
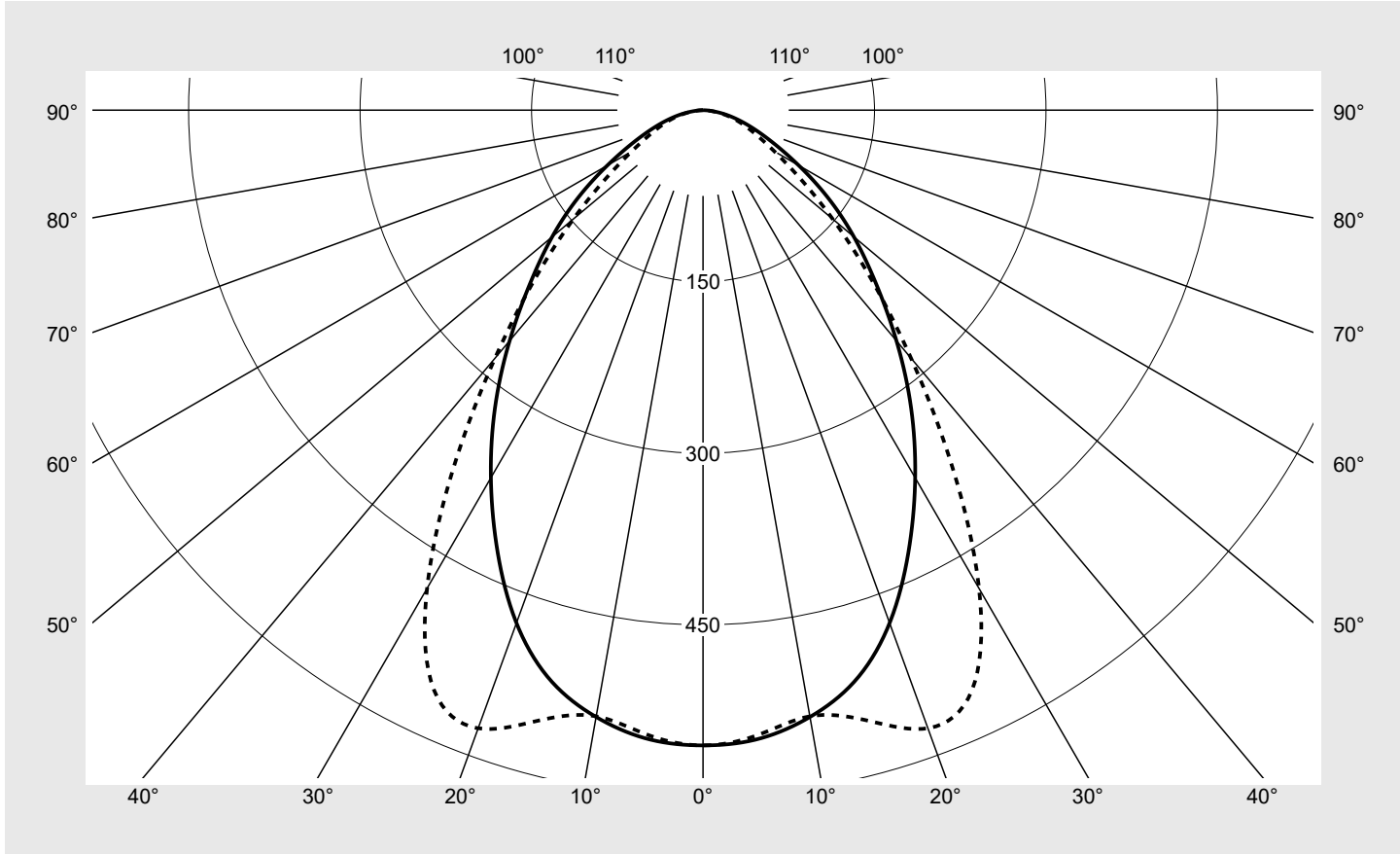


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL12DNEC5M</b> <b>EAN: 4058352013243</b>	<b>LP number</b> <b>58689_178</b>
	<b>Version</b> cover frosted, wide distribution, high visual comfort <b>Lamps</b> LED 5000 K   CRI ≥ 90 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 12970 lm Power consumption = 77.0 W Luminous efficacy = 168.4 lm/W	<b>serial documentation</b> <b>06.03.2024</b>



**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 575 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=66 N2=91 N3=98 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°	555.4	555.4	555.4	555.4	555.4	555.4	555.4	3.3	3.3
5°	551.9	549.3	545.0	546.0	548.1	548.0	548.5	26.2	29.5
10°	538.7	535.0	528.7	529.1	532.7	535.9	538.2	50.8	80.3
15°	515.9	510.9	504.6	513.1	530.5	544.7	552.3	74.2	154.5
20°	477.2	471.4	470.1	497.6	537.0	563.7	575.1	95.8	250.2
25°	425.5	419.5	426.9	469.4	521.2	548.6	558.0	111.1	361.3
30°	371.2	364.3	378.4	421.3	459.9	477.2	482.9	115.5	476.8
35°	317.2	309.8	328.6	357.7	367.8	374.7	379.7	109.4	586.2
40°	263.2	255.5	280.4	291.4	277.2	277.7	283.1	97.2	683.4
45°	213.7	204.0	230.1	230.5	202.8	200.2	207.0	82.5	765.9
50°	172.3	160.2	177.2	176.6	149.6	143.3	148.0	67.7	833.6
55°	133.3	121.6	126.4	129.1	111.8	101.0	103.0	53.0	886.6
60°	96.7	87.9	85.2	90.2	83.1	71.0	72.1	39.7	926.3
65°	67.7	61.0	56.3	61.1	60.5	50.8	52.1	29.0	955.3
70°	46.9	41.7	36.5	40.2	42.1	36.4	38.1	20.6	975.8
75°	30.9	26.7	22.6	25.0	27.1	24.7	26.6	13.7	989.5
80°	17.8	14.8	12.0	13.1	14.7	14.1	15.6	7.7	997.1
85°	6.6	5.4	4.4	4.8	5.3	5.4	5.9	2.9	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	23.8	25.3	24.1	25.6	25.9	23.2	24.7	23.6	25.0	25.4
	3H	24.5	25.8	24.9	26.2	26.5	23.8	25.2	24.2	25.5	25.8
	4H	24.8	26.0	25.2	26.4	26.8	24.1	25.3	24.5	25.7	26.1
	6H	25.0	26.2	25.4	26.5	26.9	24.3	25.4	24.7	25.8	26.2
	8H	25.2	26.2	25.6	26.6	27.0	24.4	25.5	24.9	25.8	26.2
12H	25.2	26.1	25.6	26.5	27.0	24.5	25.4	24.9	25.8	26.2	
4H	2H	24.1	25.3	24.5	25.7	26.1	23.7	24.9	24.1	25.3	25.6
	3H	24.9	26.0	25.4	26.4	26.8	24.5	25.5	24.9	25.9	26.3
	4H	25.3	26.2	25.7	26.6	27.0	24.8	25.7	25.2	26.1	26.6
	6H	25.6	26.4	26.0	26.8	27.3	25.1	25.9	25.5	26.3	26.8
	8H	25.7	26.4	26.1	26.8	27.3	25.2	25.9	25.7	26.3	26.8
12H	25.8	26.4	26.2	26.8	27.3	25.3	25.9	25.7	26.3	26.8	
8H	4H	25.4	26.1	25.9	26.5	27.0	24.9	25.6	25.4	26.1	26.6
	6H	25.7	26.3	26.2	26.8	27.3	25.3	25.9	25.8	26.3	26.9
	8H	25.8	26.3	26.3	26.8	27.4	25.4	25.9	25.9	26.4	26.9
	12H	25.9	26.3	26.4	26.8	27.4	25.5	25.9	26.0	26.4	27.0
12H	4H	25.4	26.0	25.9	26.5	27.0	24.9	25.6	25.4	26.0	26.5
	6H	25.7	26.2	26.2	26.7	27.2	25.3	25.8	25.8	26.3	26.8
	8H	25.9	26.3	26.4	26.8	27.3	25.5	25.9	26.0	26.4	26.9

<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°		45055.8	43007.1	48503.9	48588.9	42759.8	42203.2	43648.9
50°		39954.2	37164.6	41102.3	40966.1	34698.3	33235.5	34324.2
55°		34653.5	31594.3	32842.7	33548.1	29051.6	26259.1	26771.6
60°		28824.1	26201.5	25412.0	26887.9	24786.7	21172.1	21485.8
65°		23875.5	21527.9	19869.6	21540.6	21350.5	17934.4	18365.1
70°		20436.3	18195.5	15914.5	17532.0	18355.0	15876.1	16609.7
75°		17818.1	15361.4	13000.4	14373.0	15595.8	14208.3	15308.4
80°		15255.9	12674.3	10281.6	11288.7	12582.5	12138.6	13398.1
85°		11277.4	9238.4	7514.3	8160.8	9026.3	9182.0	10047.5

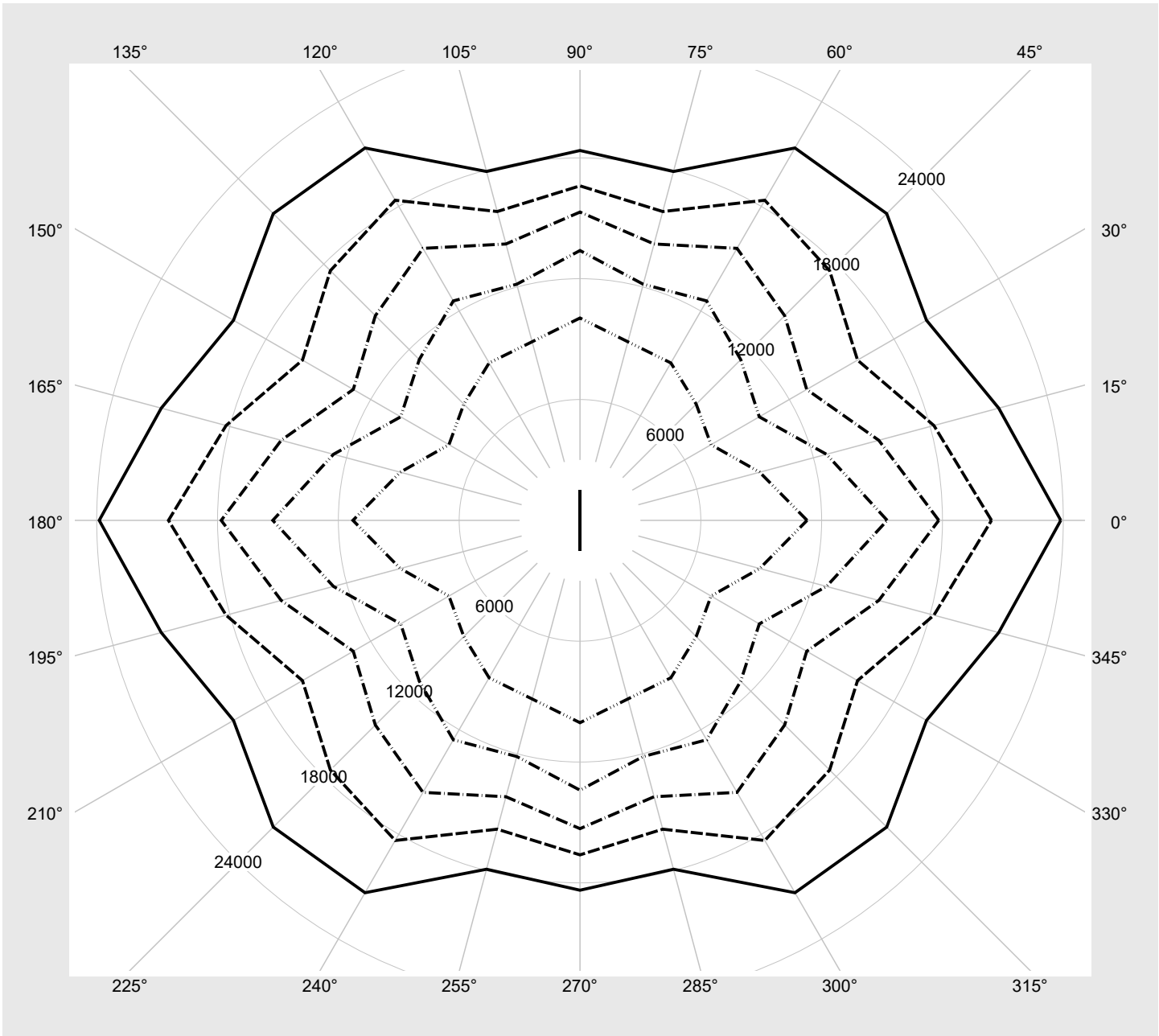
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**Luminance values in cd/m<sup>2</sup>**

$\gamma$  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	12970	77.0
95	240	252	12324	72.8
90	226	250	11669	68.6
85	212	247	11005	64.3
80	199	245	10384	60.4
75	185	242	9706	56.2
70	172	240	9073	52.3
65	159	237	8431	48.5
60	146	234	7783	44.7
55	133	230	7128	40.9
50	120	227	6464	37.1
45	108	223	5846	33.7
40	95	218	5166	29.9
35	83	213	4535	26.4
30	71	207	3897	23.0
25	59	201	3252	19.6
20	47	192	2602	16.2
15	35	181	1948	12.6
10	23	166	1286	9.2
5	12	142	674	6.1
2	4	102	227	3.8