
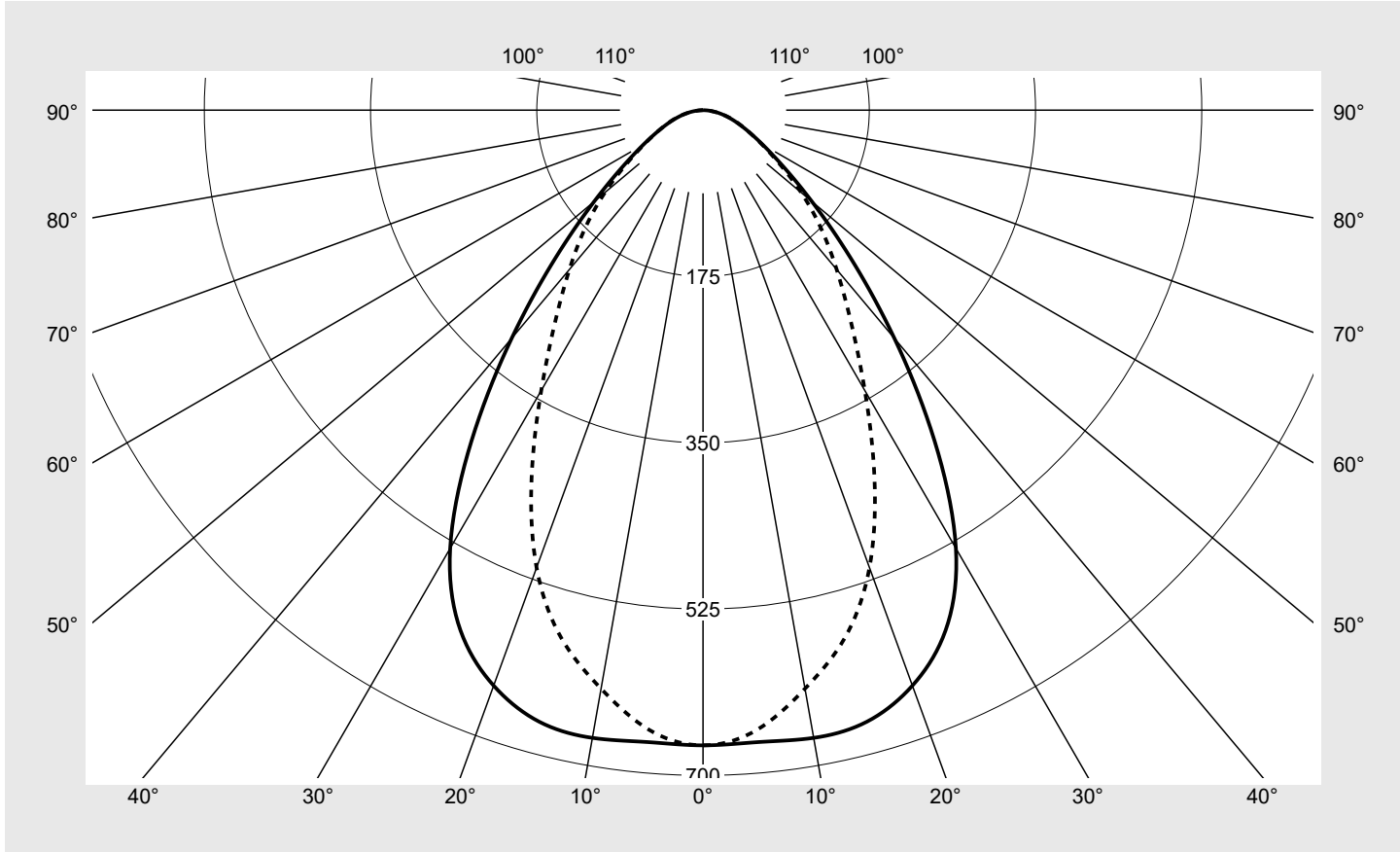


# Photometric test report

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TE12DV4FXG3S</b> <b>EAN: 4058352907993</b>	<b>LP number</b> <b>59101_317</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>Setting</b> AC-mode <b>Rated values</b> Net luminous flux = 15420 lm Power consumption = 89.1 W Luminous efficacy = 173.1 lm/W	<b>serial documentation</b> <b>17.08.2023</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: 52TE12DV4FXG3S</b> <b>EAN: 4058352907993</b>	<b>LP number</b> <b>59101_317</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: 52TE12DV4FXG3S</b> <b>EAN: 4058352907993</b>	<b>LP number</b> 59101_317
---------------------------------------	--	-------------------------------

<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	21.8	23.3	22.2	23.6	23.9	21.8	23.2	22.1	23.5	23.8
	3H	22.4	23.7	22.8	24.0	24.4	22.6	23.8	22.9	24.2	24.5
	4H	22.7	23.9	23.1	24.2	24.6	22.9	24.1	23.3	24.4	24.8
	6H	23.0	24.0	23.4	24.4	24.8	23.2	24.2	23.6	24.6	25.0
	8H	23.1	24.1	23.6	24.5	24.9	23.3	24.3	23.7	24.7	25.1
	12H	23.2	24.1	23.6	24.5	24.9	23.3	24.2	23.8	24.6	25.1
4H	2H	22.0	23.2	22.4	23.5	23.9	22.0	23.2	22.4	23.5	23.9
	3H	22.7	23.7	23.1	24.0	24.5	22.9	23.9	23.4	24.3	24.7
	4H	23.0	23.9	23.5	24.3	24.7	23.4	24.3	23.8	24.7	25.1
	6H	23.3	24.1	23.8	24.5	25.0	23.7	24.5	24.2	24.9	25.4
	8H	23.5	24.2	24.0	24.6	25.1	23.9	24.5	24.3	25.0	25.5
	12H	23.6	24.2	24.1	24.6	25.1	24.0	24.5	24.4	25.0	25.5
8H	4H	23.1	23.8	23.6	24.2	24.7	23.4	24.1	23.9	24.6	25.0
	6H	23.5	24.0	23.9	24.5	25.0	23.9	24.4	24.4	24.9	25.4
	8H	23.6	24.1	24.1	24.6	25.1	24.0	24.5	24.5	25.0	25.5
	12H	23.8	24.2	24.3	24.7	25.2	24.2	24.6	24.7	25.1	25.6
12H	4H	23.1	23.7	23.6	24.2	24.7	23.5	24.0	23.9	24.5	25.0
	6H	23.5	23.9	24.0	24.4	25.0	23.9	24.3	24.4	24.8	25.4
	8H	23.6	24.0	24.2	24.5	25.1	24.1	24.5	24.6	25.0	25.5

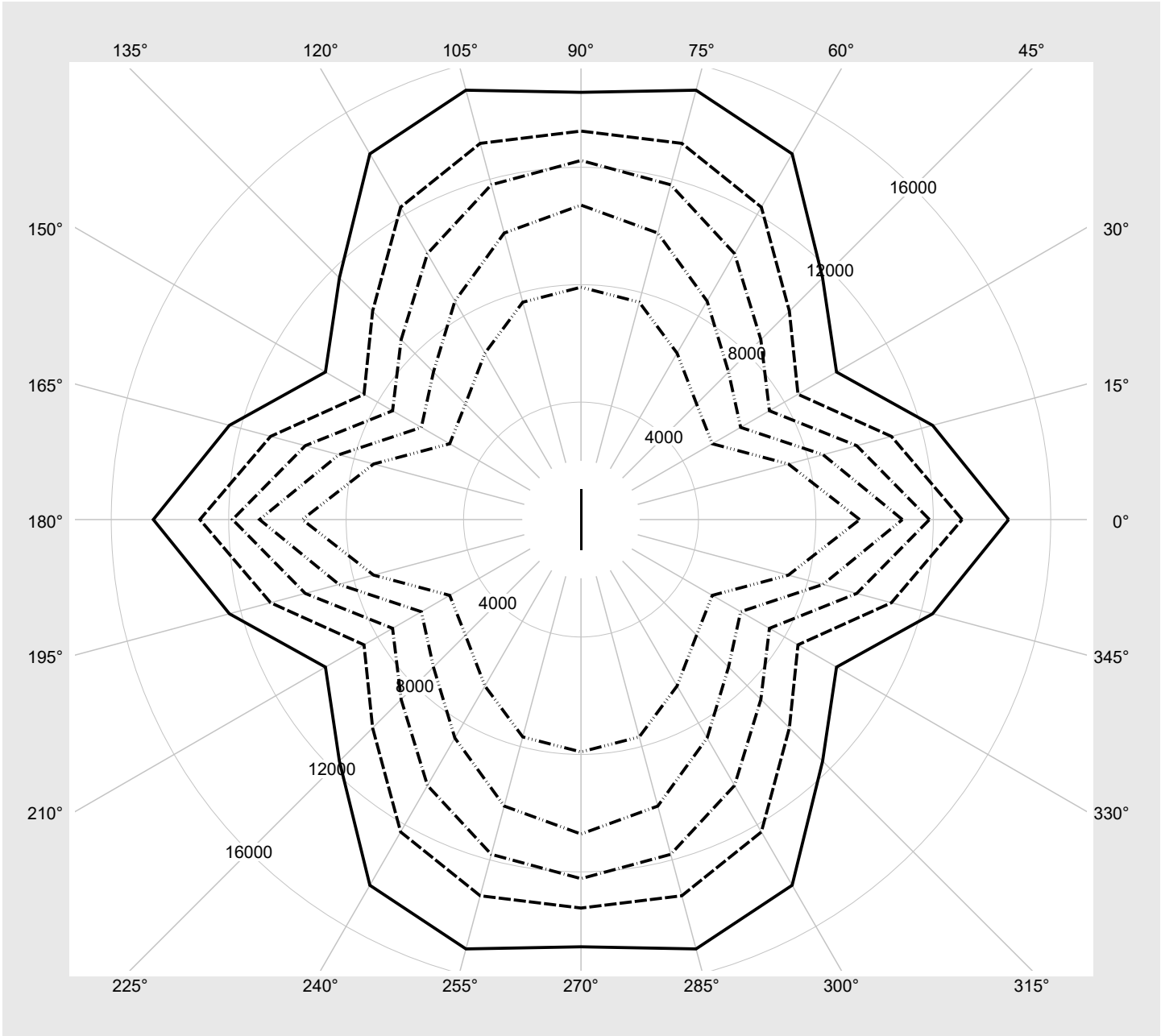
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 2250</b>
			<b>B = 58</b>

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°		36632.7	33479.1	29355.8	28597.5	30379.5	30864.3	29331.1	
50°		27516.0	24370.3	20700.8	21380.0	24447.9	26768.3	24789.8	
55°		21149.9	18360.6	15392.5	16794.3	20205.0	22238.1	20199.8	
60°		17105.4	14683.4	12125.2	13788.0	16960.1	18081.2	16773.9	
65°		14567.3	12398.5	10050.8	11637.8	14384.2	15141.3	14553.4	
70°		12981.4	10945.8	8534.7	10037.6	12287.3	13266.8	13233.2	
75°		11869.6	9722.9	7411.0	8664.2	10459.8	11806.1	12231.6	
80°		10947.9	8535.0	6279.3	7107.4	8592.2	10104.2	10711.8	
85°		9494.3	7312.9	5164.0	5568.0	6545.5	7665.4	7914.8	

**Photometric test report**

<b>Family</b> Licross® 21 Recessed	<b>Order number: 52TE12DV4FXG3S</b> <b>EAN: 4058352907993</b>	<b>LP number</b> 59101_317
---------------------------------------	--	-------------------------------

**Luminance values in cd/m<sup>2</sup>**     γ 65°   γ 70°   γ 75°   γ 80°   γ 85°     **siteco**



## Photometric test report

<b>Family</b> Licross® 21 Recessed	<b>Order number: 52TE12DV4FXG3S</b> <b>EAN: 4058352907993</b>	<b>LP number</b> <b>59101_317</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	15420	89.1
95	240	252	14644	84.5
90	226	250	13858	79.9
85	213	248	13119	75.5
80	199	245	12316	70.8
75	186	243	11558	66.5
70	173	240	10797	62.1
65	160	237	10030	57.8
60	147	234	9255	53.5
55	134	231	8471	49.2
50	122	227	7739	45.2
45	109	223	6940	41.1
40	97	219	6198	37.2
35	84	213	5386	33.0
30	72	208	4628	29.1
25	60	201	3866	25.3
20	48	193	3098	21.2
15	36	182	2325	17.1
10	24	168	1547	12.8
5	12	142	764	8.2
2	4	102	236	5.2