

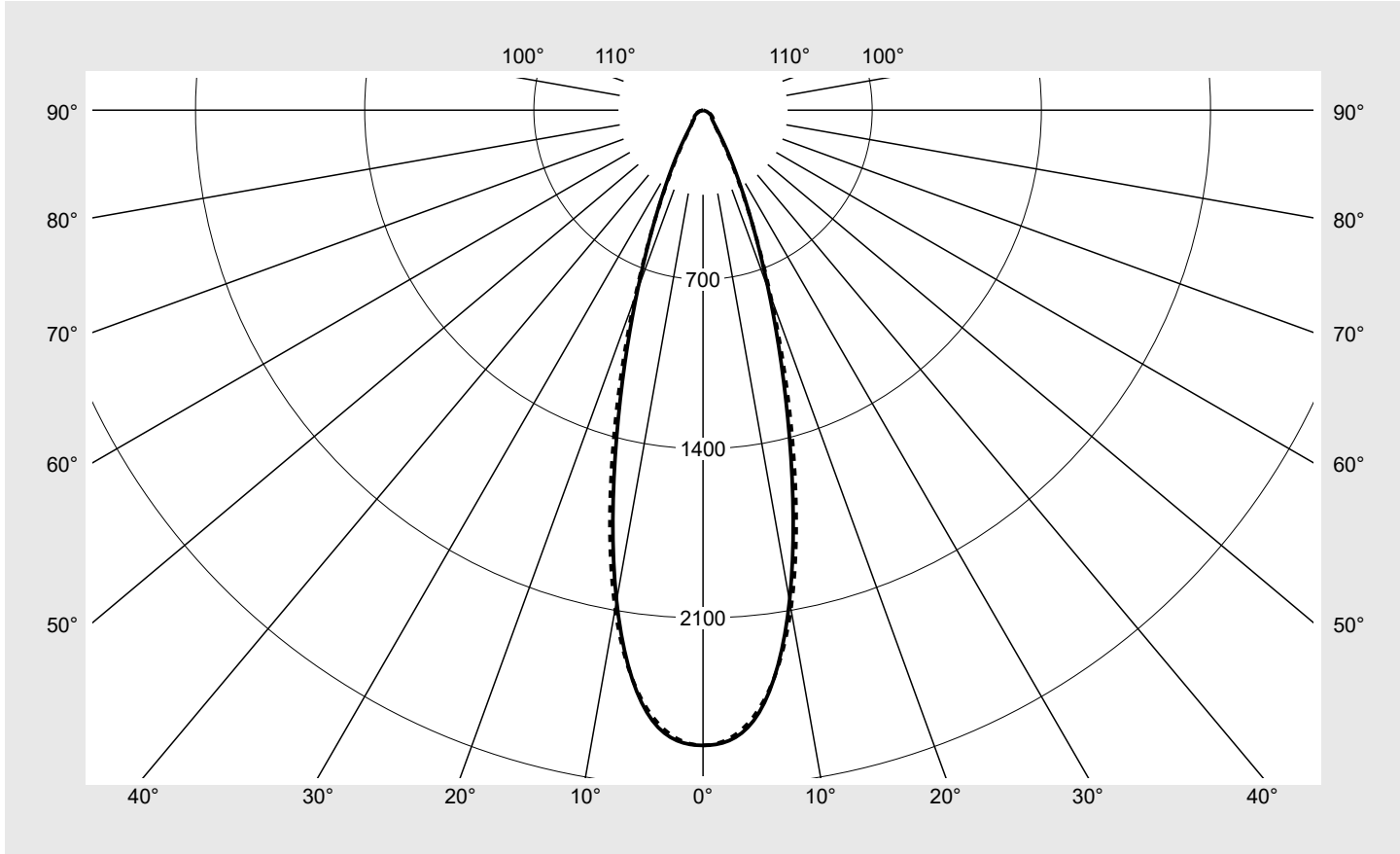


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL11DV4FXG</b> <b>EAN: 4058352925102</b>	<b>LP number</b> <b>58785_317</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 = 15120 lm Power consumption = 84.1 W Luminous efficacy = 179.8 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 = 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°		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	

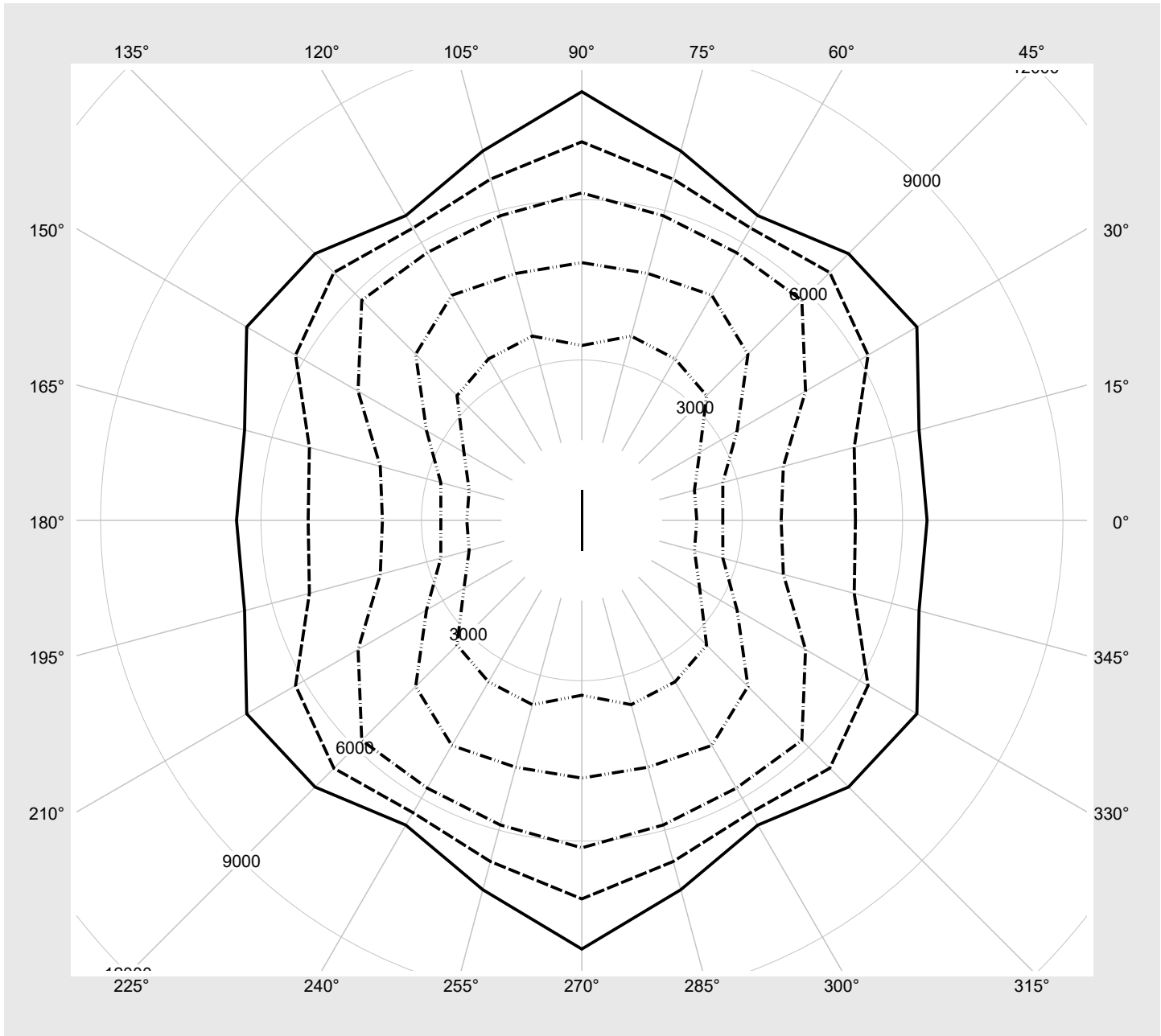
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**Luminance values in cd/m<sup>2</sup>**

$\gamma$  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	15120	84.1
95	240	252	14357	79.4
90	226	250	13582	74.7
85	213	248	12857	70.4
80	199	245	12072	65.7
75	186	243	11332	61.4
70	173	240	10590	57.0
65	160	237	9840	52.7
60	147	234	9082	48.5
55	134	231	8312	44.2
50	121	227	7539	40.0
45	109	223	6820	36.2
40	96	218	6030	32.1
35	84	213	5299	28.2
30	72	208	4560	24.5
25	59	201	3749	20.4
20	47	192	2998	16.4
15	35	181	2240	12.3
10	24	168	1539	8.5
5	12	142	764	4.2
2	4	102	246	1.3