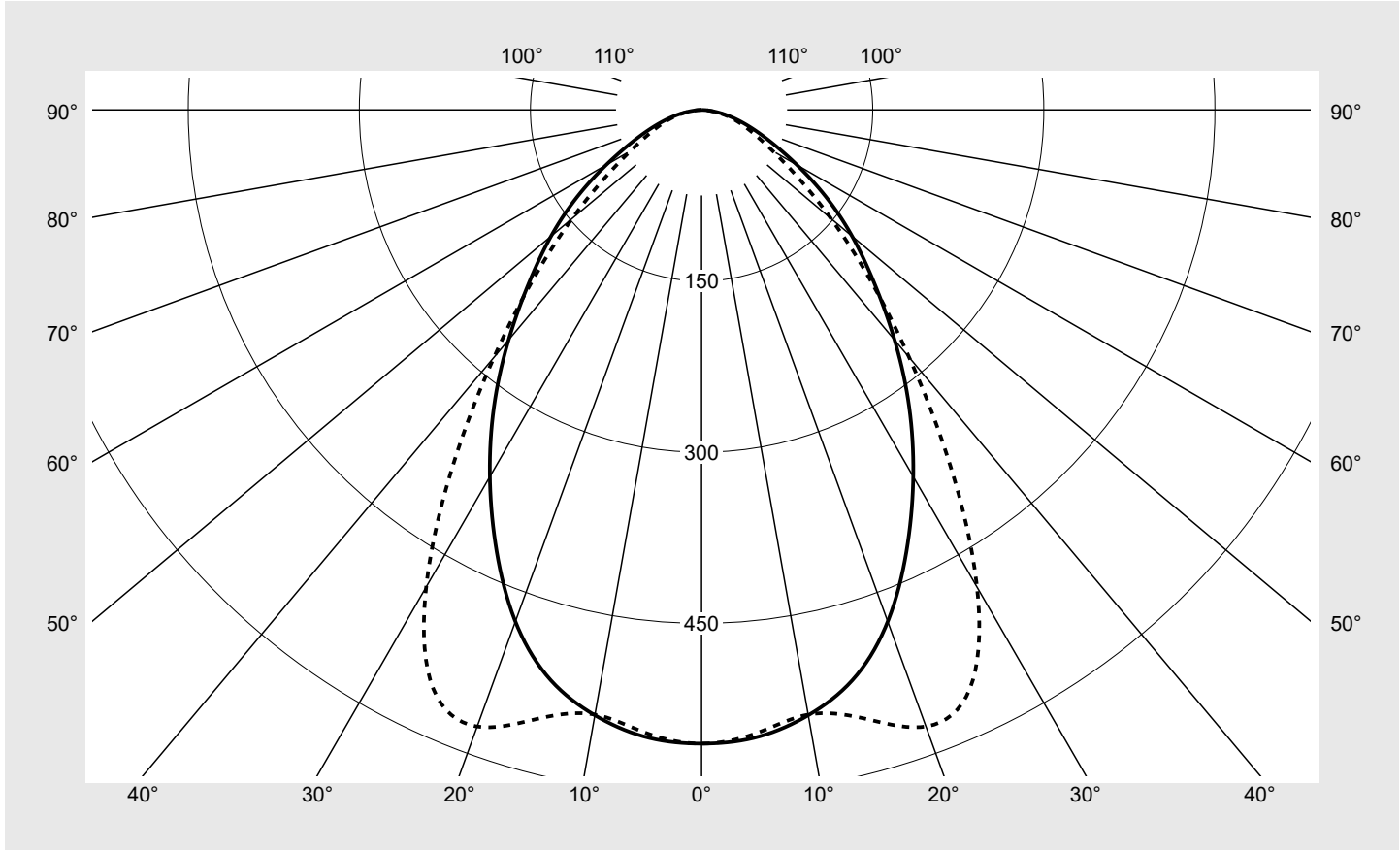


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL12VV4GXL</b> <b>EAN: 4058352458990</b>	<b>LP number</b> <b>58689_29</b>
	<b>Version</b> cover frosted, wide distribution, high visual comfort <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI CLO <b>Rated values</b> Net luminous flux = 16000 lm Power consumption = 87.4 W Luminous efficacy = 183.1 lm/W	<b>serial documentation</b> <b>04.12.2020</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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**sITeco**

<b>Table of values for luminous intensities</b>	<b>Maximum luminous intensity</b>
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C-planes γ	0° 180°	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
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

## Photometric test report

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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	23.1	24.6	23.5	24.9	25.2	22.6	24.1	22.9	24.4	24.7
	3H	23.8	25.2	24.2	25.5	25.8	23.2	24.5	23.5	24.8	25.2
	4H	24.1	25.4	24.5	25.7	26.1	23.4	24.7	23.8	25.0	25.4
	6H	24.3	25.5	24.8	25.8	26.2	23.6	24.8	24.0	25.1	25.5
	8H	24.5	25.5	24.9	25.9	26.3	23.8	24.8	24.2	25.2	25.6
	12H	24.5	25.5	24.9	25.9	26.3	23.8	24.7	24.2	25.1	25.6
4H	2H	23.4	24.7	23.8	25.0	25.4	23.0	24.2	23.4	24.6	25.0
	3H	24.3	25.3	24.7	25.7	26.1	23.8	24.8	24.2	25.2	25.6
	4H	24.6	25.5	25.0	25.9	26.4	24.1	25.0	24.6	25.5	25.9
	6H	24.9	25.7	25.3	26.1	26.6	24.4	25.2	24.9	25.6	26.1
	8H	25.0	25.7	25.5	26.2	26.6	24.5	25.2	25.0	25.7	26.1
	12H	25.1	25.7	25.6	26.2	26.6	24.6	25.2	25.1	25.7	26.2
8H	4H	24.7	25.4	25.2	25.9	26.3	24.2	25.0	24.7	25.4	25.9
	6H	25.0	25.6	25.5	26.1	26.6	24.6	25.2	25.1	25.7	26.2
	8H	25.1	25.7	25.6	26.1	26.7	24.7	25.3	25.2	25.7	26.3
	12H	25.2	25.7	25.8	26.2	26.7	24.8	25.3	25.3	25.8	26.3
12H	4H	24.7	25.3	25.2	25.8	26.3	24.3	24.9	24.8	25.3	25.8
	6H	25.1	25.5	25.6	26.0	26.6	24.6	25.1	25.1	25.6	26.1
	8H	25.2	25.6	25.7	26.1	26.6	24.8	25.2	25.3	25.7	26.2

<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°		37054.3	35369.5	39890.1	39960.0	35166.1	34708.4	35897.3	
50°		32858.8	30564.6	33803.0	33691.0	28536.2	27333.2	28228.6	
55°		28499.4	25983.5	27010.2	27590.3	23892.4	21595.8	22017.3	
60°		23705.3	21548.4	20899.1	22112.9	20384.9	17412.2	17670.1	
65°		19635.4	17704.8	16341.0	17715.2	17558.8	14749.4	15103.7	
70°		16807.1	14964.1	13088.2	14418.5	15095.3	13056.7	13660.0	
75°		14653.8	12633.4	10691.7	11820.5	12826.2	11685.0	12589.8	
80°		12546.6	10423.5	8455.7	9283.9	10348.0	9982.9	11018.7	
85°		9274.6	7597.8	6179.8	6711.6	7423.4	7551.4	8263.2	

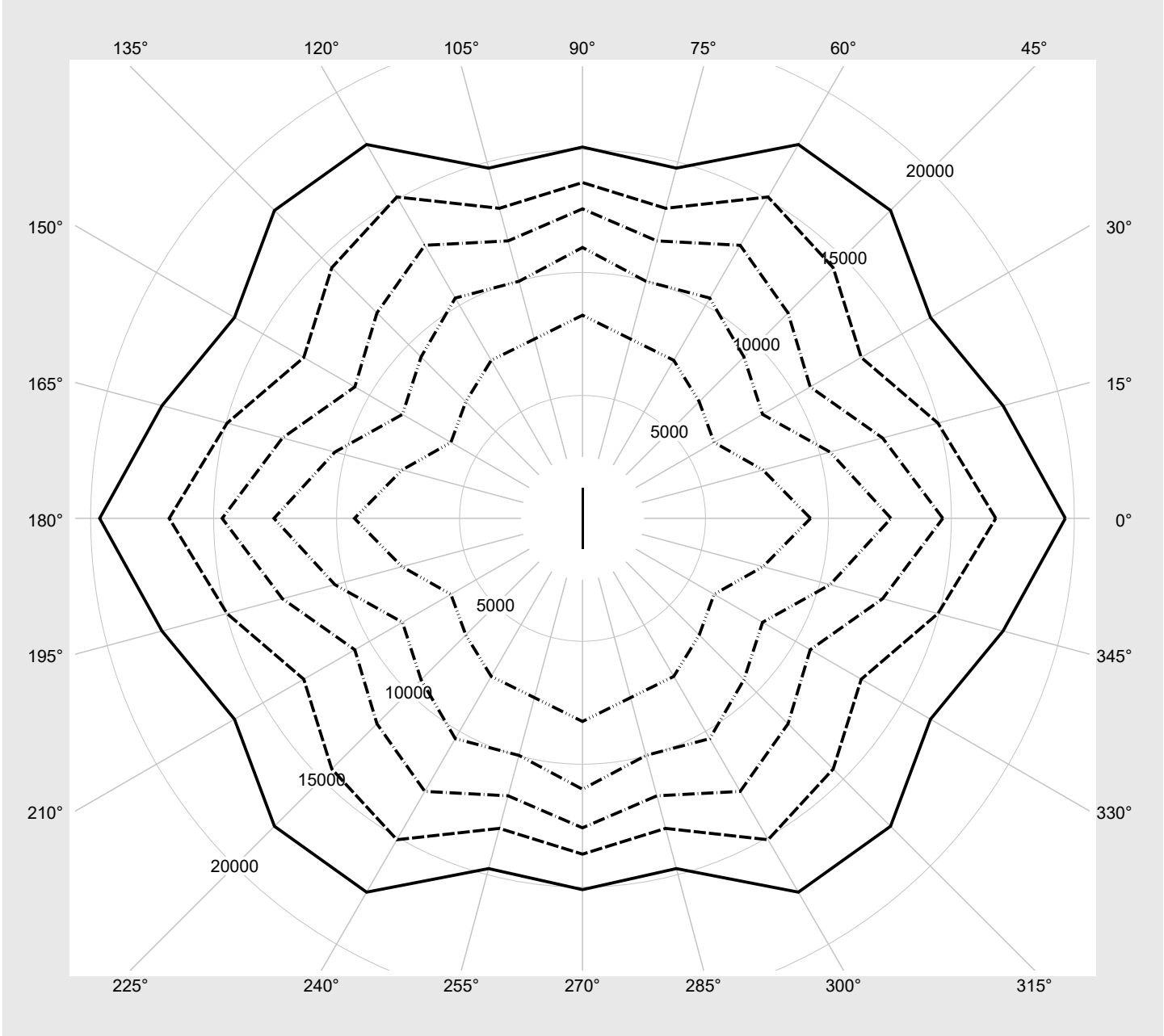
**Photometric test report**

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL12VV4GXL</b> <b>EAN: 4058352458990</b>	<b>LP number</b> <b>58689_29</b>
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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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## Photometric test report

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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]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	average
100	254	254	16000	87.4	101.5	94.4
95	241	252	15208	82.9	96.2	89.6
90	228	250	14415	78.4	91.1	84.8
85	215	248	13621	74.0	85.8	79.9
80	202	246	12820	69.6	80.5	75.0
75	189	243	12014	64.9	75.4	70.2
70	176	241	11201	60.6	70.3	65.4
65	163	238	10384	56.2	64.9	60.6
60	151	235	9626	52.2	60.2	56.2
55	138	232	8801	47.8	55.2	51.5
50	125	228	7972	43.5	50.2	46.8
45	113	224	7202	39.5	45.4	42.4
40	101	220	6428	35.5	40.8	38.2
35	88	215	5586	31.2	35.8	33.5
30	76	210	4806	27.3	31.3	29.3
25	64	204	4023	23.3	26.7	25.0
20	51	195	3169	19.1	21.8	20.5
15	39	185	2376	15.1	17.2	16.2
10	27	172	1580	11.2	12.6	11.9
5	15	150	780	7.3	8.1	7.7
1	6	117	179	4.2	4.6	4.4