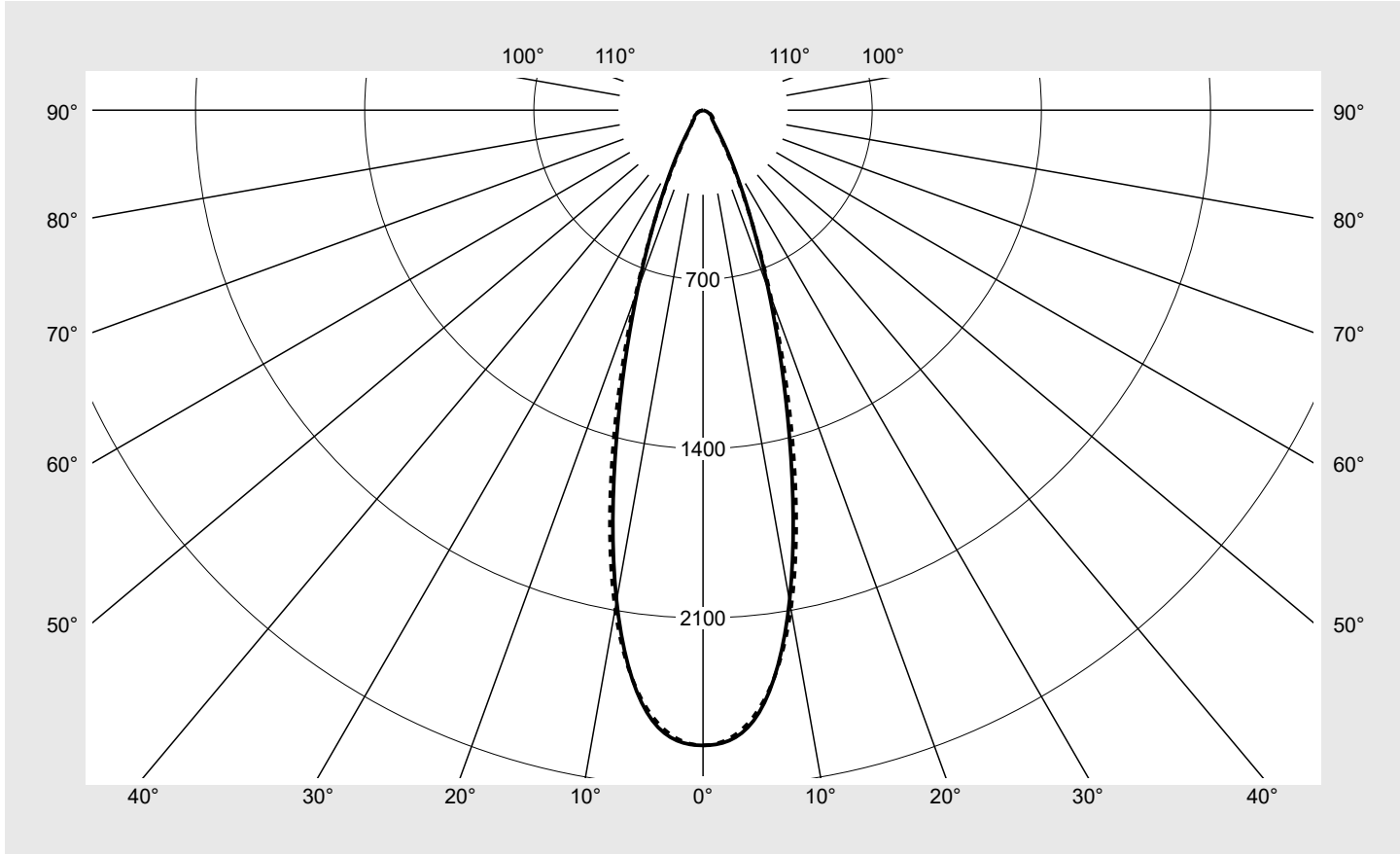


# Photometric test report

<b>Family</b> <b>Licross® Recessed</b>	<b>Order number: 51TL11DN49XF</b> <b>EAN: 4058352255322</b>	<b>LP number</b> <b>58785_13</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 = 9030 lm Power consumption = 55.4 W Luminous efficacy = 163 lm/W	<b>serial documentation</b> <b>15.11.2019</b>
		

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

<b>Table of values for luminous intensities</b>	<b>Maximum luminous intensity</b>
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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	15.0	16.1	15.4	16.4	16.7	14.9	16.0	15.3	16.4	16.7
	3H	15.9	16.9	16.3	17.2	17.6	16.3	17.3	16.7	17.6	18.0
	4H	16.2	17.0	16.6	17.4	17.8	16.9	17.7	17.3	18.1	18.5
	6H	16.3	17.0	16.7	17.4	17.8	17.2	18.0	17.6	18.4	18.8
	8H	16.4	17.0	16.8	17.4	17.8	17.4	18.0	17.8	18.4	18.8
	12H	16.4	16.9	16.8	17.3	17.8	17.4	18.0	17.8	18.4	18.8
4H	2H	15.5	16.4	15.9	16.8	17.1	15.4	16.3	15.8	16.7	17.1
	3H	16.6	17.4	17.1	17.8	18.2	17.0	17.7	17.4	18.1	18.5
	4H	16.9	17.6	17.4	18.0	18.4	17.6	18.3	18.0	18.7	19.1
	6H	17.1	17.6	17.5	18.0	18.5	18.0	18.6	18.5	19.0	19.5
	8H	17.1	17.6	17.6	18.0	18.5	18.1	18.6	18.6	19.1	19.6
	12H	17.1	17.5	17.6	18.0	18.5	18.2	18.6	18.7	19.1	19.6
8H	4H	17.2	17.7	17.7	18.1	18.6	17.8	18.3	18.3	18.7	19.2
	6H	17.3	17.7	17.8	18.2	18.7	18.3	18.7	18.8	19.2	19.7
	8H	17.4	17.7	17.9	18.2	18.7	18.4	18.8	18.9	19.3	19.8
	12H	17.4	17.7	17.9	18.2	18.7	18.5	18.8	19.1	19.3	19.9
12H	4H	17.2	17.6	17.7	18.1	18.6	17.8	18.2	18.3	18.6	19.1
	6H	17.4	17.7	17.9	18.2	18.7	18.3	18.6	18.8	19.1	19.6
	8H	17.4	17.7	18.0	18.2	18.8	18.5	18.7	19.0	19.2	19.8

<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°		7697.1	7408.3	6882.3	6951.9	7099.1	7947.7	9011.9	
50°		7497.2	7204.1	6145.4	6141.8	6181.2	7223.4	8762.7	
55°		7660.7	7639.1	6640.6	6038.4	5851.8	6986.6	8515.1	
60°		6784.7	6826.3	7119.0	6272.2	5807.4	6757.1	7928.5	
65°		5785.2	5849.8	6483.5	6320.9	5897.5	6408.6	7184.6	
70°		4585.1	4725.6	5538.0	5875.2	5656.7	5918.9	6344.4	
75°		3340.5	3496.1	4328.7	5214.5	5181.3	5284.3	5488.0	
80°		2362.2	2446.5	3004.7	3937.2	4356.2	4283.3	4319.7	
85°		1926.9	1954.3	2280.6	2957.0	3124.9	3197.5	2930.8	

**Photometric test report**

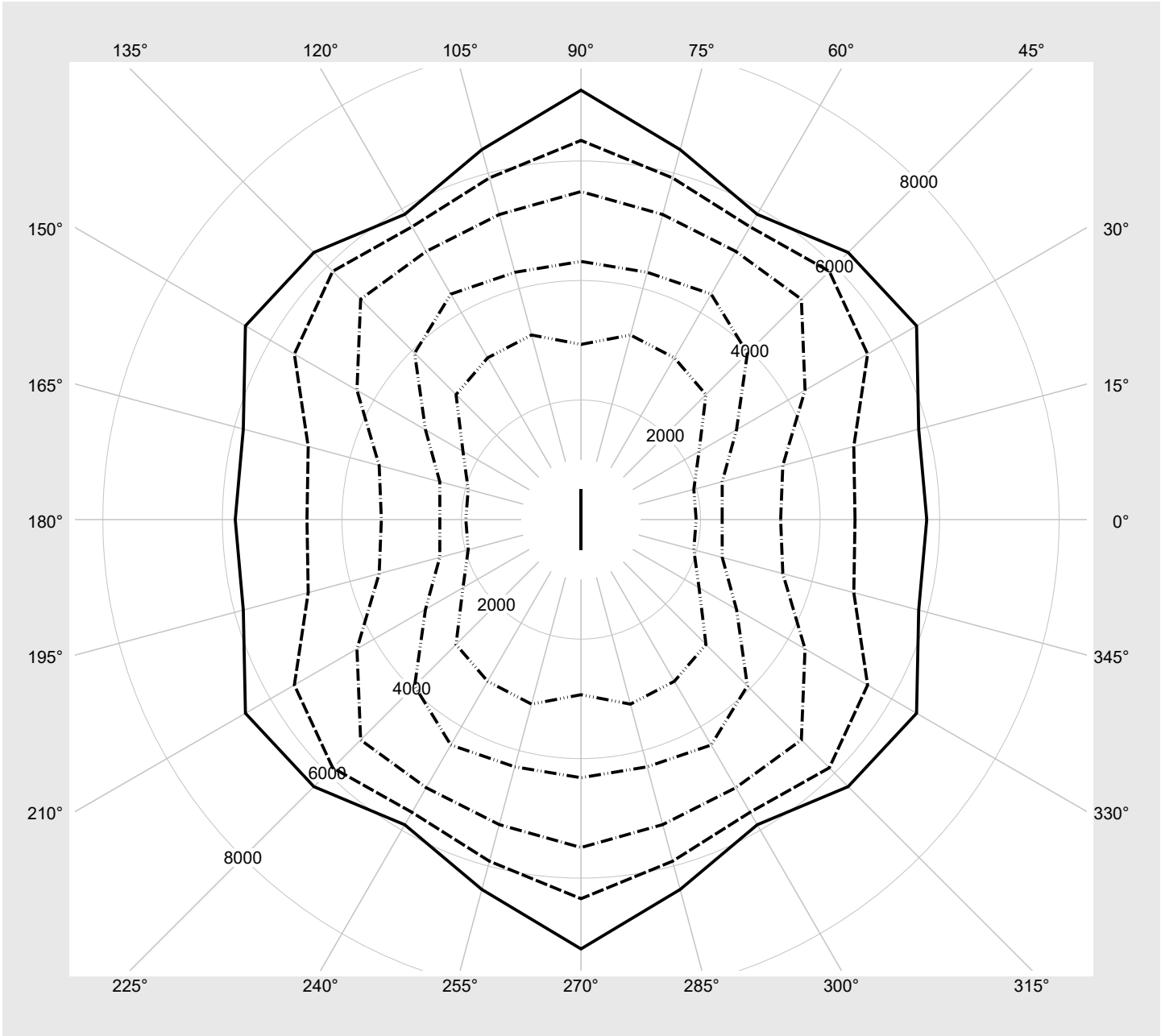
**Family**  
Licross® Recessed

**Order number: 51TL11DN49XF**  
**EAN: 4058352255322**

**LP number**  
**58785\_13**

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

$\gamma$  65°  
   $\gamma$  70°  
   $\gamma$  75°  
   $\gamma$  80°  
   $\gamma$  85°



## Photometric test report

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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	9030	55.4
95	240	252	8581	52.4
90	226	250	8130	49.3
85	212	248	7678	46.3
80	199	245	7226	43.5
75	185	243	6775	40.6
70	172	240	6323	37.8
65	159	237	5871	35.0
60	146	234	5420	32.2
55	133	231	4968	29.5
50	121	227	4517	26.9
45	108	223	4065	24.3
40	96	219	3613	21.8
35	83	214	3162	19.2
30	71	208	2710	16.6
25	59	201	2258	14.2
20	47	193	1807	11.7
15	35	182	1355	9.3
10	24	167	903	7.0
5	12	144	451	4.8