

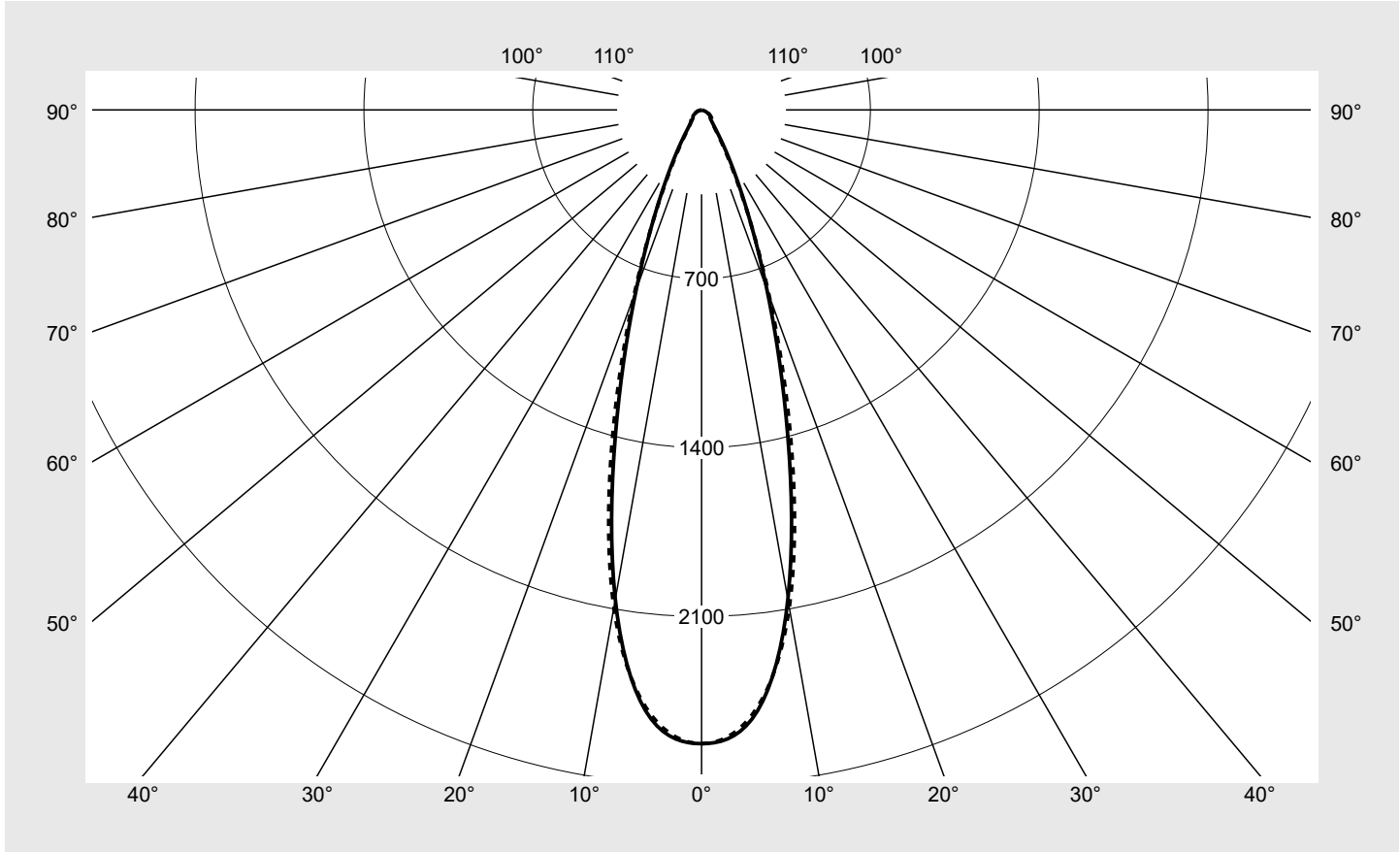


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL11DN4AXG</b> <b>EAN: 4058352926840</b>	<b>LP number</b> <b>58785_315</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 = 10080 lm Power consumption = 56.7 W Luminous efficacy = 177.8 lm/W	<b>serial documentation</b> <b>14.09.2023</b>
		

**Luminous intensity in cd/klm** C180-0 C270-90 I<sub>max</sub>: 2627 cd/klm



Classifications	
DIN 5040	A 7 0
CIE	N1=89 N2=96 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° 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°	2627.4	2627.4	2627.4	2627.4	2627.4	2627.4	2627.4	15.7	15.7
5°	2520.2	2503.8	2487.8	2499.1	2508.6	2505.8	2505.2	119.6	135.3
10°	2060.7	2047.7	2044.6	2066.8	2086.2	2092.0	2094.5	196.9	332.2
15°	1373.4	1369.0	1375.7	1399.2	1421.9	1432.7	1437.2	198.7	530.9
20°	791.8	790.8	796.4	808.8	818.0	819.0	819.4	151.2	682.1
25°	418.1	420.5	425.4	427.2	423.4	413.4	409.3	97.4	779.6
30°	215.7	218.7	224.8	222.9	213.7	202.3	197.8	58.9	838.4
35°	112.4	114.3	119.3	116.0	107.4	103.1	102.4	35.0	873.4
40°	70.3	69.7	69.6	67.8	65.2	68.3	71.3	24.2	897.6
45°	52.4	50.5	46.9	47.4	48.4	54.1	61.4	19.6	917.2
50°	46.4	44.6	38.1	38.0	38.3	44.7	54.3	17.8	935.0
55°	42.3	42.2	36.7	33.4	32.3	38.6	47.1	17.1	952.1
60°	32.7	32.9	34.3	30.2	28.0	32.6	38.2	15.3	967.4
65°	23.6	23.8	26.4	25.7	24.0	26.1	29.3	12.6	980.0
70°	15.1	15.6	18.2	19.4	18.6	19.5	20.9	9.4	989.4
75°	8.3	8.7	10.8	13.0	12.9	13.2	13.7	6.1	995.5
80°	4.0	4.1	5.0	6.6	7.3	7.2	7.2	3.2	998.7
85°	1.6	1.6	1.9	2.5	2.6	2.7	2.5	1.2	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	15.4	16.5	15.7	16.8	17.1	15.3	16.4	15.7	16.7	17.1
	3H	16.3	17.3	16.7	17.6	18.0	16.7	17.7	17.1	18.0	18.4
	4H	16.5	17.4	16.9	17.8	18.2	17.2	18.1	17.6	18.5	18.9
	6H	16.7	17.4	17.1	17.8	18.2	17.6	18.4	18.0	18.7	19.1
	8H	16.7	17.4	17.2	17.8	18.2	17.8	18.4	18.2	18.8	19.2
	12H	16.7	17.3	17.2	17.7	18.1	17.8	18.4	18.2	18.8	19.2
4H	2H	15.9	16.8	16.3	17.1	17.5	15.8	16.7	16.2	17.1	17.4
	3H	17.0	17.8	17.4	18.2	18.6	17.4	18.1	17.8	18.5	18.9
	4H	17.3	18.0	17.7	18.4	18.8	18.0	18.6	18.4	19.0	19.5
	6H	17.5	18.0	17.9	18.4	18.9	18.4	18.9	18.9	19.4	19.9
	8H	17.5	17.9	18.0	18.4	18.9	18.5	19.0	19.0	19.5	19.9
	12H	17.5	17.9	18.0	18.4	18.9	18.6	19.0	19.1	19.4	19.9
8H	4H	17.6	18.0	18.0	18.5	19.0	18.2	18.6	18.6	19.1	19.6
	6H	17.7	18.1	18.2	18.6	19.1	18.7	19.1	19.2	19.5	20.1
	8H	17.8	18.1	18.3	18.6	19.1	18.8	19.2	19.3	19.7	20.2
	12H	17.8	18.1	18.3	18.6	19.1	18.9	19.2	19.5	19.7	20.3
12H	4H	17.6	18.0	18.1	18.4	18.9	18.2	18.6	18.7	19.0	19.5
	6H	17.8	18.1	18.3	18.6	19.1	18.7	19.0	19.2	19.5	20.0
	8H	17.8	18.1	18.4	18.6	19.2	18.9	19.1	19.4	19.6	20.2

<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°		8592.2	8269.7	7682.6	7760.3	7924.6	8871.9	10059.8	
50°		8369.0	8041.8	6859.9	6856.0	6899.9	8063.3	9781.6	
55°		8551.4	8527.4	7412.8	6740.5	6532.3	7799.0	9505.3	
60°		7573.7	7620.0	7946.7	7001.5	6482.7	7542.9	8850.5	
65°		6457.9	6530.1	7237.4	7055.9	6583.2	7153.7	8020.1	
70°		5118.3	5275.1	6182.0	6558.4	6314.4	6607.1	7082.1	
75°		3729.0	3902.7	4832.0	5820.9	5783.7	5898.8	6126.2	
80°		2636.9	2730.9	3354.1	4395.0	4862.7	4781.3	4822.0	
85°		2150.9	2181.5	2545.7	3300.8	3488.3	3569.4	3271.6	

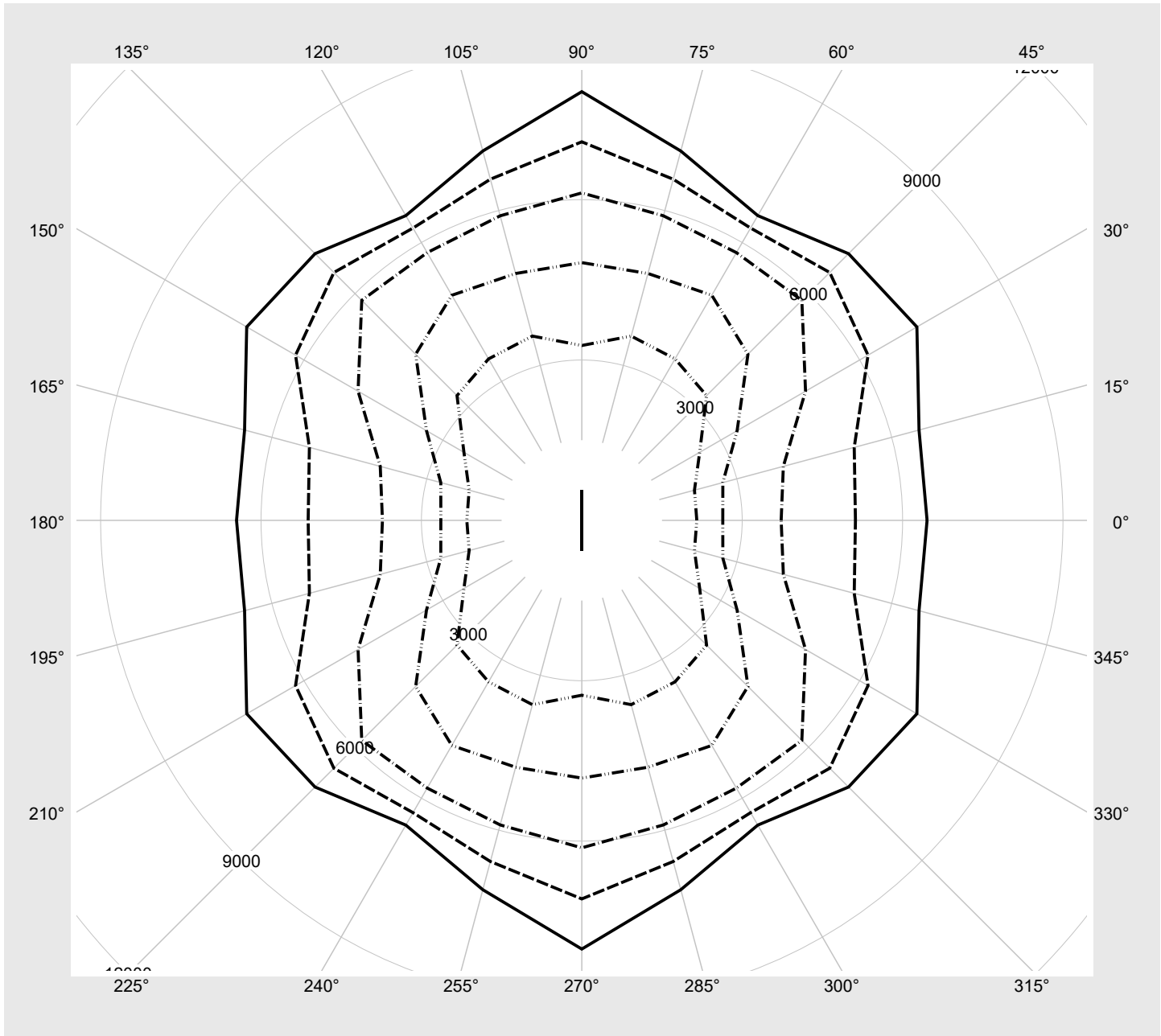
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**Luminance values in cd/m<sup>2</sup>**

$\gamma$  65°   
   $\gamma$  70°   
   $\gamma$  75°   
   $\gamma$  80°   
   $\gamma$  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	10080	56.7
95	240	252	9571	53.6
90	226	250	9054	50.4
85	213	248	8572	47.5
80	199	245	8048	44.4
75	186	243	7554	41.5
70	173	240	7060	38.5
65	160	237	6560	35.7
60	147	234	6054	32.8
55	134	231	5541	29.9
50	121	227	5026	27.2
45	109	223	4547	24.6
40	96	218	4020	21.9
35	84	213	3532	19.3
30	72	208	3040	16.9
25	60	201	2540	14.4
20	47	192	1998	11.6
15	35	181	1493	9.1
10	24	168	1026	6.8
5	12	142	509	4.4
2	4	102	164	2.8