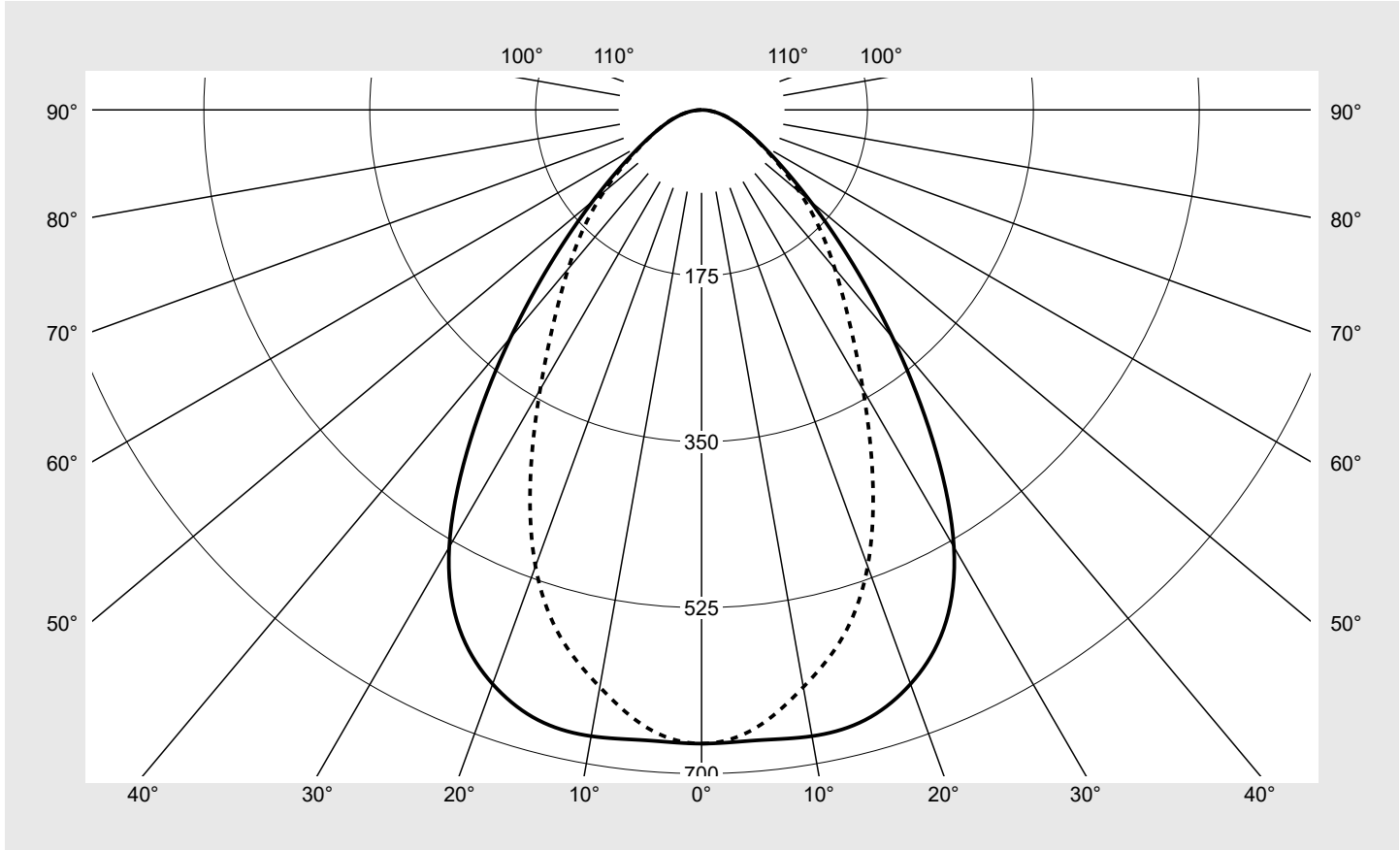


# Photometric test report

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TL12DV4DXG</b> <b>EAN: 4058352890981</b>	<b>LP number</b> <b>59101_275</b>
	<b>Version</b> cover frosted, wide distribution, high visual comfort <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 13000 lm Power consumption = 71.0 W Luminous efficacy = 183.1 lm/W	<b>serial documentation</b> <b>02.08.2023</b>



**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	
$\eta_{LB}$	100.0%
$\phi_u$	100.0%
$\phi_o$	0.0%

**Measurement conditions**  
 DIN EN 13032 and DIN 5032

## Photometric test report

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TL12DV4DXG</b> <b>EAN: 4058352890981</b>	<b>LP number</b> <b>59101_275</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

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°	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

<b>Family</b> Licross® 21 Recessed	<b>Order number: 52TL12DV4DXG</b> <b>EAN: 4058352890981</b>	<b>LP number</b> 59101_275
---------------------------------------	--	-------------------------------

<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
------------------	----------------------	---------------

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	21.2	22.7	21.6	23.0	23.3	21.2	22.6	21.5	22.9	23.3
	3H	21.8	23.1	22.2	23.4	23.8	22.0	23.2	22.4	23.6	23.9
	4H	22.1	23.3	22.5	23.6	24.0	22.3	23.5	22.7	23.8	24.2
	6H	22.4	23.4	22.8	23.8	24.2	22.6	23.6	23.0	24.0	24.4
	8H	22.5	23.5	23.0	23.9	24.3	22.7	23.7	23.1	24.1	24.5
	12H	22.6	23.5	23.0	23.9	24.3	22.7	23.7	23.2	24.0	24.5
4H	2H	21.4	22.6	21.8	22.9	23.3	21.4	22.6	21.8	22.9	23.3
	3H	22.1	23.1	22.5	23.4	23.9	22.3	23.3	22.8	23.7	24.1
	4H	22.4	23.3	22.9	23.7	24.1	22.8	23.7	23.2	24.1	24.5
	6H	22.7	23.5	23.2	23.9	24.4	23.1	23.9	23.6	24.3	24.8
	8H	22.9	23.6	23.4	24.0	24.5	23.3	24.0	23.7	24.4	24.9
	12H	23.0	23.6	23.5	24.1	24.5	23.4	23.9	23.9	24.4	24.9
8H	4H	22.5	23.2	23.0	23.6	24.1	22.8	23.5	23.3	24.0	24.4
	6H	22.9	23.4	23.4	23.9	24.4	23.3	23.8	23.8	24.3	24.8
	8H	23.0	23.5	23.5	24.0	24.5	23.4	23.9	23.9	24.4	24.9
	12H	23.2	23.6	23.7	24.1	24.6	23.6	24.0	24.1	24.5	25.0
12H	4H	22.5	23.1	23.0	23.6	24.1	22.9	23.4	23.3	23.9	24.4
	6H	22.9	23.3	23.4	23.8	24.4	23.3	23.7	23.8	24.2	24.8
	8H	23.0	23.4	23.6	23.9	24.5	23.5	23.9	24.0	24.4	24.9

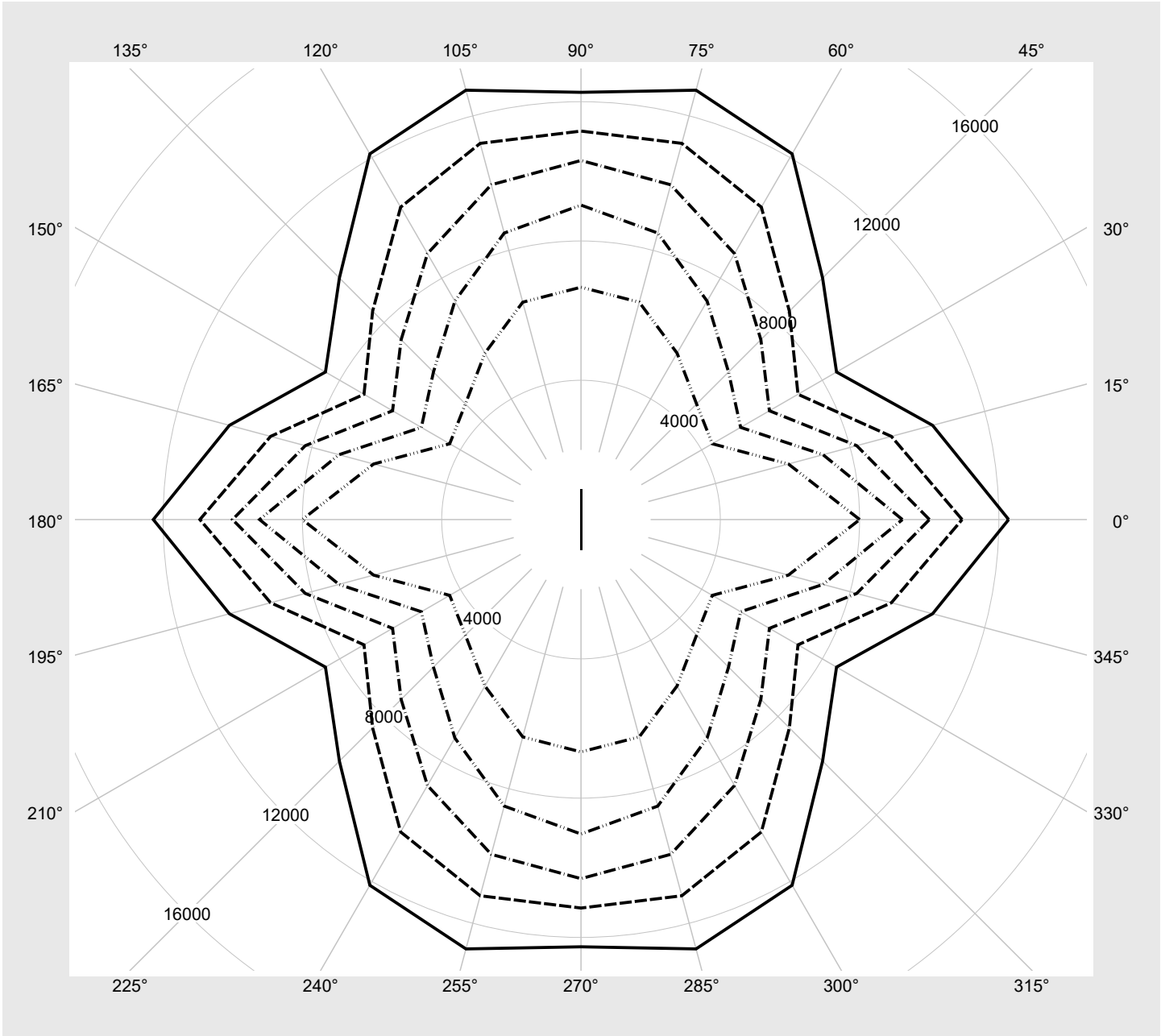
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 2250</b> <b>B = 58</b>
------------------------	---	--------------------------------------	----------------------------------

C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>						
		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°		30883.6	28224.9	24748.7	24109.4	25611.8	26020.4	24727.9
50°		23197.6	20545.7	17452.0	18024.7	20611.1	22567.3	20899.3
55°		17830.7	15479.1	12976.8	14158.6	17034.0	18748.1	17029.7
60°		14420.9	12379.0	10222.3	11624.1	14298.4	15243.6	14141.4
65°		12281.1	10452.7	8473.4	9811.3	12126.8	12765.1	12269.4
70°		10944.1	9228.0	7195.3	8462.3	10359.0	11184.7	11156.4
75°		10006.8	8197.0	6247.9	7304.4	8818.2	9953.3	10312.0
80°		9229.8	7195.6	5293.8	5992.0	7243.7	8518.4	9030.7
85°		8004.3	6165.2	4353.6	4694.2	5518.3	6462.4	6672.7

**Photometric test report**

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TL12DV4DXG</b> <b>EAN: 4058352890981</b>	<b>LP number</b> <b>59101_275</b>
--	--	--------------------------------------

**Luminance values in cd/m<sup>2</sup>**       $\gamma$  65°      $\gamma$  70°      $\gamma$  75°      $\gamma$  80°      $\gamma$  85°



## Photometric test report

<b>Family</b> Licross® 21 Recessed	<b>Order number: 52TL12DV4DXG</b> <b>EAN: 4058352890981</b>	<b>LP number</b> <b>59101_275</b>
---------------------------------------	--	--------------------------------------

<b>Dimming levels table</b>	environmental temperature: 25°C	<b>sITeco</b>
-----------------------------	---------------------------------	---------------

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	13000	71.0
95	240	252	12335	67.1
90	227	250	11708	63.5
85	213	248	11028	59.6
80	200	245	10393	56.0
75	187	243	9752	52.5
70	174	240	9105	48.9
65	161	237	8453	45.3
60	148	234	7796	41.7
55	135	231	7134	38.3
50	123	227	6518	35.0
45	110	223	5844	31.6
40	98	219	5218	28.4
35	85	214	4539	24.9
30	73	208	3906	21.7
25	61	202	3269	18.3
20	49	194	2626	15.0
15	36	182	1928	11.1
10	24	168	1283	7.4
5	12	142	631	3.7
2	5	110	246	1.5