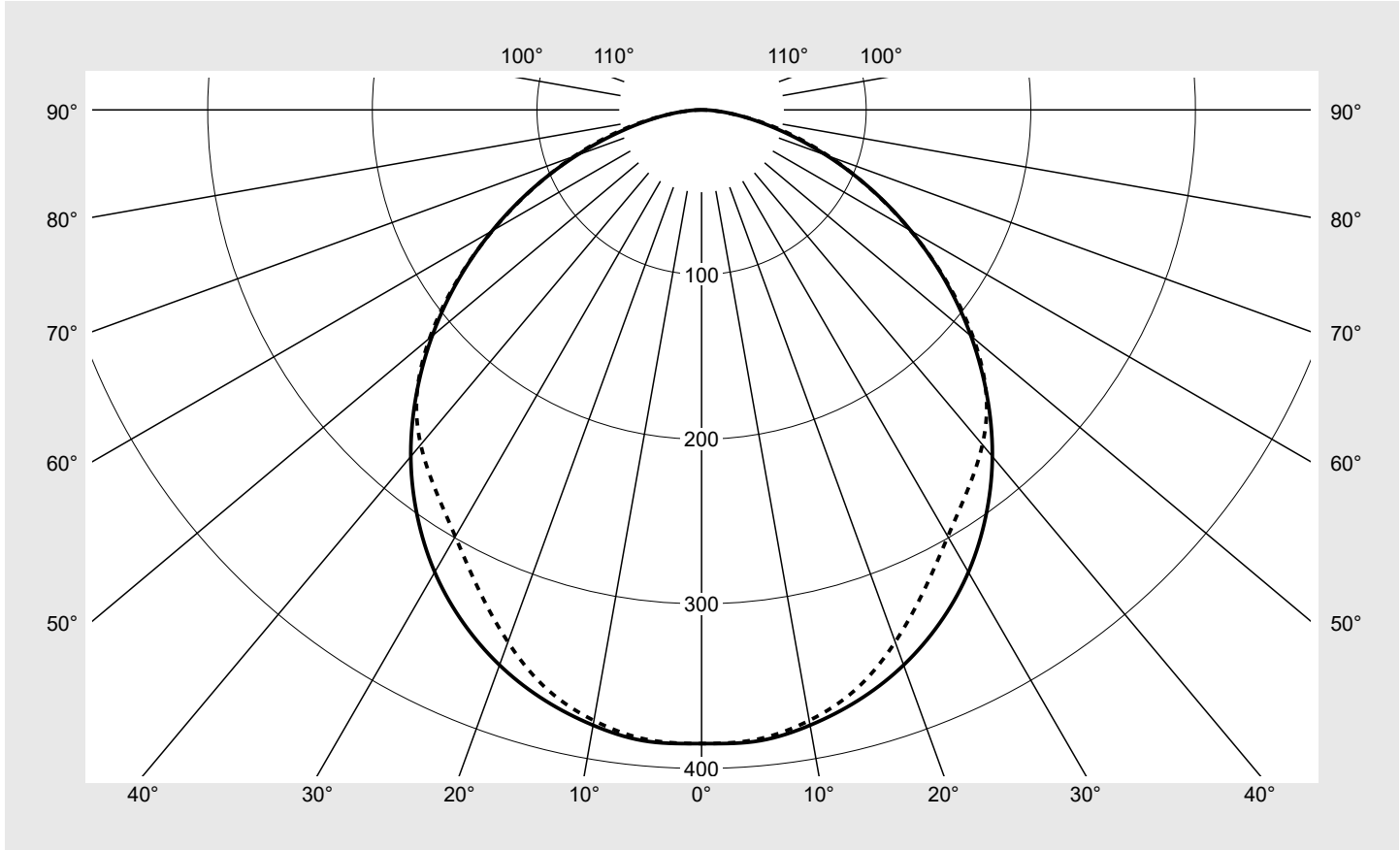


# Photometric test report

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TL10DV4E5G</b> <b>EAN: 4058352890349</b>	<b>LP number</b> <b>58684_63</b>
	<b>Version</b> cover frosted <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 14990 lm Power consumption = 85.3 W Luminous efficacy = 175.7 lm/W	<b>serial documentation</b> <b>02.08.2023</b>
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 385 cd/klm**



Classifications	
DIN 5040	A 4 0
CIE	N1=50 N2=81 N3=96 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

Family <b>Licross® 21 Recessed</b>	Order number: <b>52TL10DV4E5G</b> EAN: <b>4058352890349</b>	LP number <b>58684_63</b>
Table of values for luminous intensities		Maximum luminous intensity
		<b>siteco</b>

C-planes $\gamma$	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°	384.9	384.9	384.9	384.9	384.9	384.9	384.9	2.3	2.3
5°	384.9	383.5	380.9	382.4	383.7	383.9	383.8	18.3	20.6
10°	379.5	378.4	375.4	376.4	377.1	376.9	376.6	35.9	56.5
15°	370.8	369.9	366.1	365.8	365.5	363.9	363.9	52.0	108.5
20°	358.8	358.1	353.2	350.6	348.2	345.1	343.9	65.8	174.3
25°	343.3	342.7	336.1	331.0	326.3	322.1	320.9	76.8	251.1
30°	324.2	323.3	314.8	307.4	302.4	299.4	299.2	84.9	336.1
35°	301.1	299.6	289.7	281.8	279.3	280.0	281.8	90.2	426.3
40°	274.8	272.4	262.0	255.7	258.0	262.5	265.4	92.8	519.1
45°	245.2	241.9	231.9	229.2	235.1	240.6	244.6	92.0	611.1
50°	213.6	209.5	202.3	202.7	208.5	212.2	215.6	87.5	698.5
55°	180.7	176.6	172.5	174.4	178.1	179.3	181.7	79.5	778.0
60°	146.9	143.9	142.8	145.1	146.4	145.5	146.6	68.9	846.9
65°	113.3	112.0	113.5	115.8	115.6	113.0	112.9	56.5	903.4
70°	80.7	81.0	84.0	87.4	86.4	83.3	82.2	43.2	946.6
75°	51.4	52.0	55.5	60.1	59.2	56.0	54.4	29.6	976.3
80°	28.6	28.8	31.3	34.2	34.2	31.5	29.9	17.0	993.3
85°	11.6	11.6	12.6	13.6	13.2	11.7	10.4	6.7	1000.0
90°	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: 52TL10DV4E5G</b> <b>EAN: 4058352890349</b>	<b>LP number</b> 58684_63
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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	24.7	26.3	25.0	26.6	27.0	24.7	26.4	25.1	26.7	27.0
	3H	26.0	27.5	26.4	27.8	28.2	26.1	27.6	26.5	27.9	28.3
	4H	26.5	27.9	26.9	28.2	28.6	26.6	28.0	27.0	28.3	28.7
	6H	26.8	28.1	27.2	28.4	28.8	26.9	28.2	27.3	28.6	29.0
	8H	26.9	28.1	27.3	28.5	28.9	27.1	28.3	27.5	28.7	29.1
	12H	27.0	28.1	27.4	28.5	28.9	27.1	28.3	27.5	28.6	29.1
4H	2H	25.4	26.8	25.8	27.1	27.5	25.4	26.8	25.8	27.2	27.5
	3H	26.9	28.1	27.3	28.5	28.9	27.0	28.2	27.4	28.6	29.0
	4H	27.5	28.5	27.9	28.9	29.4	27.6	28.7	28.1	29.1	29.5
	6H	27.9	28.8	28.3	29.2	29.7	28.1	29.0	28.5	29.4	29.9
	8H	28.0	28.9	28.5	29.3	29.8	28.2	29.0	28.7	29.5	30.0
	12H	28.1	28.9	28.6	29.3	29.8	28.3	29.0	28.8	29.5	30.0
8H	4H	27.8	28.6	28.3	29.1	29.6	27.9	28.8	28.4	29.2	29.7
	6H	28.3	29.0	28.8	29.5	30.0	28.5	29.2	29.0	29.7	30.2
	8H	28.5	29.1	29.0	29.6	30.1	28.7	29.3	29.2	29.8	30.3
	12H	28.6	29.1	29.1	29.6	30.2	28.8	29.3	29.3	29.8	30.4
12H	4H	27.8	28.6	28.3	29.1	29.5	28.0	28.7	28.4	29.2	29.7
	6H	28.4	29.0	28.9	29.5	30.0	28.6	29.2	29.1	29.7	30.2
	8H	28.6	29.1	29.1	29.6	30.1	28.8	29.3	29.3	29.8	30.3

<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°		39827.9	39289.6	37669.0	37225.6	38189.5	39088.6	39733.2	
50°		38178.6	37443.5	36148.8	36213.8	37254.8	37918.5	38530.0	
55°		36179.6	35363.0	34553.7	34918.2	35662.0	35902.5	36383.9	
60°		33741.6	33063.9	32813.1	33340.1	33624.5	33415.2	33674.5	
65°		30795.6	30449.3	30835.2	31468.5	31409.3	30716.5	30696.6	
70°		27118.5	27204.2	28205.6	29342.8	29009.3	27960.1	27617.6	
75°		22812.6	23064.7	24637.1	26692.4	26270.8	24856.8	24153.8	
80°		18891.4	19072.0	20717.1	22641.4	22629.4	20842.1	19777.8	
85°		15306.5	15273.6	16540.1	17964.8	17357.2	15484.5	13732.9	

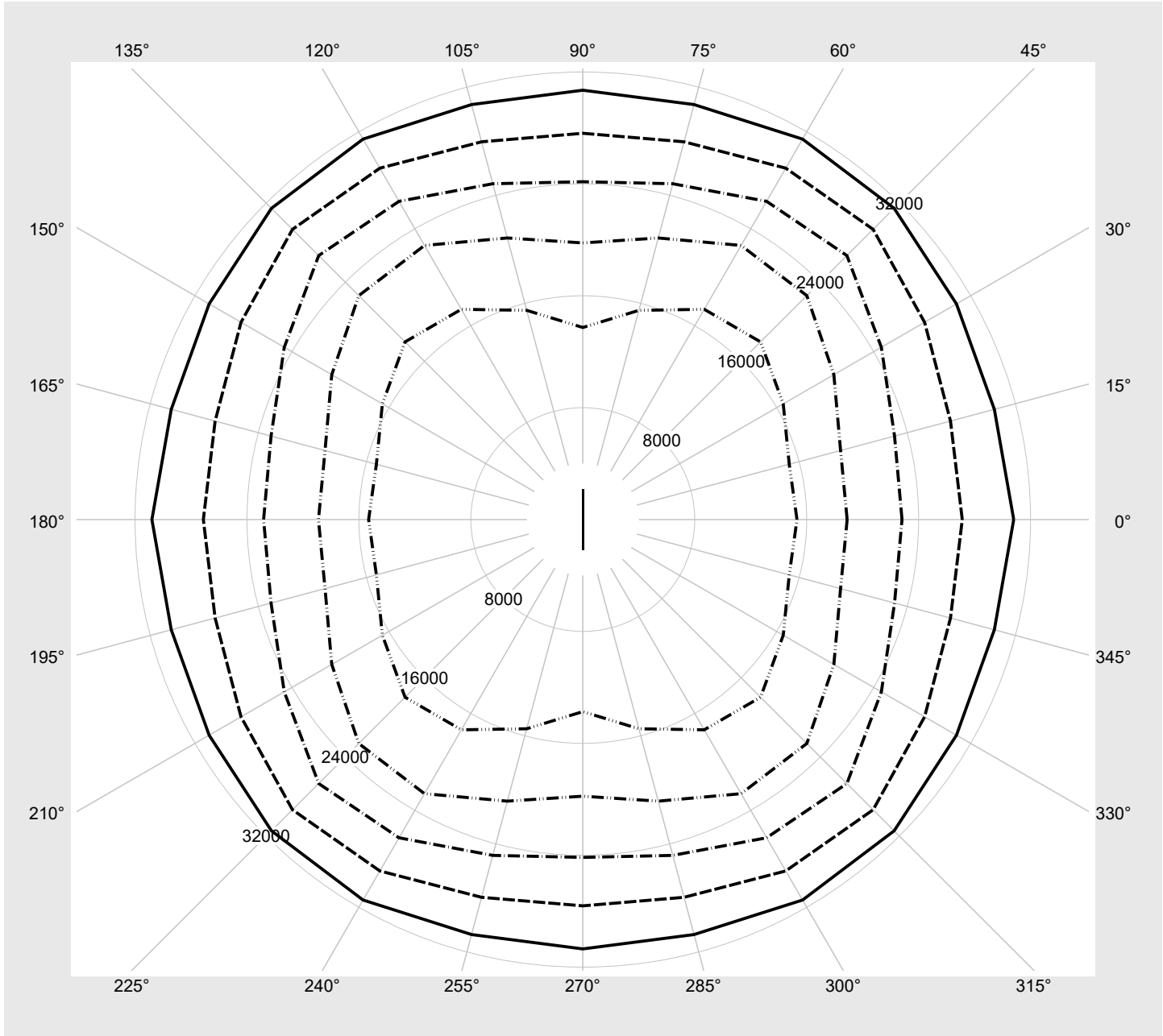
# Photometric test report

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TL10DV4E5G</b> <b>EAN: 4058352890349</b>	<b>LP number</b> <b>58684_63</b>
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**Luminance values in cd/m<sup>2</sup>**

$\gamma$ 65°	$\gamma$ 70°	$\gamma$ 75°	$\gamma$ 80°	$\gamma$ 85°
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## Photometric test report

<b>Family</b> Licross® 21 Recessed	<b>Order number: 52TL10DV4E5G</b> <b>EAN: 4058352890349</b>	<b>LP number</b> 58684_63
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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	14990	85.3
95	240	252	14236	80.7
90	226	250	13472	76.1
85	213	248	12753	71.7
80	199	245	11973	67.0
75	186	243	11236	62.7
70	173	240	10496	58.3
65	160	237	9750	54.0
60	147	234	8997	49.7
55	134	231	8235	45.4
50	122	227	7523	41.4
45	109	223	6746	37.3
40	97	219	6025	33.4
35	84	213	5236	29.2
30	72	208	4499	25.3
25	60	201	3758	21.5
20	48	193	3012	17.4
15	36	182	2260	13.3
10	24	168	1504	9.0
5	12	142	742	4.4
2	4	102	229	1.4