.6	22.8	23.2	21.3	22.6	21.7	22.9	23.3
	4H	21.5	22.7	21.9	23.0	23.4	21.7	22.9	22.1	23.2	23.6
	6H	21.7	22.8	22.2	23.2	23.6	21.9	23.0	22.3	23.4	23.8
	8H	21.9	22.9	22.3	23.2	23.6	22.1	23.0	22.5	23.4	23.8
	12H	22.0	22.9	22.4	23.2	23.7	22.1	23.0	22.6	23.4	23.8
4H	2H	20.8	22.0	21.2	22.3	22.7	20.8	21.9	21.2	22.3	22.7
	3H	21.4	22.4	21.9	22.8	23.2	21.7	22.7	22.1	23.1	23.5
	4H	21.8	22.7	22.2	23.1	23.5	22.2	23.0	22.6	23.4	23.9
	6H	22.1	22.9	22.6	23.3	23.8	22.5	23.3	23.0	23.7	24.2
	8H	22.3	22.9	22.7	23.4	23.9	22.6	23.3	23.1	23.8	24.2
	12H	22.4	23.0	22.9	23.4	23.9	22.7	23.3	23.2	23.8	24.3
8H	4H	21.9	22.5	22.3	23.0	23.5	22.2	22.9	22.7	23.3	23.8
	6H	22.2	22.8	22.7	23.3	23.8	22.7	23.2	23.1	23.7	24.2
	8H	22.4	22.9	22.9	23.4	23.9	22.8	23.3	23.3	23.8	24.3
	12H	22.5	22.9	23.1	23.4	24.0	22.9	23.3	23.4	23.8	24.4
12H	4H	21.9	22.5	22.4	22.9	23.4	22.2	22.8	22.7	23.3	23.8
	6H	22.3	22.7	22.8	23.2	23.7	22.7	23.1	23.2	23.6	24.1
	8H	22.4	22.8	22.9	23.3	23.9	22.8	23.2	23.4	23.7	24.3

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°		25764.1	23546.1	20646.1	20112.8	21366.1	21707.1	20628.8	
50°		19352.2	17139.8	14559.0	15036.7	17194.4	18826.4	17434.9	
55°		14874.9	12913.1	10825.6	11811.6	14210.3	15640.2	14206.7	
60°		12030.4	10326.9	8527.7	9697.2	11928.2	12716.7	11797.2	
65°		10245.3	8720.0	7068.8	8184.9	10116.5	10649.0	10235.5	
70°		9129.9	7698.3	6002.5	7059.5	8641.8	9330.6	9307.0	
75°		8347.9	6838.2	5212.2	6093.6	7356.4	8303.3	8602.6	
80°		7699.8	6002.7	4416.3	4998.7	6042.9	7106.3	7533.7	
85°		6677.4	5143.2	3631.9	3916.0	4603.5	5391.1	5566.6	

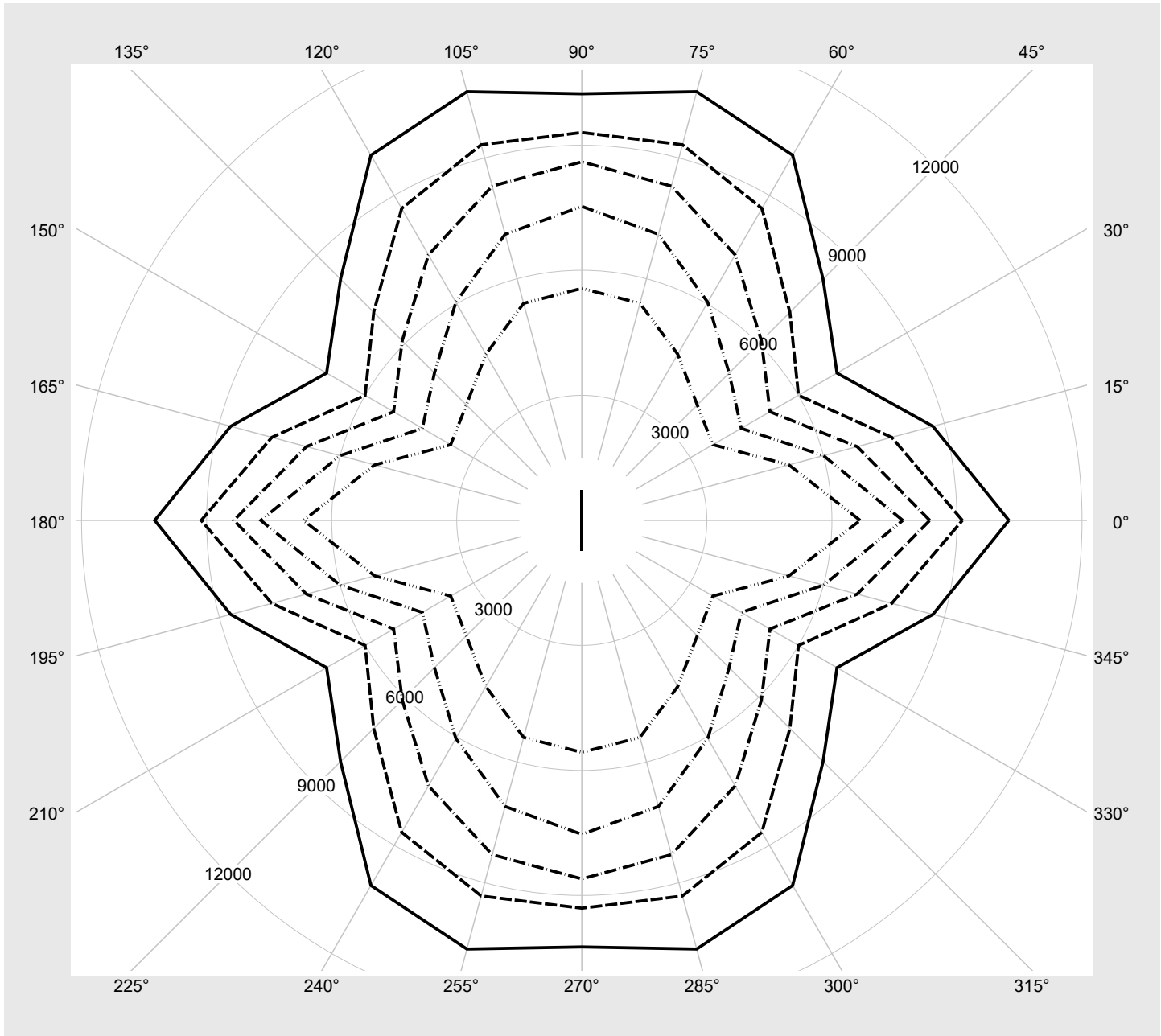
Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12DN47XG EAN: 4058352890868	LP number 59101_279
--	--	--------------------------------------

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: 52TL12DN47XG EAN: 4058352890868	LP number 59101_279
---------------------------------------	--	--------------------------------------

Dimming levels table	environmental temperature: 25°C	sITeco
-----------------------------	---------------------------------	---------------

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	----	----	----	----
99	252	254	7175	39.0
95	241	252	6882	37.3
90	227	250	6502	35.2
85	214	248	6146	33.2
80	201	245	5790	31.3
75	188	243	5430	29.2
70	175	240	5067	27.4
65	162	238	4704	25.6
60	149	234	4337	23.7
55	136	231	3966	21.8
50	124	228	3626	20.1
45	111	224	3251	18.1
40	99	219	2904	16.3
35	86	214	2528	14.3
30	74	209	2178	12.3
25	61	202	1796	11.0
20	49	194	1444	9.3
15	37	183	1088	7.4
12	29	175	852	6.3