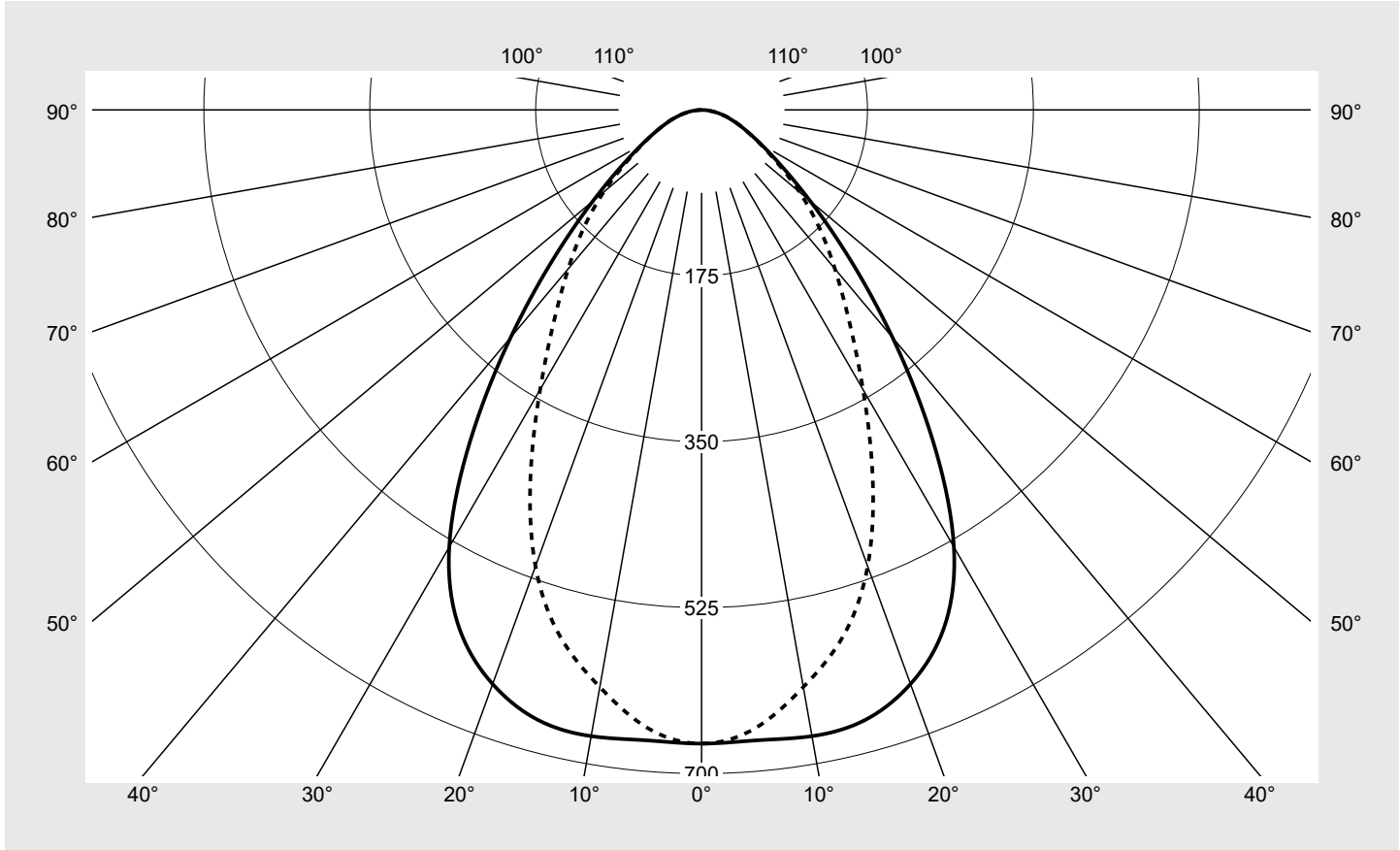


# Photometric test report

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TL12DN6AXG</b> <b>EAN: 4058352971376</b>	<b>LP number</b> <b>59101_354</b>
	<b>Version</b> cover frosted, wide distribution, high visual comfort <b>Lamps</b> LED 6500 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 10000 lm Power consumption = 58.0 W Luminous efficacy = 172.4 lm/W	<b>serial documentation</b> <b>28.09.2023</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: 52TL12DN6AXG</b> <b>EAN: 4058352971376</b>	<b>LP number</b> <b>59101_354</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: 52TL12DN6AXG</b> <b>EAN: 4058352971376</b>	<b>LP number</b> 59101_354
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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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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	21.7	23.2	22.1	23.5	23.8	21.7	23.1	22.0	23.4	23.7
	3H	22.3	23.6	22.7	23.9	24.3	22.5	23.7	22.9	24.1	24.4
	4H	22.6	23.8	23.0	24.1	24.5	22.8	24.0	23.2	24.3	24.7
	6H	22.9	23.9	23.3	24.3	24.7	23.1	24.1	23.5	24.5	24.9
	8H	23.0	24.0	23.5	24.4	24.8	23.2	24.2	23.6	24.6	25.0
	12H	23.1	24.0	23.5	24.4	24.8	23.2	24.1	23.7	24.5	25.0
4H	2H	21.9	23.1	22.3	23.4	23.8	21.9	23.1	22.3	23.4	23.8
	3H	22.6	23.6	23.0	23.9	24.4	22.8	23.8	23.3	24.2	24.6
	4H	22.9	23.8	23.4	24.2	24.6	23.3	24.2	23.7	24.6	25.0
	6H	23.2	24.0	23.7	24.4	24.9	23.6	24.4	24.1	24.8	25.3
	8H	23.4	24.1	23.9	24.5	25.0	23.8	24.4	24.2	24.9	25.4
	12H	23.5	24.1	24.0	24.5	25.0	23.9	24.4	24.4	24.9	25.4
8H	4H	23.0	23.7	23.5	24.1	24.6	23.3	24.0	23.8	24.5	24.9
	6H	23.4	23.9	23.9	24.4	24.9	23.8	24.3	24.3	24.8	25.3
	8H	23.5	24.0	24.0	24.5	25.0	23.9	24.4	24.4	24.9	25.4
	12H	23.7	24.1	24.2	24.6	25.1	24.1	24.5	24.6	25.0	25.5
12H	4H	23.0	23.6	23.5	24.1	24.6	23.4	23.9	23.8	24.4	24.9
	6H	23.4	23.8	23.9	24.3	24.9	23.8	24.2	24.3	24.7	25.3
	8H	23.5	23.9	24.1	24.4	25.0	24.0	24.4	24.5	24.9	25.4

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1500</b> <b>B = 58</b>
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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°		35634.9	32567.2	28556.2	27818.6	29552.0	30023.6	28532.2
50°		26766.5	23706.5	20137.0	20797.7	23782.0	26039.2	24114.6
55°		20573.9	17860.5	14973.2	16336.9	19654.7	21632.4	19649.6
60°		16639.5	14283.4	11794.9	13412.4	16498.2	17588.7	16317.0
65°		14170.6	12060.8	9777.0	11320.8	13992.4	14728.9	14157.0
70°		12627.8	10647.7	8302.3	9764.2	11952.6	12905.4	12872.8
75°		11546.3	9458.1	7209.1	8428.2	10174.9	11484.5	11898.4
80°		10649.8	8302.6	6108.3	6913.8	8358.2	9829.0	10420.1
85°		9235.7	7113.7	5023.4	5416.4	6367.3	7456.6	7699.3

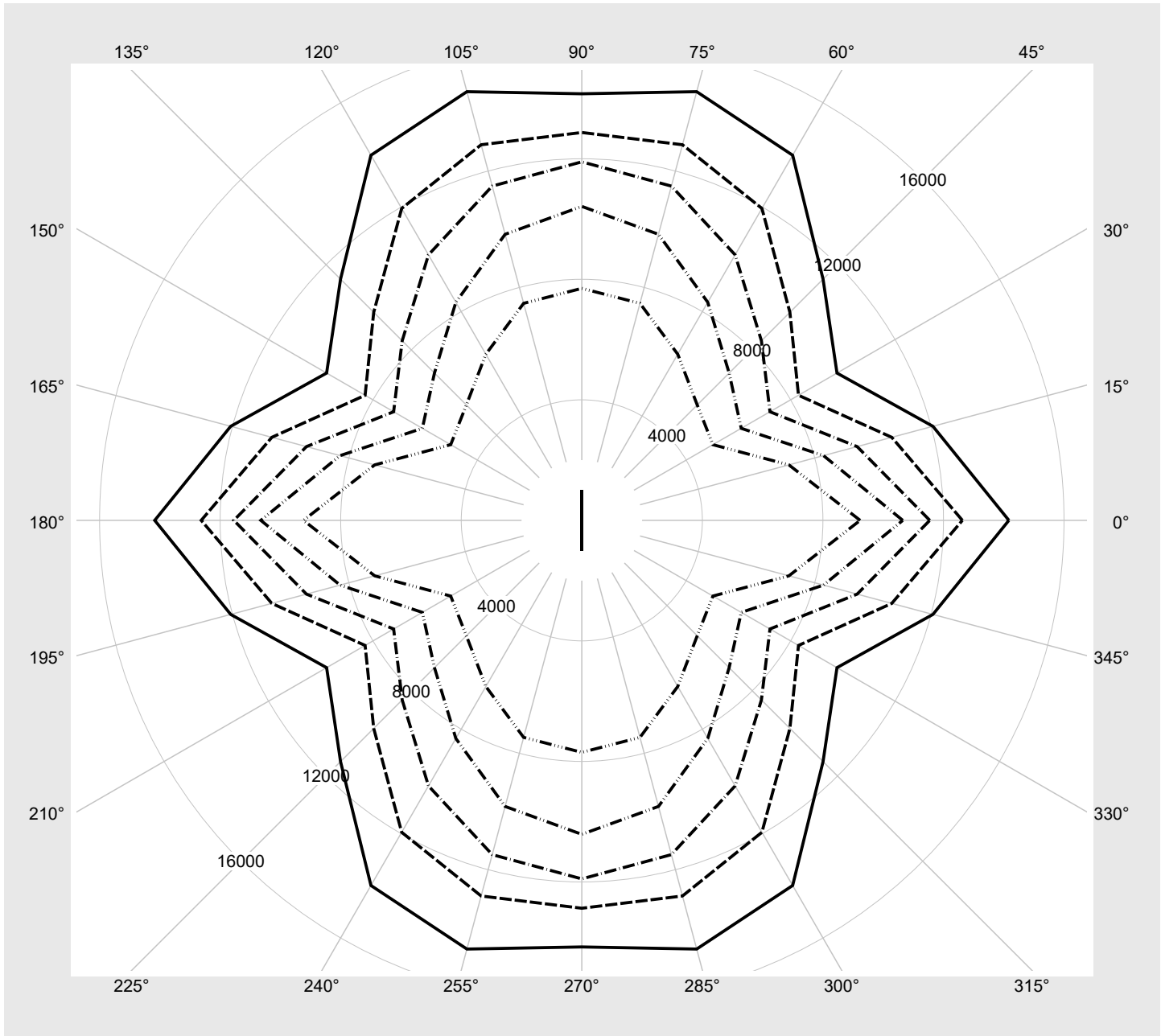
# Photometric test report

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TL12DN6AXG</b> <b>EAN: 4058352971376</b>	<b>LP number</b> <b>59101_354</b>
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**Luminance values in cd/m<sup>2</sup>**

$\gamma$  65°   
   $\gamma$  70°   
   $\gamma$  75°   
   $\gamma$  80°   
   $\gamma$  85°

**siteco**



## Photometric test report

<b>Family</b> Licross® 21 Recessed	<b>Order number: 52TL12DN6AXG</b> <b>EAN: 4058352971376</b>	<b>LP number</b> <b>59101_354</b>
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<b>Dimming levels table</b>	environmental temperature: 25°C	<b>sITeco</b>
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	10000	58.0
95	240	252	9495	54.8
90	226	250	8986	51.5
85	213	248	8504	48.7
80	199	245	7983	45.5
75	186	243	7491	42.6
70	173	240	6997	39.6
65	160	237	6500	36.8
60	147	234	5996	33.9
55	134	231	5488	31.0
50	122	227	5013	28.4
45	109	223	4495	25.5
40	97	219	4013	22.9
35	84	213	3487	20.1
30	72	208	2996	17.5
25	60	201	2503	15.0
20	48	193	2006	12.3
15	36	182	1505	9.7
10	24	168	1001	7.2
5	12	142	494	4.6
2	4	102	154	3.0