

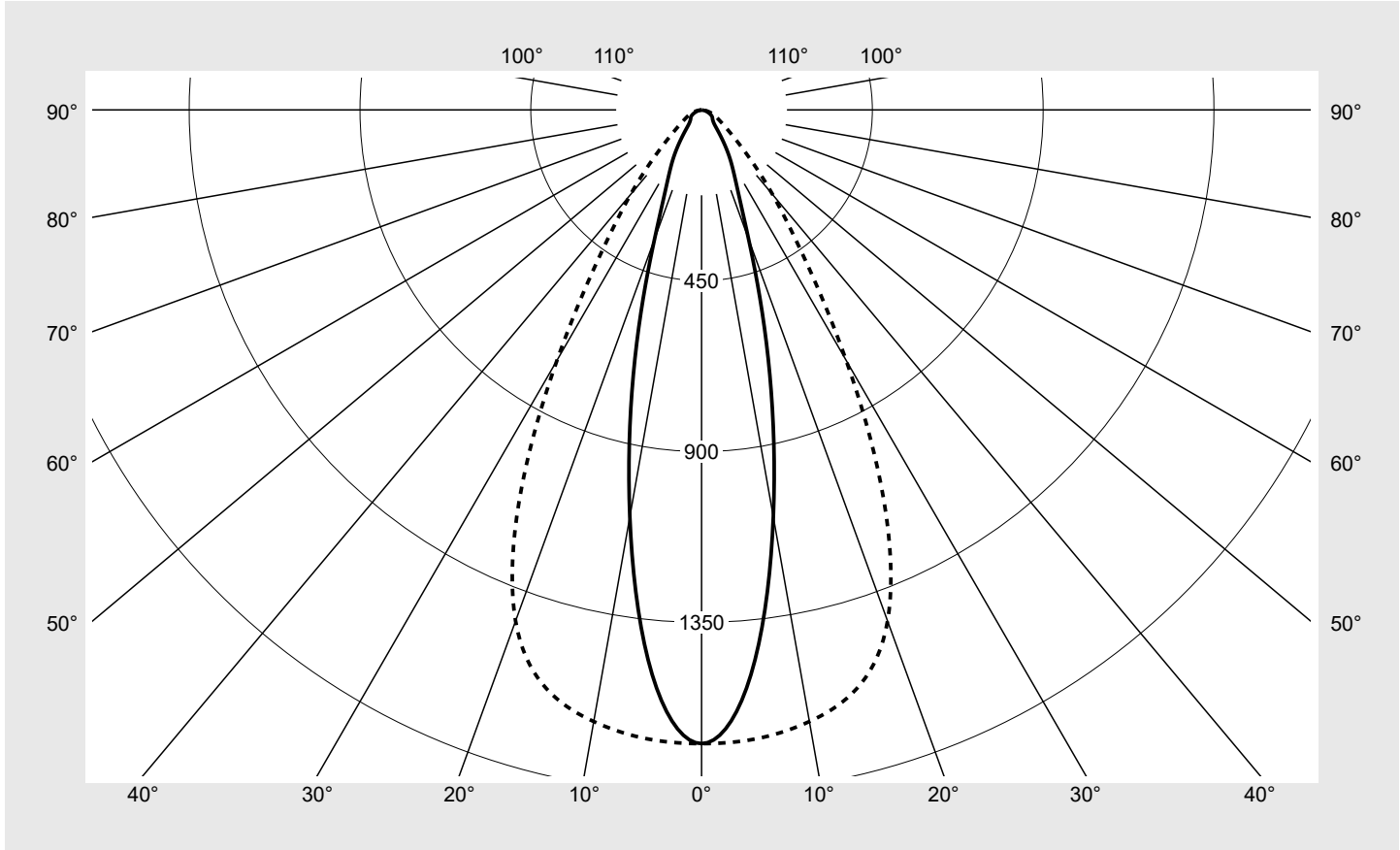


# Photometric test report

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TL1EDE47XS</b> <b>EAN: 4058352891735</b>	<b>LP number</b> <b>59263_72</b>
	<b>Version</b> cover frosted, elliptical narrow distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 7310 lm Power consumption = 44.1 W Luminous efficacy = 165.8 lm/W	<b>serial documentation</b> <b>02.08.2023</b>
		

**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 1670 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=85 N2=95 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°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
	180°	Luminous intensity in cd/klm							Luminous flux in lm/klm
0°	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	10.0	10.0
5°	1493.3	1495.6	1516.6	1565.9	1616.3	1649.8	1662.9	75.0	85.0
10°	1088.5	1106.7	1175.0	1303.4	1460.6	1586.1	1636.2	126.8	211.8
15°	678.3	712.7	825.0	1006.5	1239.9	1474.8	1578.7	151.0	362.9
20°	362.1	388.9	492.0	707.6	980.6	1275.8	1432.9	148.2	511.0
25°	217.8	231.1	285.8	436.7	705.9	972.9	1137.5	127.8	638.8
30°	151.3	158.5	185.3	264.1	455.8	646.3	761.7	99.0	737.8
35°	95.4	107.0	131.3	171.8	268.4	391.1	463.8	70.7	808.5
40°	57.7	64.5	93.9	120.6	157.9	239.7	291.4	50.0	858.5
45°	43.5	45.9	58.2	86.3	99.5	145.4	176.9	35.2	893.7
50°	37.7	39.0	42.8	61.0	68.3	89.3	109.1	26.2	919.9
55°	34.6	35.0	36.7	43.5	50.5	59.6	73.7	20.9	940.8
60°	30.2	31.1	32.8	34.2	38.6	42.0	53.5	17.5	958.3
65°	23.9	25.4	29.1	28.1	30.1	30.8	41.3	14.6	972.8
70°	17.0	18.4	22.5	23.3	23.4	22.7	30.8	11.5	984.3
75°	10.9	12.0	16.2	17.9	17.4	15.7	20.7	8.4	992.7
80°	6.2	6.7	9.0	10.7	11.0	9.3	11.6	5.0	997.7
85°	3.1	3.3	4.2	5.0	4.8	3.9	4.2	2.3	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	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	16.5	17.7	16.8	18.0	18.3	21.5	22.7	21.8	23.0	23.3
	3H	17.6	18.7	18.0	19.1	19.4	22.1	23.1	22.4	23.4	23.8
	4H	18.0	19.0	18.4	19.4	19.8	22.3	23.3	22.7	23.7	24.0
	6H	18.2	19.2	18.6	19.6	20.0	22.6	23.4	23.0	23.8	24.2
	8H	18.4	19.2	18.8	19.6	20.0	22.7	23.4	23.1	23.8	24.2
	12H	18.4	19.2	18.9	19.6	20.0	22.7	23.4	23.2	23.8	24.2
4H	2H	17.3	18.3	17.7	18.6	19.0	21.5	22.5	21.9	22.8	23.2
	3H	18.7	19.5	19.1	19.9	20.3	22.2	23.0	22.6	23.4	23.8
	4H	19.2	20.0	19.7	20.4	20.8	22.6	23.3	23.0	23.7	24.2
	6H	19.5	20.2	20.0	20.6	21.1	22.8	23.5	23.3	23.9	24.4
	8H	19.6	20.2	20.1	20.7	21.1	23.0	23.5	23.5	24.0	24.5
	12H	19.7	20.2	20.2	20.7	21.2	23.0	23.5	23.5	24.0	24.5
8H	4H	19.7	20.2	20.2	20.7	21.2	22.6	23.2	23.1	23.7	24.2
	6H	20.2	20.6	20.7	21.1	21.6	23.1	23.5	23.6	24.0	24.5
	8H	20.3	20.7	20.8	21.2	21.7	23.2	23.6	23.7	24.1	24.6
	12H	20.4	20.8	20.9	21.3	21.8	23.3	23.6	23.8	24.1	24.7
12H	4H	19.8	20.2	20.2	20.7	21.2	22.6	23.1	23.1	23.6	24.1
	6H	20.3	20.6	20.8	21.1	21.7	23.0	23.5	23.6	23.9	24.5
	8H	20.5	20.8	21.0	21.3	21.8	23.2	23.6	23.7	24.1	24.6

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 750</b> <b>B = 58</b>
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C-planes	$\gamma$	0° 180°	15°	30°	45°	60°	75°	90°	
			165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°	270°	
		Luminance in cd/m²							
45°		10335.3	10902.3	13820.0	20504.2	23654.5	34554.7	42050.3	
50°		9866.2	10190.7	11188.6	15956.6	17858.8	23353.8	28531.8	
55°		10125.9	10248.7	10758.2	12737.3	14800.4	17469.2	21598.1	
60°		10135.2	10468.3	11028.9	11503.4	12970.8	14109.5	17978.2	
65°		9514.5	10089.5	11577.8	11177.0	11980.6	12238.7	16427.7	
70°		8341.4	9022.4	11044.7	11458.9	11495.2	11137.1	15146.8	
75°		7049.2	7797.2	10514.4	11643.5	11307.2	10220.3	13432.9	
80°		5955.5	6440.3	8715.5	10313.2	10616.1	8988.4	11245.1	
85°		6025.3	6426.4	8177.1	9692.6	9285.8	7508.1	8046.0	

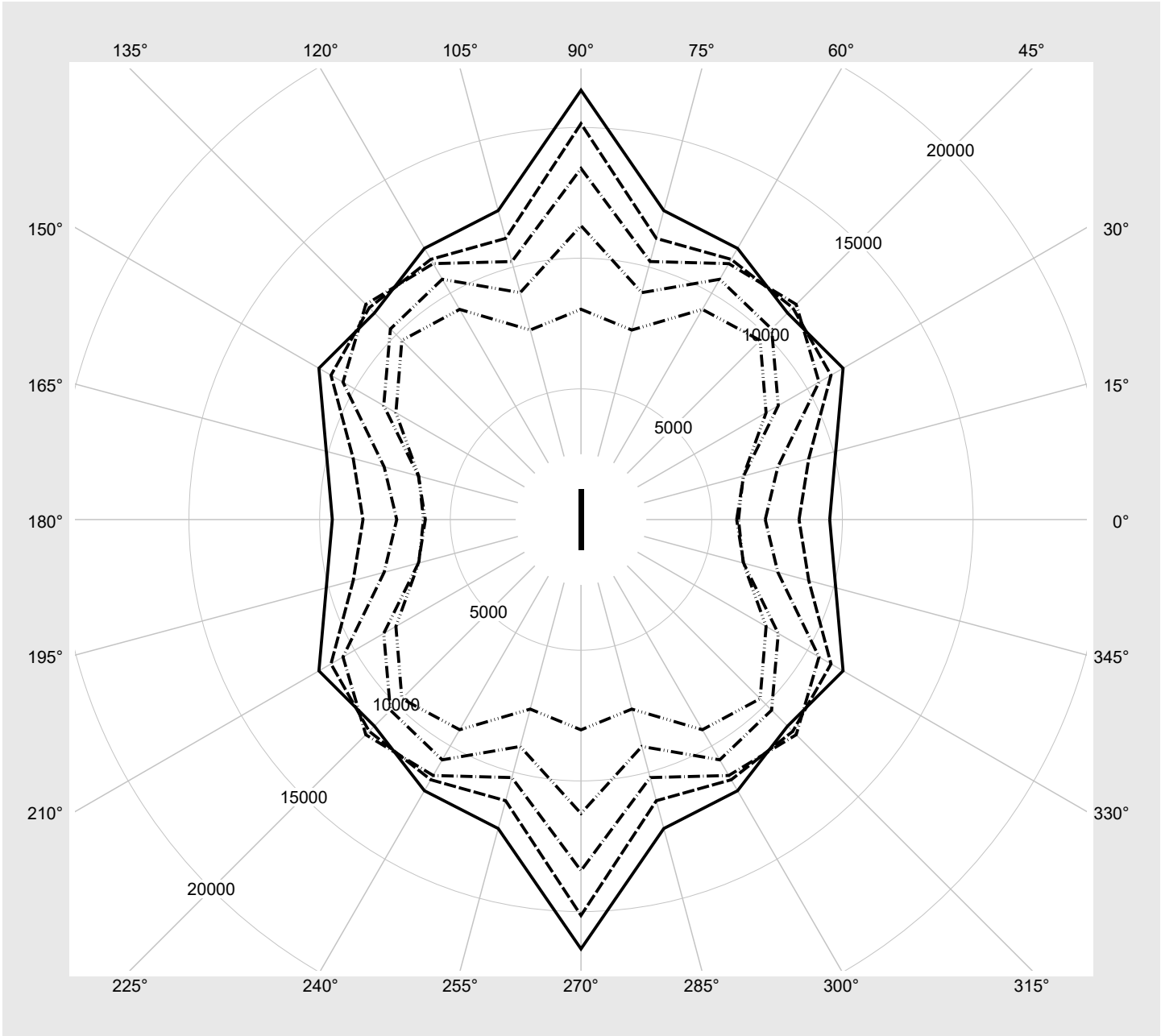
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**Luminance values in cd/m<sup>2</sup>**

$\gamma$  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	7310	44.1
95	240	252	6943	41.8
90	226	250	6571	39.4
85	213	248	6222	37.3
80	199	245	5843	34.9
75	186	243	5484	32.7
70	173	240	5123	30.5
65	160	237	4756	28.2
60	147	234	4389	26.0
55	134	231	4017	23.7
50	122	227	3669	21.5
45	109	223	3290	19.3
40	97	219	2937	17.6
35	84	213	2550	15.9
30	72	208	2191	14.2
25	60	201	1830	12.4
20	48	193	1465	10.3
15	36	182	1099	7.6
10	24	168	730	4.4
5	12	142	358	1.5
1	4	102	109	0.3