

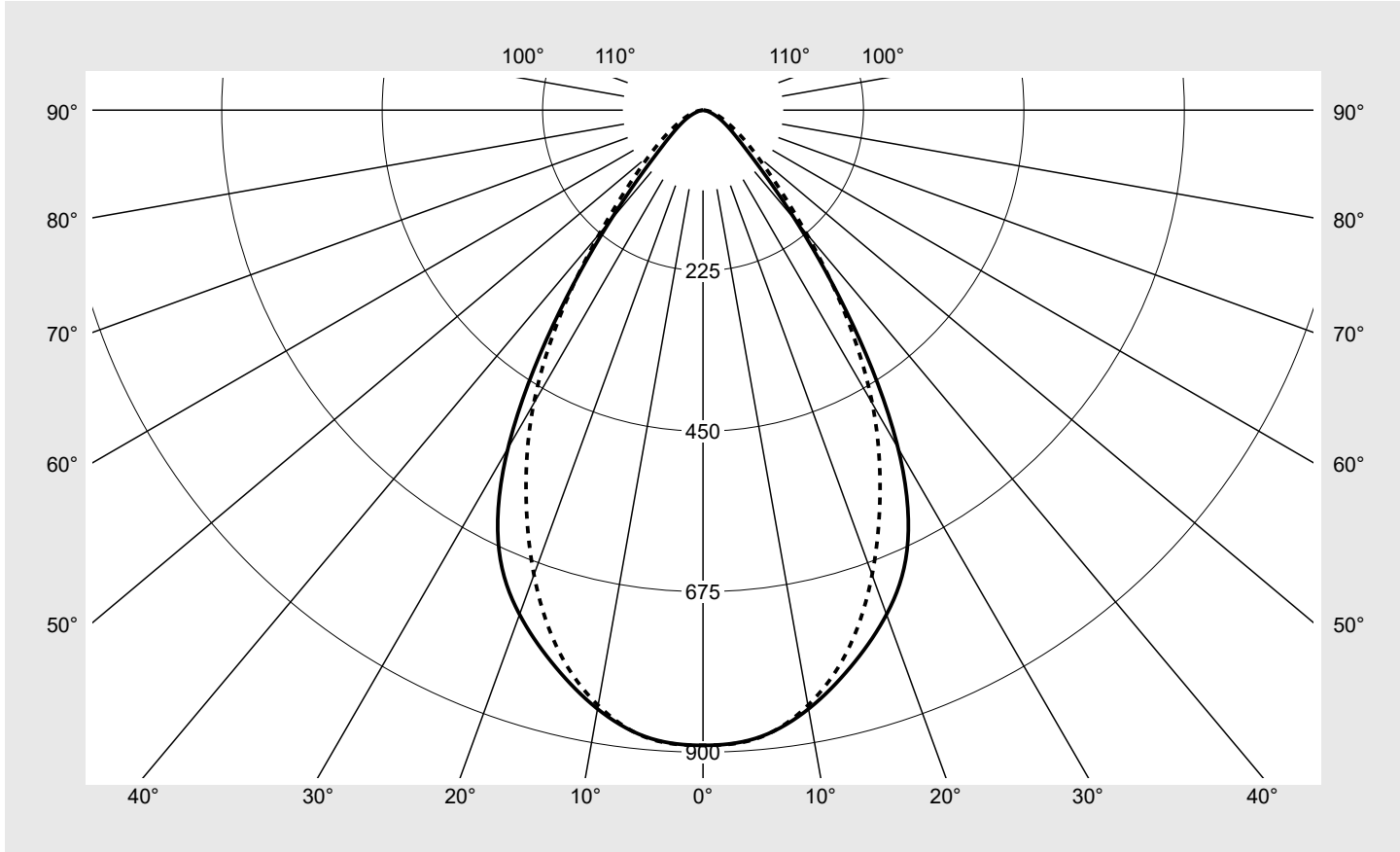


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL18DV4E5G</b> <b>EAN: 4058352925164</b>	<b>LP number</b> <b>58691_151</b>
	<b>Version</b> cover frosted, medium distribution, high visual comfort <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 14920 lm Power consumption = 84.1 W Luminous efficacy = 177.4 lm/W	<b>serial documentation</b> <b>19.09.2023</b>
		

**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 890 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=83 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°	890.5	890.5	890.5	890.5	890.5	890.5	890.5	5.3	5.3
5°	883.0	882.3	875.7	876.1	880.2	881.2	883.8	42.0	47.4
10°	852.3	852.7	846.0	846.4	847.1	846.1	847.2	80.7	128.1
15°	806.0	807.1	800.6	798.1	793.1	786.0	783.9	113.0	241.1
20°	752.4	753.8	745.8	735.1	719.0	700.4	693.3	136.8	377.8
25°	677.7	678.7	666.2	642.3	616.2	594.6	587.5	147.9	525.7
30°	547.1	547.0	530.5	500.0	481.5	475.9	474.8	139.1	664.9
35°	364.4	363.5	349.1	327.1	328.9	340.7	345.9	108.2	773.0
40°	203.2	202.2	193.4	185.6	201.9	218.9	225.4	71.4	844.5
45°	108.8	108.0	102.7	103.7	123.9	139.5	144.1	45.5	890.0
50°	66.7	66.1	62.8	66.6	83.9	94.8	97.2	31.9	921.9
55°	45.6	45.3	45.3	49.0	60.9	67.0	67.8	24.3	946.1
60°	31.9	31.8	34.1	38.0	45.2	47.1	47.1	18.6	964.8
65°	21.6	21.7	24.8	28.3	33.6	33.2	32.9	14.0	978.8
70°	13.4	13.7	16.2	19.9	24.5	23.3	22.8	9.9	988.7
75°	7.5	7.7	9.1	12.7	16.1	15.5	14.8	6.4	995.1
80°	4.0	4.1	4.6	6.4	8.9	8.9	8.1	3.5	998.6
85°	1.9	1.8	2.0	2.6	3.4	3.5	3.0	1.4	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	18.9	20.2	19.3	20.6	20.9	19.9	21.2	20.2	21.5	21.8
	3H	19.1	20.3	19.5	20.6	21.0	20.3	21.5	20.7	21.8	22.2
	4H	19.1	20.2	19.5	20.6	20.9	20.5	21.6	20.9	22.0	22.3
	6H	19.1	20.1	19.6	20.5	20.9	20.7	21.6	21.1	22.0	22.4
	8H	19.2	20.1	19.7	20.4	20.9	20.8	21.6	21.2	22.0	22.4
	12H	19.2	20.0	19.7	20.4	20.8	20.8	21.6	21.2	22.0	22.4
4H	2H	19.1	20.2	19.5	20.5	20.9	19.9	21.0	20.3	21.4	21.7
	3H	19.4	20.3	19.8	20.7	21.1	20.6	21.5	21.0	21.9	22.3
	4H	19.4	20.2	19.9	20.6	21.1	20.9	21.7	21.3	22.1	22.5
	6H	19.5	20.1	19.9	20.6	21.0	21.1	21.8	21.6	22.2	22.7
	8H	19.5	20.1	19.9	20.5	21.0	21.2	21.8	21.7	22.2	22.7
	12H	19.5	20.0	20.0	20.5	21.0	21.3	21.7	21.7	22.2	22.7
8H	4H	19.5	20.1	20.0	20.6	21.1	20.9	21.5	21.4	22.0	22.5
	6H	19.6	20.1	20.1	20.6	21.1	21.2	21.7	21.7	22.2	22.7
	8H	19.6	20.0	20.1	20.5	21.0	21.3	21.7	21.8	22.2	22.8
	12H	19.6	20.0	20.1	20.5	21.0	21.4	21.7	21.9	22.2	22.8
12H	4H	19.6	20.1	20.1	20.5	21.0	20.9	21.4	21.4	21.9	22.4
	6H	19.6	20.0	20.1	20.5	21.0	21.2	21.6	21.7	22.1	22.6
	8H	19.6	20.0	20.2	20.5	21.0	21.3	21.7	21.8	22.2	22.7

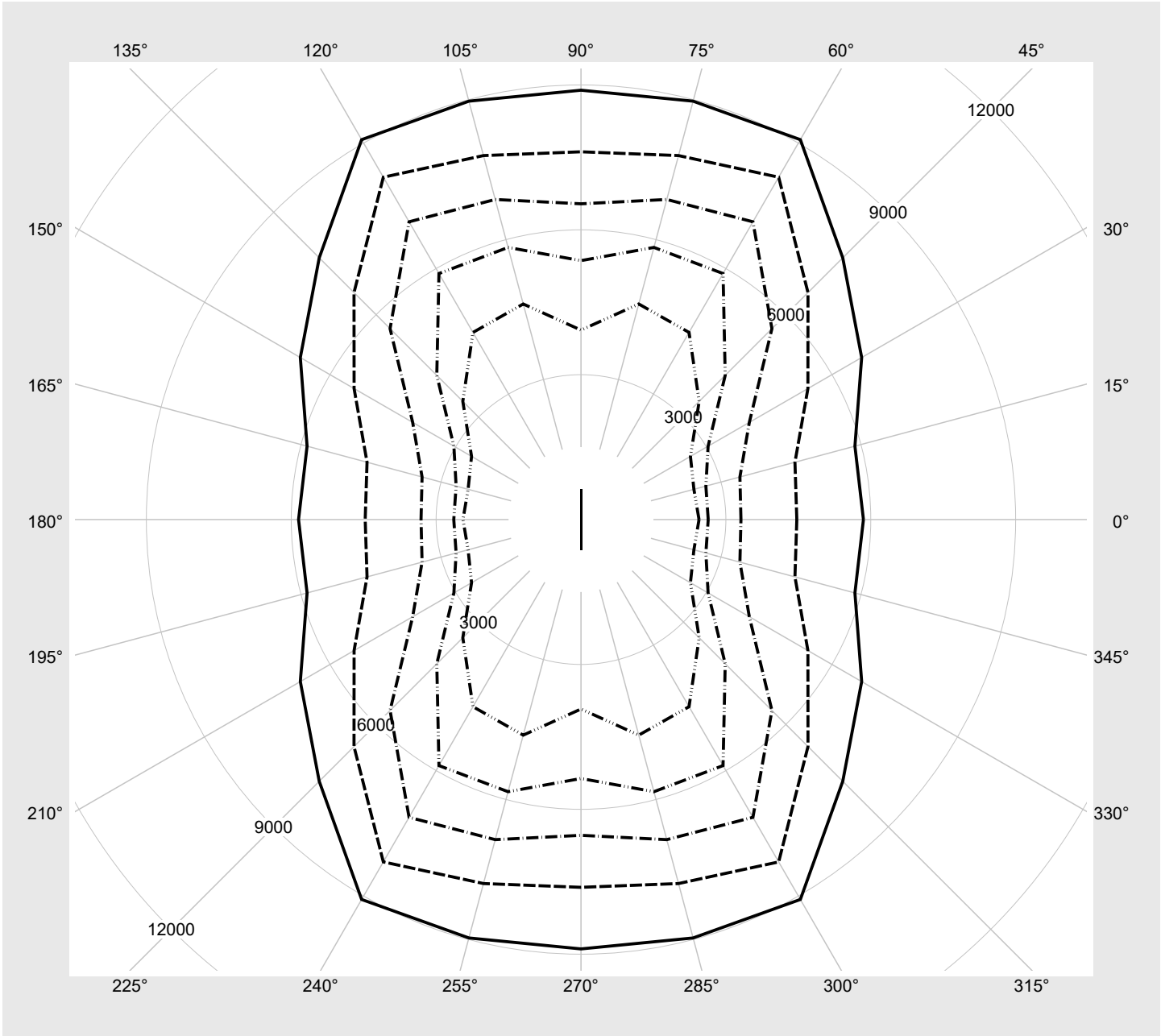
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 2250</b> <b>B = 58</b>
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C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		17595.4	17467.1	16597.9	16759.4	20037.1	22550.1	23305.5	
50°		11871.8	11756.9	11163.2	11850.4	14928.9	16861.3	17297.2	
55°		9086.7	9031.1	9036.1	9760.1	12130.3	13351.1	13512.8	
60°		7301.1	7265.0	7808.5	8696.6	10327.2	10768.5	10758.4	
65°		5848.2	5872.1	6710.7	7665.1	9084.0	8969.6	8890.9	
70°		4468.6	4586.6	5425.3	6647.1	8186.1	7803.0	7615.5	
75°		3312.1	3406.7	4024.7	5591.0	7119.9	6861.9	6538.6	
80°		2634.2	2677.0	3039.2	4223.0	5882.8	5834.1	5362.0	
85°		2443.9	2420.2	2617.0	3460.5	4474.5	4621.4	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	14920	84.1
95	240	252	14167	79.4
90	226	250	13402	74.7
85	213	248	12687	70.4
80	199	245	11912	65.7
75	186	243	11182	61.4
70	173	240	10450	57.0
65	160	237	9710	52.7
60	147	234	8962	48.5
55	134	231	8202	44.2
50	121	227	7439	40.0
45	109	223	6730	36.2
40	96	218	5950	32.1
35	84	213	5228	28.2
30	72	208	4500	24.5
25	59	201	3699	20.4
20	47	192	2958	16.4
15	35	181	2210	12.3
10	24	168	1518	8.5
5	12	142	753	4.2
2	4	102	243	1.3