
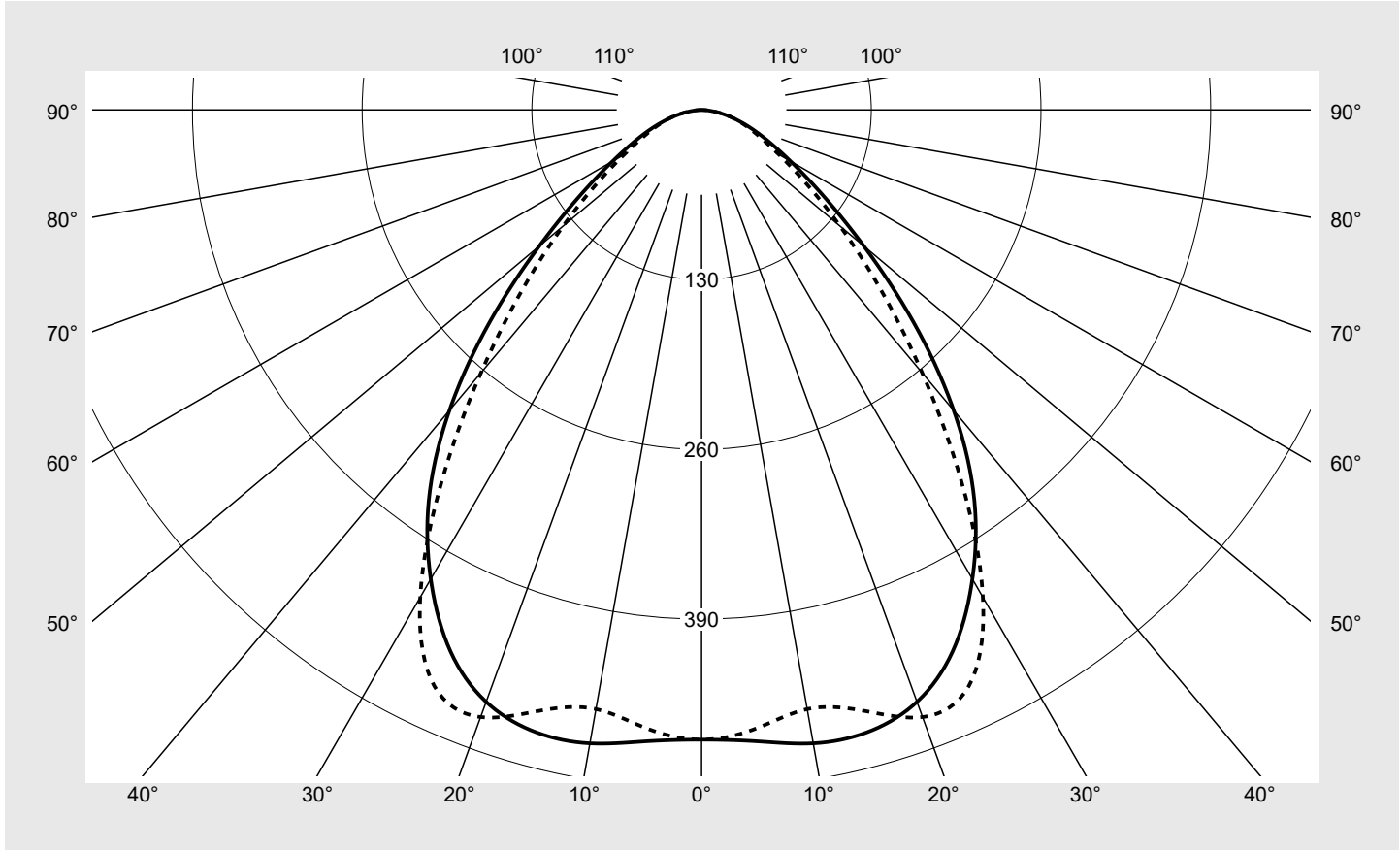


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL12DN49XF3C</b> <b>EAN: 4058352485224</b>	<b>LP number</b> <b>58637_52</b>
	<b>Version</b> cover frosted, wide distribution, high visual comfort <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Setting</b> AC-mode <b>Rated values</b> Net luminous flux = 9140 lm Power consumption = 59.2 W Luminous efficacy = 154.4 lm/W	<b>serial documentation</b> <b>04.05.2021</b>



**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 498 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=67 N2=92 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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Table of values for luminous intensities		Maximum luminous intensity
		<b>siteco</b>

C-planes $\gamma$	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°	482.3	482.3	482.3	482.3	482.3	482.3	482.3	2.9	2.9
5°	485.4	482.8	478.2	477.5	477.4	475.9	475.7	22.9	25.8
10°	492.7	488.2	477.9	471.3	467.6	465.9	466.0	45.2	71.0
15°	493.2	486.1	471.9	467.9	471.0	473.7	476.3	67.5	138.5
20°	482.5	473.5	462.5	471.9	487.1	492.8	494.9	89.9	228.4
25°	456.4	447.1	449.2	479.4	497.6	491.1	485.8	109.5	337.8
30°	414.9	406.8	427.0	475.1	479.0	447.1	431.1	121.4	459.2
35°	364.2	358.0	387.7	436.7	420.7	368.9	346.8	122.0	581.2
40°	300.5	296.3	322.5	357.9	336.0	284.8	262.9	110.4	691.6
45°	229.2	226.3	238.5	259.8	247.2	211.8	193.4	90.1	781.7
50°	162.3	159.3	161.6	173.6	174.5	155.2	138.5	68.2	849.9
55°	112.5	108.0	105.1	112.3	121.6	110.9	97.2	49.6	899.5
60°	78.7	73.1	68.3	73.1	83.7	77.4	68.5	35.5	935.0
65°	56.0	50.2	45.0	48.4	56.8	54.5	49.6	25.5	960.5
70°	39.5	34.5	29.5	32.1	37.8	38.5	36.6	18.1	978.6
75°	26.0	22.0	18.4	20.2	23.9	25.9	25.8	12.0	990.6
80°	14.9	12.2	9.9	10.8	13.0	14.8	15.3	6.8	997.4
85°	5.4	4.3	3.6	4.0	4.7	5.6	5.8	2.5	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	22.3	23.8	22.7	24.1	24.4	22.4	23.9	22.8	24.2	24.5
	3H	22.8	24.2	23.2	24.5	24.8	23.0	24.3	23.3	24.6	25.0
	4H	23.1	24.3	23.5	24.6	25.0	23.2	24.4	23.6	24.8	25.2
	6H	23.2	24.4	23.6	24.7	25.1	23.4	24.5	23.8	24.9	25.3
	8H	23.3	24.4	23.8	24.7	25.1	23.5	24.5	23.9	24.9	25.3
	12H	23.4	24.3	23.8	24.7	25.1	23.5	24.5	24.0	24.9	25.3
4H	2H	22.5	23.8	22.9	24.1	24.5	22.6	23.9	23.0	24.2	24.6
	3H	23.1	24.2	23.6	24.6	25.0	23.3	24.4	23.8	24.8	25.2
	4H	23.4	24.3	23.9	24.7	25.2	23.7	24.6	24.1	25.0	25.4
	6H	23.6	24.4	24.1	24.9	25.3	24.0	24.7	24.4	25.2	25.6
	8H	23.7	24.4	24.2	24.9	25.4	24.1	24.8	24.5	25.2	25.7
	12H	23.8	24.4	24.3	24.9	25.4	24.1	24.7	24.6	25.2	25.7
8H	4H	23.5	24.2	24.0	24.6	25.1	23.7	24.4	24.2	24.9	25.4
	6H	23.8	24.3	24.2	24.8	25.3	24.1	24.7	24.6	25.1	25.6
	8H	23.8	24.4	24.3	24.8	25.4	24.2	24.7	24.7	25.2	25.7
	12H	23.9	24.3	24.4	24.8	25.4	24.3	24.7	24.8	25.2	25.8
12H	4H	23.5	24.1	24.0	24.6	25.1	23.7	24.4	24.2	24.8	25.3
	6H	23.8	24.3	24.3	24.8	25.3	24.1	24.6	24.6	25.1	25.6
	8H	23.9	24.3	24.4	24.8	25.3	24.2	24.6	24.7	25.1	25.7

<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>

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°		34046.1	33623.0	35436.0	38597.5	36722.2	31473.9	28727.2	
50°		26526.5	26042.6	26412.3	28379.5	28525.6	25371.7	22637.8	
55°		20602.4	19778.9	19252.2	20577.0	22280.2	20321.1	17799.5	
60°		16538.1	15368.0	14355.9	15366.3	17577.2	16255.8	14382.4	
65°		13929.3	12468.9	11193.6	12040.6	14121.7	13547.8	12339.9	
70°		12128.8	10591.7	9066.7	9859.2	11605.7	11831.2	11252.2	
75°		10539.5	8939.8	7482.2	8197.4	9688.3	10523.6	10466.8	
80°		8991.5	7367.7	5977.4	6544.9	7837.2	8979.4	9268.6	
85°		6448.9	5217.0	4322.6	4803.5	5685.9	6708.0	6987.7	

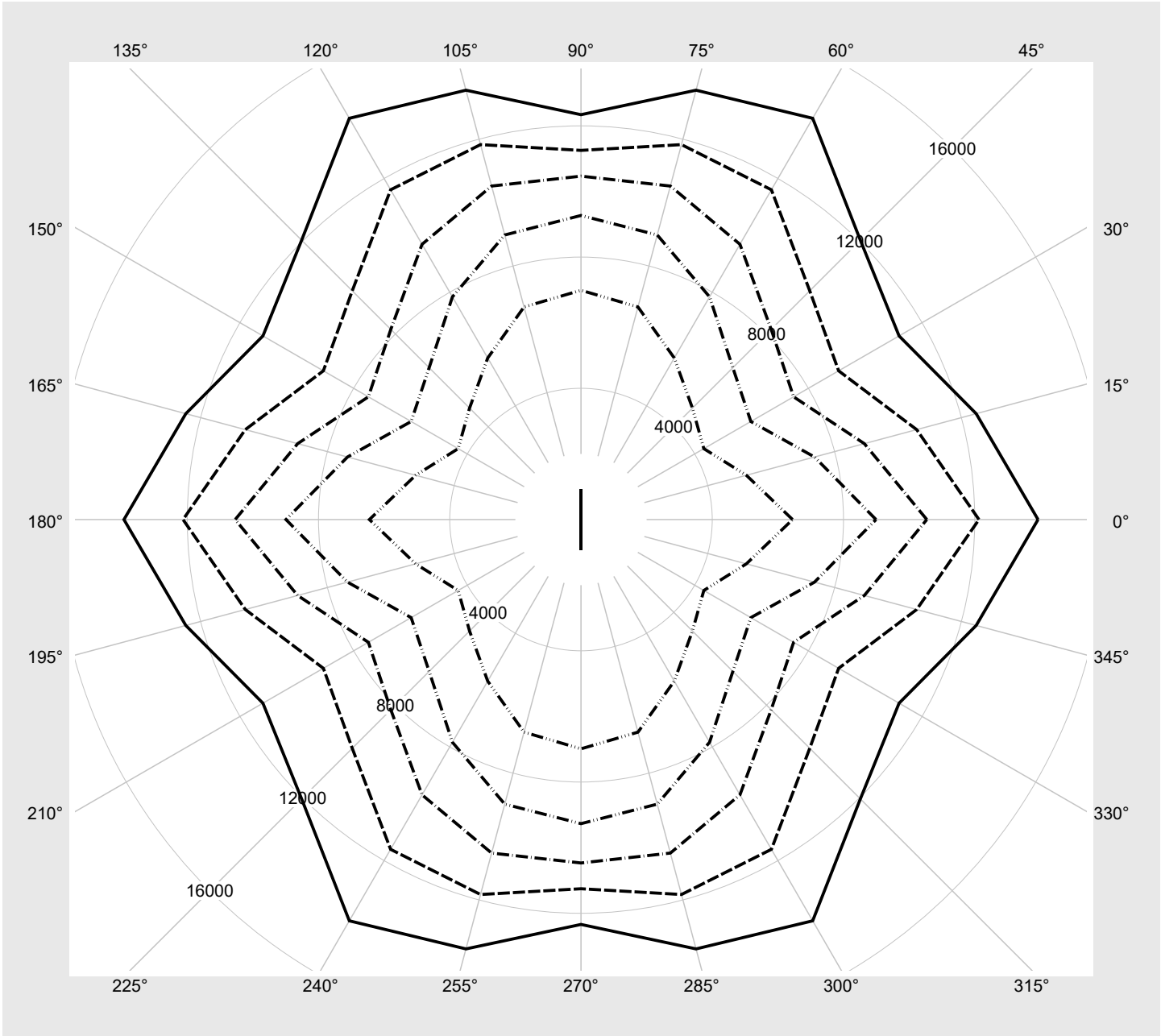
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**Luminance values in cd/m<sup>2</sup>**

$\gamma$ 65°	$\gamma$ 70°	$\gamma$ 75°	$\gamma$ 80°	$\gamma$ 85°
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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	9140	59.2
95	240	252	8685	56.2
90	226	250	8225	53.1
85	212	247	7756	50.0
80	199	245	7319	47.3
75	185	242	6838	44.2
70	173	240	6398	41.5
65	160	237	5944	38.8
60	147	234	5488	36.1
55	134	231	5024	33.3
50	121	227	4561	30.6
45	109	223	4123	28.1
40	96	218	3647	25.5
35	84	213	3202	23.0
30	72	208	2754	20.5
25	60	201	2301	18.1
20	48	193	1842	15.6
15	36	182	1382	13.3
10	24	168	916	10.8
5	12	142	448	8.4
2	5	110	178	6.9