
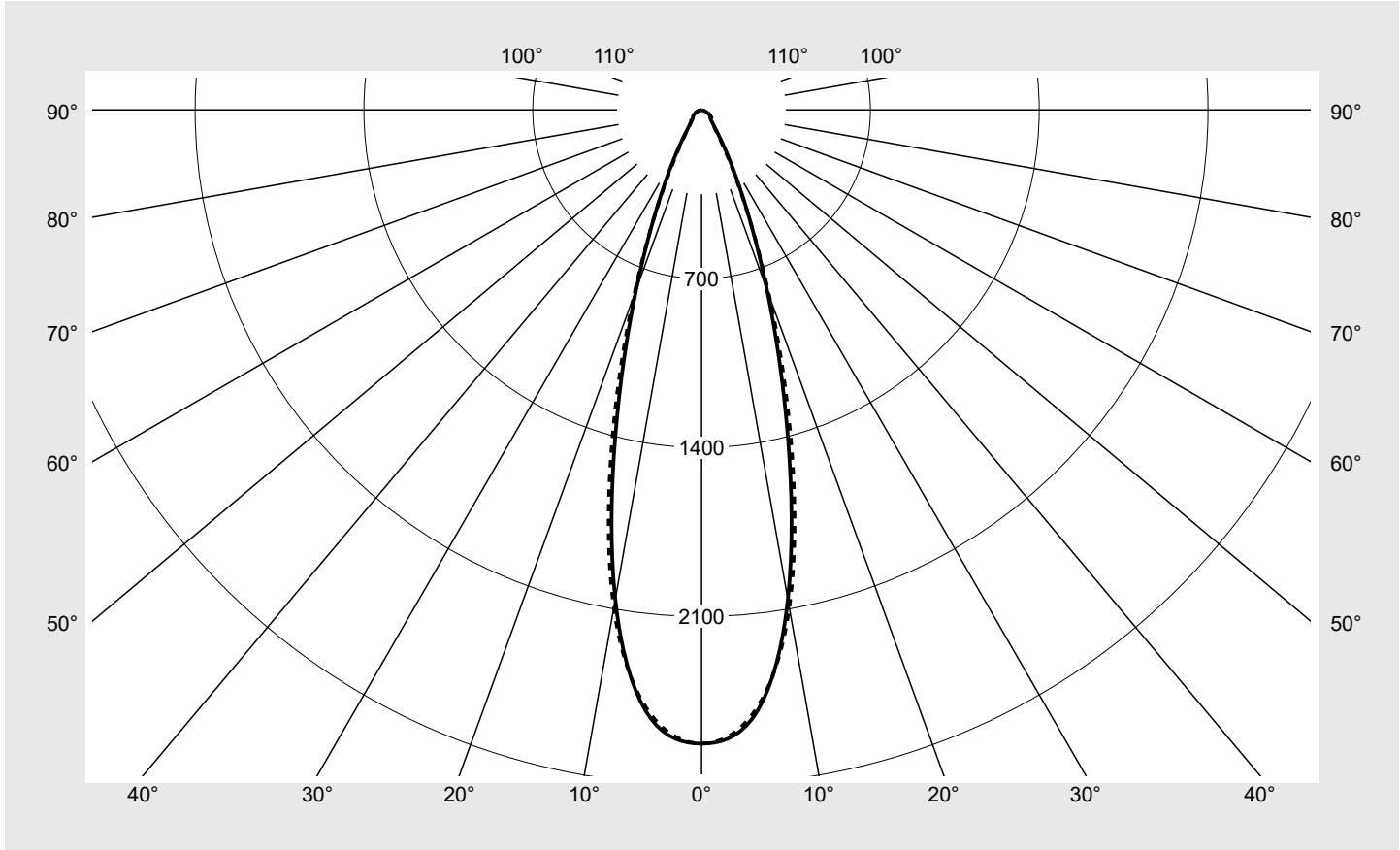


# Photometric test report

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TE11DV4FXG</b> <b>EAN: 4058352889428</b>	<b>LP number</b> <b>58785_262</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 = 15180 lm Power consumption = 85.3 W Luminous efficacy = 178 lm/W	<b>serial documentation</b> <b>02.08.2023</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	15.4	16.5	15.8	16.8	17.1	15.3	16.4	15.7	16.8	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	17.3	18.1	17.7	18.5	18.9
	6H	16.7	17.4	17.1	17.8	18.2	17.6	18.4	18.0	18.8	19.2
	8H	16.8	17.4	17.2	17.8	18.2	17.8	18.4	18.2	18.8	19.2
	12H	16.8	17.3	17.2	17.7	18.2	17.8	18.4	18.2	18.8	19.2
4H	2H	15.9	16.8	16.3	17.2	17.5	15.8	16.7	16.2	17.1	17.5
	3H	17.0	17.8	17.5	18.2	18.6	17.4	18.1	17.8	18.5	18.9
	4H	17.3	18.0	17.8	18.4	18.8	18.0	18.6	18.4	19.1	19.5
	6H	17.5	18.0	17.9	18.4	18.9	18.4	19.0	18.9	19.4	19.9
	8H	17.5	18.0	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	19.5	20.0
8H	4H	17.6	18.0	18.0	18.5	19.0	18.2	18.7	18.7	19.1	19.6
	6H	17.7	18.1	18.2	18.6	19.1	18.7	19.1	19.2	19.6	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	19.0	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>

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°		8626.3	8302.5	7713.1	7791.1	7956.1	8907.1	10099.7	
50°		8402.2	8073.7	6887.2	6883.2	6927.3	8095.3	9820.4	
55°		8585.4	8561.2	7442.2	6767.3	6558.2	7829.9	9543.0	
60°		7603.7	7650.3	7978.3	7029.3	6508.4	7572.8	8885.6	
65°		6483.6	6556.0	7266.1	7083.9	6609.4	7182.1	8051.9	
70°		5138.6	5296.1	6206.5	6584.4	6339.5	6633.4	7110.2	
75°		3743.8	3918.2	4851.2	5844.0	5806.7	5922.2	6150.5	
80°		2647.3	2741.8	3367.4	4412.4	4882.0	4800.3	4841.2	
85°		2159.5	2190.1	2555.8	3313.9	3502.1	3583.5	3284.6	

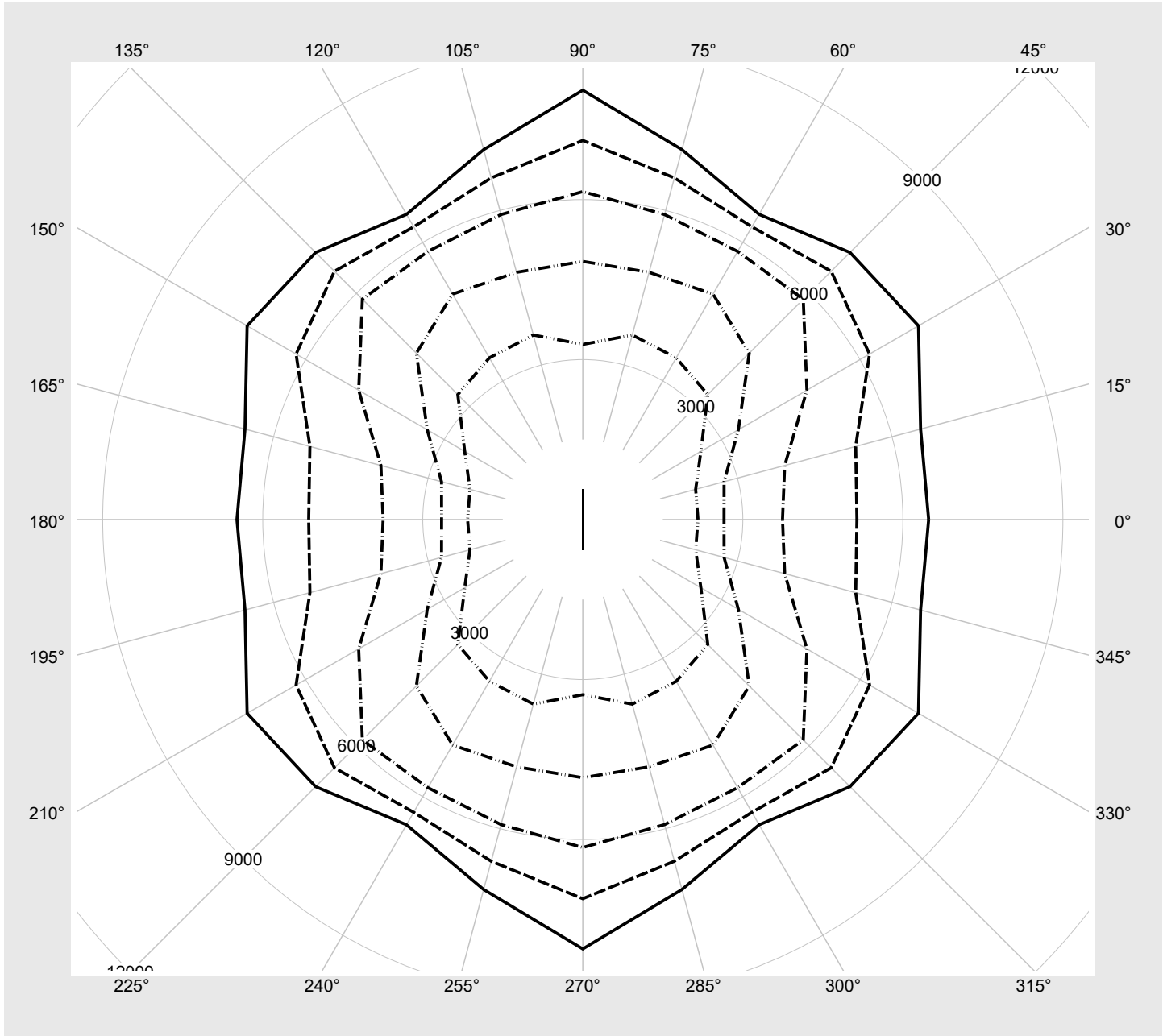
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**Luminance values in cd/m<sup>2</sup>**

$\gamma$  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	15180	85.3
95	240	252	14416	80.7
90	226	250	13643	76.1
85	213	248	12915	71.7
80	199	245	12124	67.0
75	186	243	11378	62.7
70	173	240	10629	58.3
65	160	237	9874	54.0
60	147	234	9111	49.7
55	134	231	8339	45.4
50	122	227	7618	41.4
45	109	223	6832	37.3
40	97	219	6102	33.4
35	84	213	5302	29.2
30	72	208	4556	25.3
25	60	201	3806	21.5
20	48	193	3050	17.4
15	36	182	2289	13.3
10	24	168	1523	9.0
5	12	142	752	4.4
2	4	102	232	1.4