

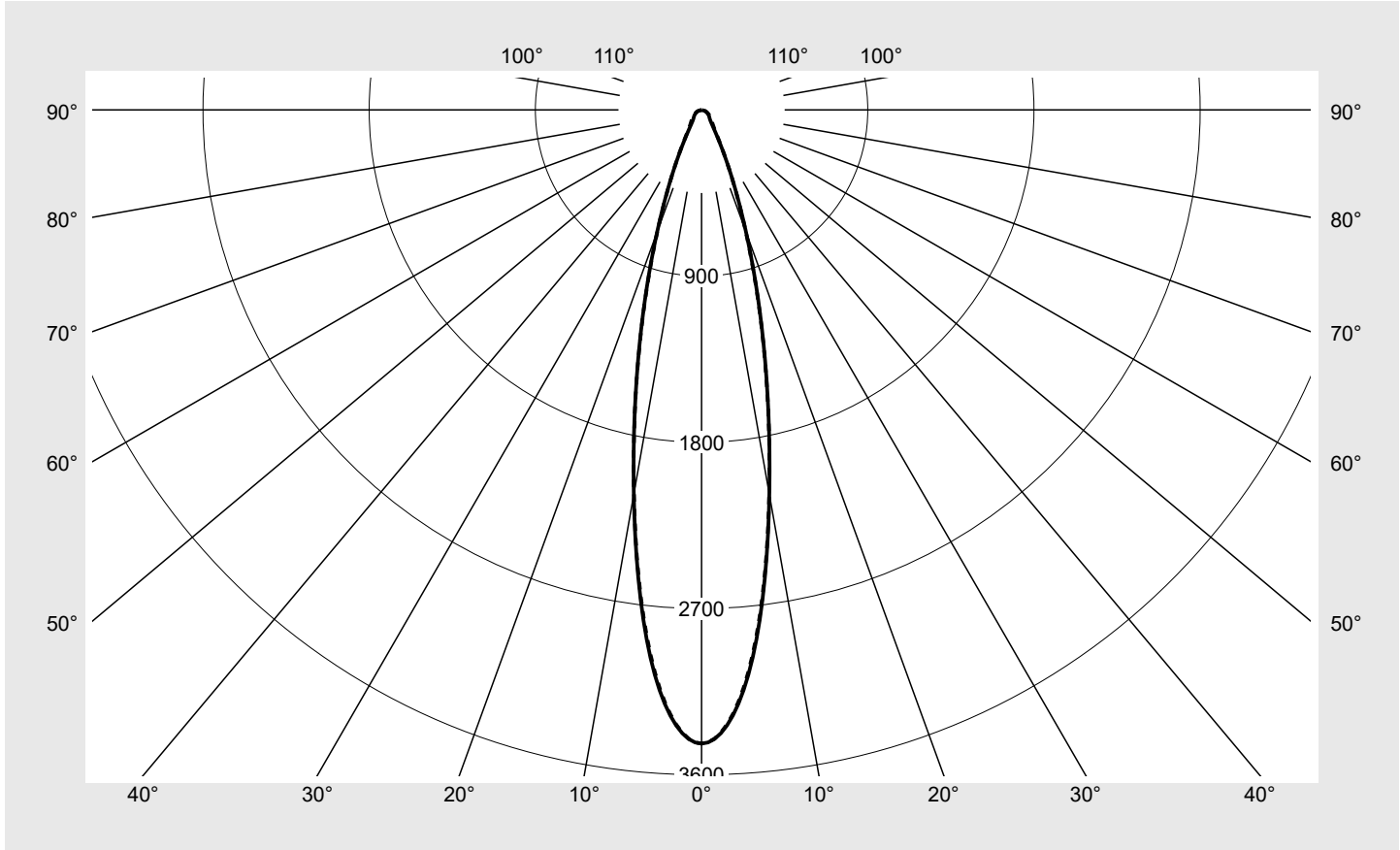


# Photometric test report

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TL11DN4AXS</b> <b>EAN: 4058352890547</b>	<b>LP number</b> <b>58784_246</b>
	<b>Version</b> cover frosted, narrow distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 10000 lm Power consumption = 54.7 W Luminous efficacy = 182.8 lm/W	<b>serial documentation</b> <b>03.08.2023</b>
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 3431 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=87 N2=95 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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**sitEco**

<b>Table of values for luminous intensities</b>	<b>Maximum luminous intensity</b>
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C-planes	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°			
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	20.5	20.5
5°	3030.0	3009.9	2995.2	3008.4	3015.8	3015.7	3017.5	143.9	164.4
10°	2113.5	2098.5	2092.1	2104.8	2111.9	2109.7	2109.2	200.3	364.7
15°	1287.2	1281.7	1283.9	1294.7	1294.7	1286.2	1283.2	182.7	547.4
20°	703.4	705.4	717.6	726.5	719.3	702.5	697.3	133.5	680.9
25°	354.0	358.8	370.9	376.0	367.5	355.6	354.0	84.3	765.2
30°	176.2	179.2	185.6	185.7	179.6	178.8	183.6	49.7	814.9
35°	102.4	102.6	103.9	102.5	99.6	107.7	116.7	32.8	847.7
40°	73.1	72.4	71.7	70.6	70.7	80.9	90.2	26.3	874.0
45°	60.7	58.7	57.0	56.9	57.9	66.7	75.5	23.6	897.6
50°	52.7	51.5	51.2	50.6	50.0	56.0	63.2	22.2	919.8
55°	44.8	43.4	45.4	45.0	43.0	46.3	51.7	20.3	940.1
60°	37.3	36.1	38.2	39.8	37.2	38.0	41.8	18.1	958.2
65°	29.8	28.9	31.0	34.0	31.7	30.7	33.0	15.5	973.8
70°	21.9	21.7	22.9	26.9	25.3	23.3	24.3	12.3	986.1
75°	12.2	12.7	14.5	18.5	17.7	15.7	16.0	8.2	994.3
80°	5.5	5.6	6.4	9.0	10.0	8.8	8.6	4.2	998.5
85°	2.2	2.1	2.4	3.2	3.5	3.4	3.0	1.6	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

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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	16.0	17.1	16.4	17.4	17.8	16.4	17.5	16.7	17.8	18.1
	3H	17.4	18.3	17.7	18.7	19.0	17.8	18.8	18.2	19.1	19.5
	4H	17.7	18.6	18.1	19.0	19.4	18.3	19.2	18.7	19.6	19.9
	6H	17.9	18.7	18.3	19.1	19.5	18.6	19.5	19.1	19.8	20.2
	8H	18.0	18.7	18.4	19.1	19.5	18.8	19.5	19.2	19.9	20.3
	12H	18.0	18.6	18.4	19.0	19.4	18.8	19.5	19.3	19.9	20.3
4H	2H	16.7	17.7	17.1	18.0	18.4	17.0	18.0	17.4	18.3	18.7
	3H	18.2	19.0	18.7	19.4	19.8	18.6	19.4	19.1	19.8	20.2
	4H	18.7	19.3	19.1	19.8	20.2	19.2	19.9	19.7	20.3	20.8
	6H	18.8	19.4	19.3	19.9	20.3	19.7	20.2	20.1	20.7	21.1
	8H	18.9	19.4	19.4	19.9	20.3	19.8	20.3	20.3	20.7	21.2
	12H	18.9	19.4	19.4	19.8	20.3	19.8	20.3	20.3	20.7	21.2
8H	4H	19.0	19.5	19.5	20.0	20.4	19.5	20.0	20.0	20.5	21.0
	6H	19.3	19.7	19.8	20.1	20.7	20.1	20.5	20.6	20.9	21.5
	8H	19.3	19.7	19.8	20.1	20.7	20.2	20.6	20.7	21.1	21.6
	12H	19.3	19.6	19.8	20.1	20.7	20.3	20.6	20.8	21.1	21.7
12H	4H	19.0	19.4	19.5	19.9	20.4	19.5	19.9	20.0	20.4	20.9
	6H	19.3	19.6	19.8	20.1	20.7	20.0	20.4	20.6	20.9	21.4
	8H	19.3	19.6	19.9	20.2	20.7	20.2	20.5	20.8	21.0	21.6

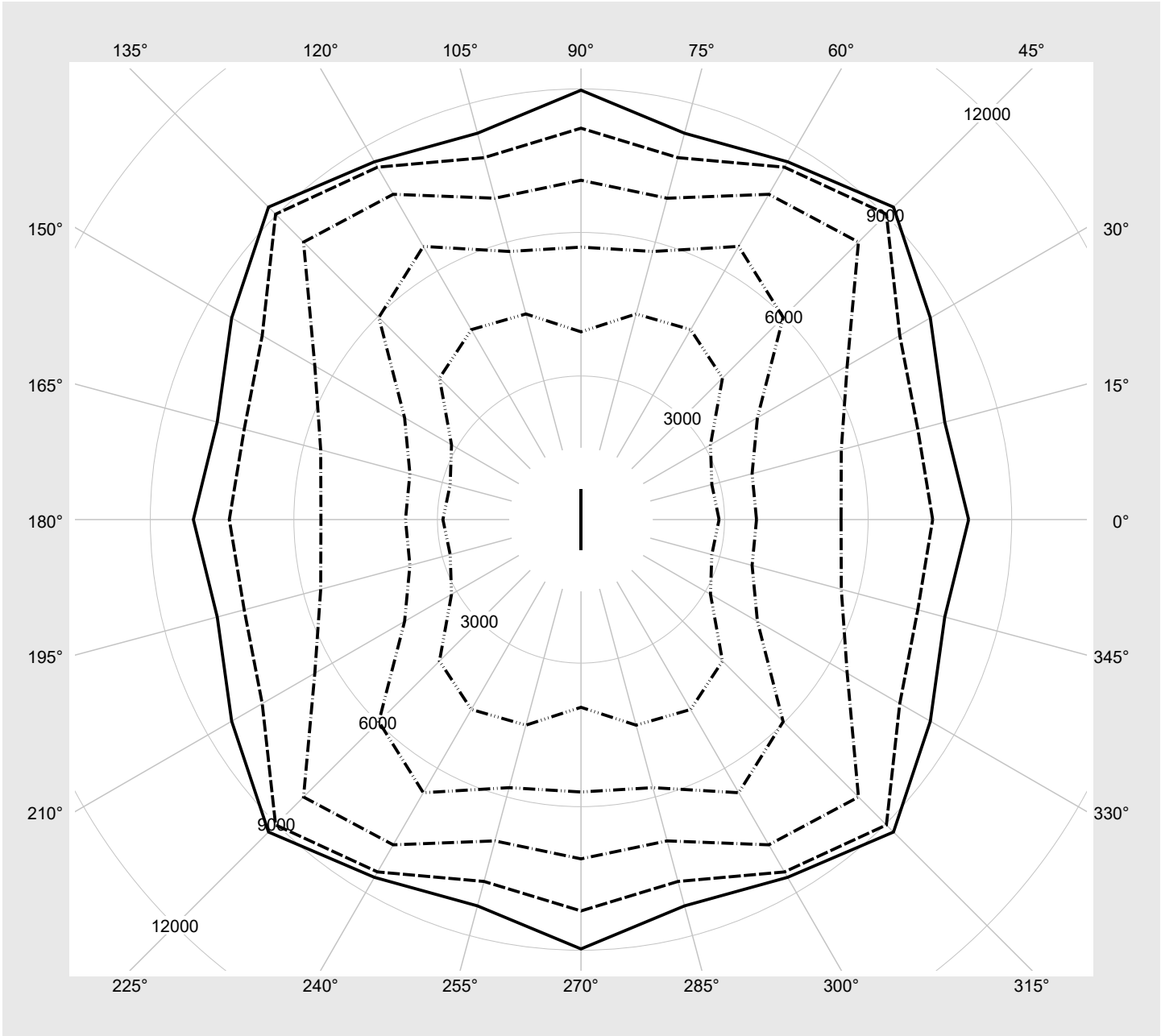
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1500</b> <b>B = 58</b>
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C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		9869.4	9545.6	9271.1	9246.4	9411.0	10838.2	12279.1	
50°		9432.0	9214.0	9163.7	9053.1	8935.2	10016.2	11303.9	
55°		8986.6	8705.4	9103.6	9021.8	8621.4	9286.4	10356.3	
60°		8574.0	8294.0	8773.8	9145.3	8559.5	8735.9	9618.2	
65°		8100.3	7869.4	8429.1	9235.0	8633.6	8358.4	8972.8	
70°		7349.2	7286.3	7692.0	9025.5	8503.2	7829.7	8178.9	
75°		5434.9	5631.2	6423.1	8199.9	7849.1	6952.4	7090.6	
80°		3667.7	3701.5	4256.9	5974.6	6591.5	5800.5	5693.2	
85°		2885.6	2830.2	3124.3	4182.0	4582.9	4448.4	3923.5	

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



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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	54.7
95	241	252	9511	52.0
90	227	250	8986	49.2
85	214	248	8493	46.5
80	201	245	7998	43.9
75	188	243	7496	41.1
70	175	240	6994	38.4
65	162	238	6490	35.7
60	149	234	5983	33.0
55	137	231	5508	30.6
50	124	228	4995	27.8
45	112	224	4519	25.3
40	99	219	4001	22.5
35	86	214	3480	19.7
30	74	209	2994	17.4
25	62	202	2509	15.3
20	49	194	1981	12.9
15	37	183	1492	10.2
10	25	169	998	6.6
8	20	161	792	4.8