

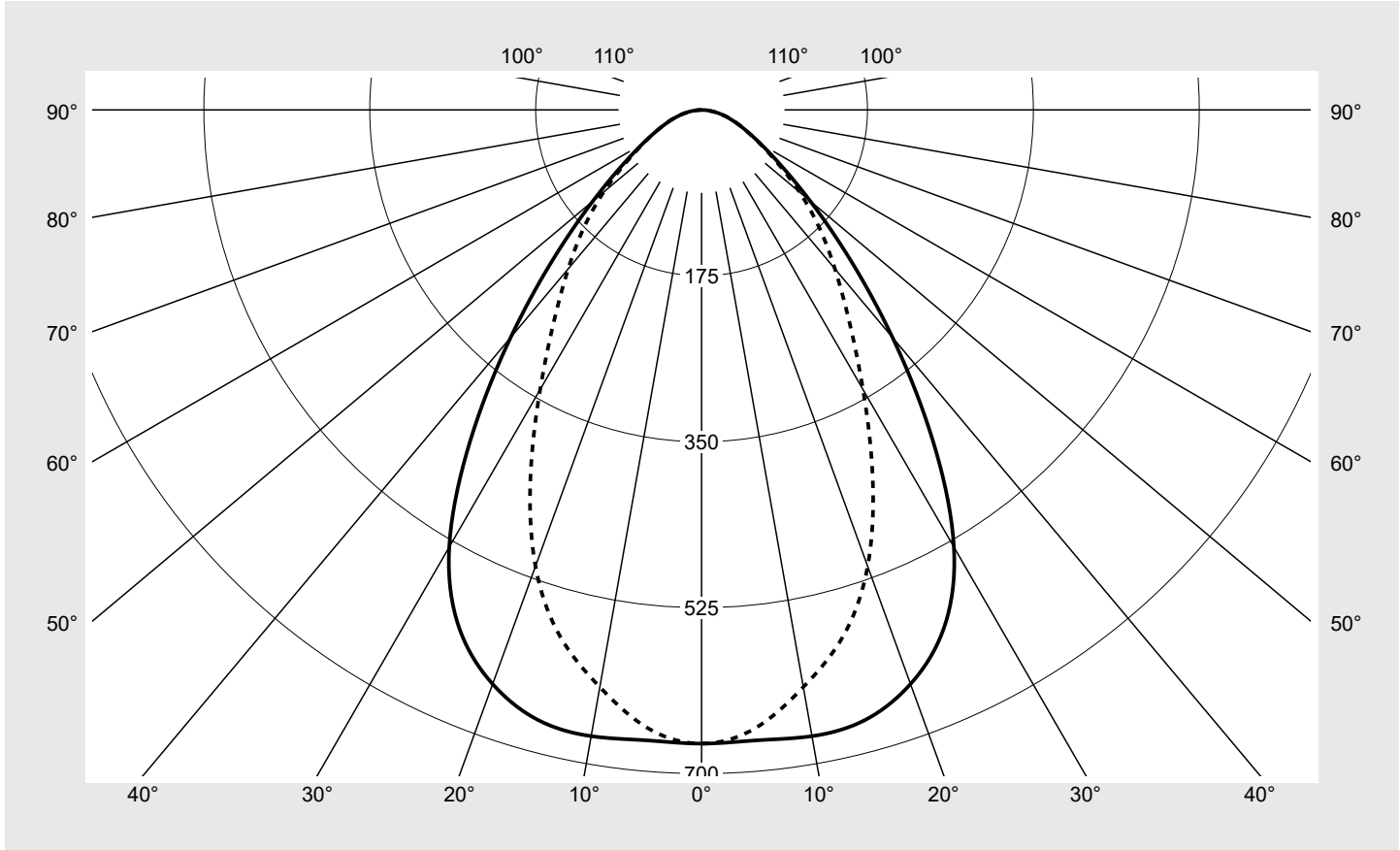


# Photometric test report

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TE12DV6FXG3S</b> <b>EAN: 4058352013380</b>	<b>LP number</b> <b>59101_373</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>Setting</b> AC-mode <b>Rated values</b> Net luminous flux = 15000 lm Power consumption = 89.1 W Luminous efficacy = 168.4 lm/W	<b>serial documentation</b> <b>27.11.2023</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

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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>sITeco</b>

C-planes γ	0°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
	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

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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 = 2250</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	

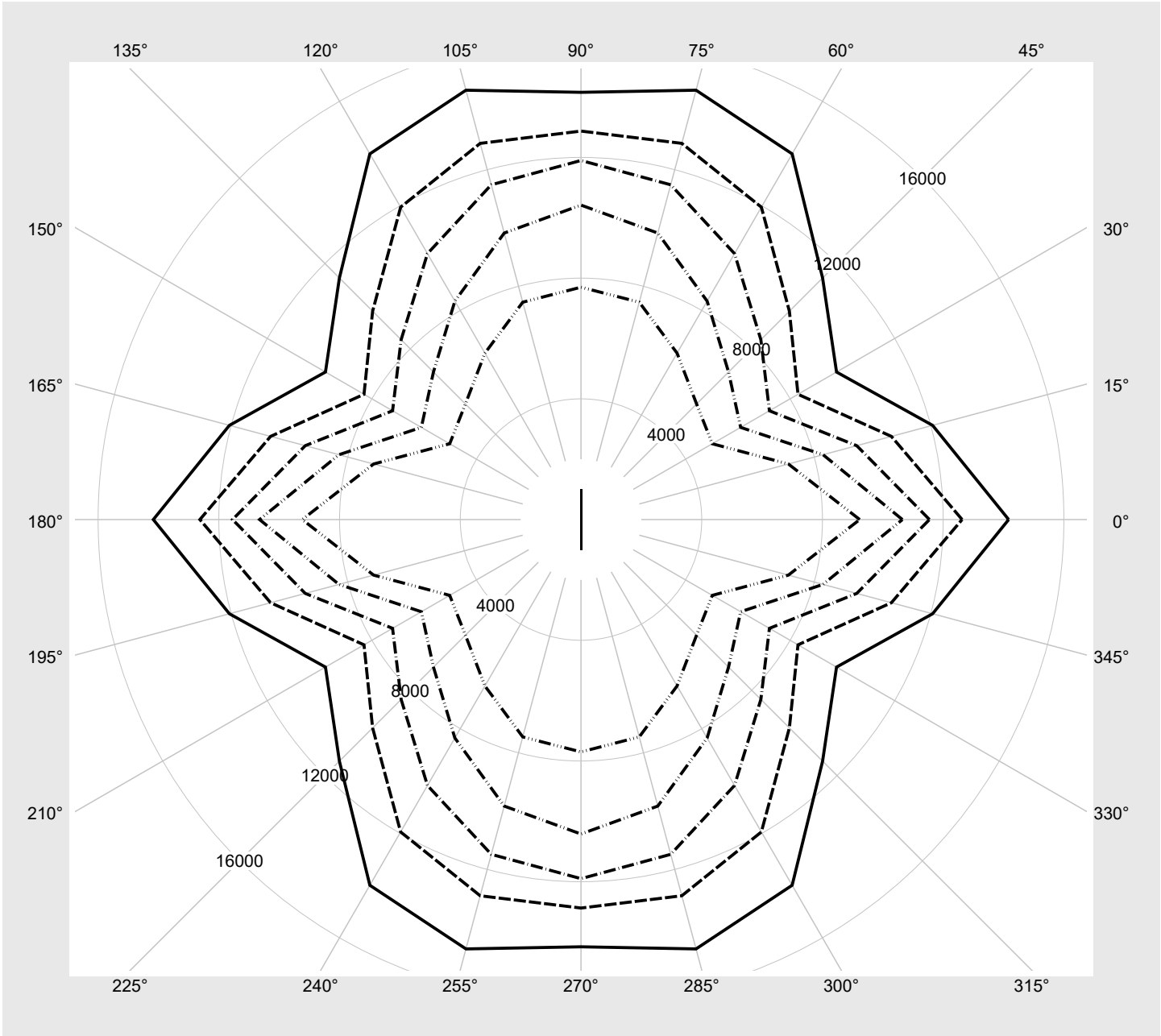
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**Luminance values in cd/m<sup>2</sup>**

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

**siteco**



## Photometric test report

<b>Family</b> Licross® 21 Recessed	<b>Order number: 52TE12DV6FXG3S</b> <b>EAN: 4058352013380</b>	<b>LP number</b> 59101_373
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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	15000	89.1
95	240	252	14243	84.5
90	226	250	13477	79.9
85	213	248	12756	75.5
80	199	245	11974	70.8
75	186	243	11236	66.5
70	173	240	10495	62.1
65	160	237	9748	57.8
60	147	234	8994	53.5
55	134	231	8231	49.2
50	122	227	7518	45.2
45	109	223	6742	41.1
40	97	219	6020	37.2
35	84	213	5231	33.0
30	72	208	4495	29.1
25	60	201	3754	25.3
20	48	193	3008	21.2
15	36	182	2257	17.1
10	24	168	1501	12.8
5	12	142	741	8.2
2	4	102	228	5.2