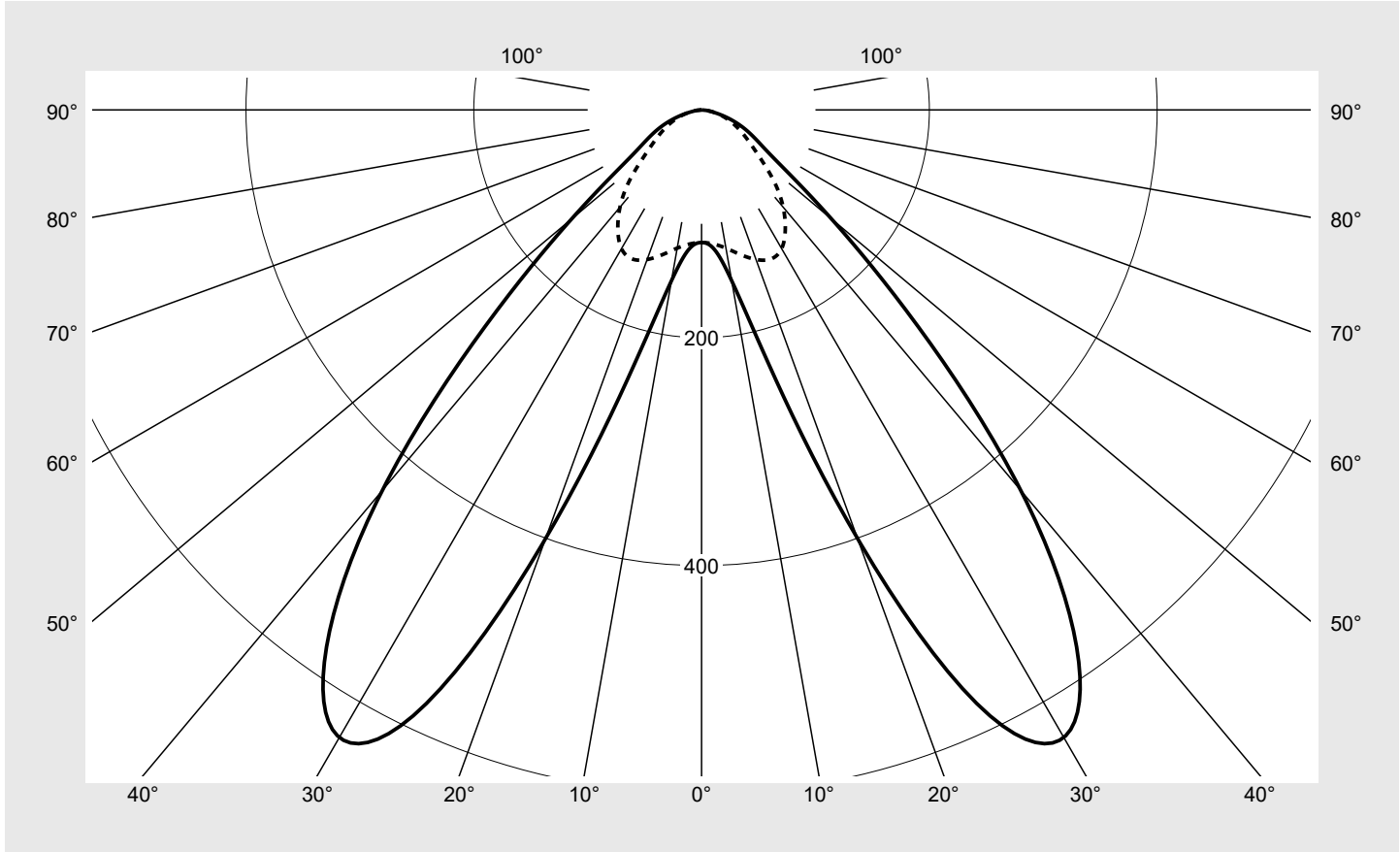


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL19DE445G</b> <b>EAN: 4058352929872</b>	<b>LP number</b> <b>58532_397</b>
	<b>Version</b> cover frosted, double asymmetric distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 4900 lm Power consumption = 29.6 W Luminous efficacy = 165.5 lm/W	<b>serial documentation</b> <b>21.09.2023</b>
		

**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 703 cd/klm**



Classifications	
DIN 5040	A 4 0
CIE	N1=55 N2=89 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

## Photometric test report

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**sITeco**

<b>Table of values for luminous intensities</b>	<b>Maximum luminous intensity</b>
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C-planes $\gamma$	0° 180°	15° 165° 195° 345°	Luminous intensity in cd/klm					90° 270°	Phi-zone	Total Phi-zone
			30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	Luminous flux in lm/klm			
0°	116.4	116.4	116.4	116.4	116.4	116.4	116.4	116.4	0.7	0.7
5°	122.3	121.8	120.5	120.1	119.3	118.4	118.1	118.1	5.7	6.4
10°	152.3	149.6	141.1	133.1	127.4	124.1	123.2	123.2	12.9	19.3
15°	235.7	226.2	196.7	164.2	142.2	133.3	131.4	131.4	24.7	44.1
20°	400.4	377.8	306.4	227.1	167.8	143.8	139.7	139.7	46.6	90.7
25°	577.7	557.7	476.8	343.4	212.9	153.0	144.3	144.3	81.3	172.0
30°	636.1	636.8	610.4	517.3	280.0	157.9	140.6	140.6	118.3	290.3
35°	573.7	597.7	662.3	665.7	347.9	155.6	128.2	128.2	145.7	436.0
40°	436.2	470.5	613.4	703.5	376.1	144.6	111.4	111.4	151.6	587.6
45°	268.7	299.8	459.0	605.2	334.0	122.5	91.2	91.2	129.2	716.8
50°	149.1	168.3	276.5	419.8	259.3	97.4	69.0	69.0	93.1	809.9
55°	85.3	95.5	151.2	245.9	199.7	79.3	53.1	53.1	62.9	872.9
60°	59.3	63.7	88.0	138.5	152.7	65.0	42.1	42.1	44.2	917.1
65°	44.9	47.0	60.8	84.9	110.7	51.4	33.0	33.0	32.6	949.7
70°	31.7	33.1	42.5	56.3	76.3	38.4	24.7	24.7	23.6	973.3
75°	19.0	20.1	26.0	34.9	49.6	26.3	17.0	17.0	15.4	988.7
80°	8.8	9.4	12.7	18.2	27.0	15.2	9.8	9.8	8.3	997.0
85°	3.4	3.6	4.7	6.8	9.5	5.9	3.7	3.7	3.1	1000.0
90°	0.0	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	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	25.1	26.7	25.4	27.0	27.3	23.9	25.5	24.3	25.8	26.2
	3H	25.2	26.7	25.6	27.0	27.4	24.2	25.6	24.6	26.0	26.3
	4H	25.3	26.6	25.7	27.0	27.4	24.3	25.6	24.7	26.0	26.4
	6H	25.3	26.5	25.7	26.9	27.3	24.3	25.6	24.7	25.9	26.3
	8H	25.3	26.5	25.8	26.8	27.3	24.3	25.5	24.7	25.9	26.3
	12H	25.3	26.4	25.8	26.8	27.2	24.3	25.5	24.7	25.8	26.3
4H	2H	25.5	26.8	25.9	27.2	27.6	24.6	26.0	25.0	26.3	26.7
	3H	25.7	26.9	26.2	27.3	27.7	25.3	26.5	25.8	26.9	27.3
	4H	25.8	26.9	26.3	27.3	27.7	25.6	26.6	26.0	27.0	27.4
	6H	25.9	26.8	26.3	27.2	27.6	25.7	26.6	26.2	27.0	27.5
	8H	25.9	26.7	26.3	27.1	27.6	25.7	26.6	26.2	27.0	27.5
	12H	25.9	26.6	26.4	27.1	27.5	25.7	26.5	26.2	26.9	27.4
8H	4H	26.0	26.8	26.5	27.3	27.7	25.8	26.6	26.3	27.0	27.5
	6H	26.1	26.7	26.5	27.2	27.7	26.1	26.8	26.6	27.2	27.7
	8H	26.1	26.7	26.6	27.2	27.7	26.2	26.8	26.7	27.2	27.8
	12H	26.1	26.6	26.6	27.1	27.6	26.2	26.7	26.7	27.2	27.7
12H	4H	26.0	26.8	26.5	27.2	27.7	25.8	26.5	26.3	27.0	27.5
	6H	26.1	26.7	26.6	27.2	27.7	26.1	26.7	26.6	27.2	27.7
	8H	26.1	26.6	26.6	27.1	27.7	26.2	26.7	26.7	27.2	27.8

<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>

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°		42798.9	47752.3	73121.9	96404.4	53201.8	19516.4	14526.1	
50°		26122.5	29500.0	48459.1	73561.2	45443.9	17071.4	12087.7	
55°		16759.6	18753.9	29697.6	48297.2	39217.6	15564.8	10421.0	
60°		13358.2	14361.6	19827.3	31194.9	34395.7	14654.3	9485.7	
65°		11965.9	12540.1	16206.0	22632.0	29511.3	13692.6	8784.3	
70°		10453.5	10898.5	14009.2	18526.2	25140.5	12655.2	8129.3	
75°		8271.8	8757.1	11326.6	15196.6	21596.6	11454.6	7394.9	
80°		5700.0	6065.9	8234.5	11821.1	17509.4	9871.8	6379.9	
85°		4455.0	4647.6	6020.2	8726.6	12338.9	7571.1	4838.9	

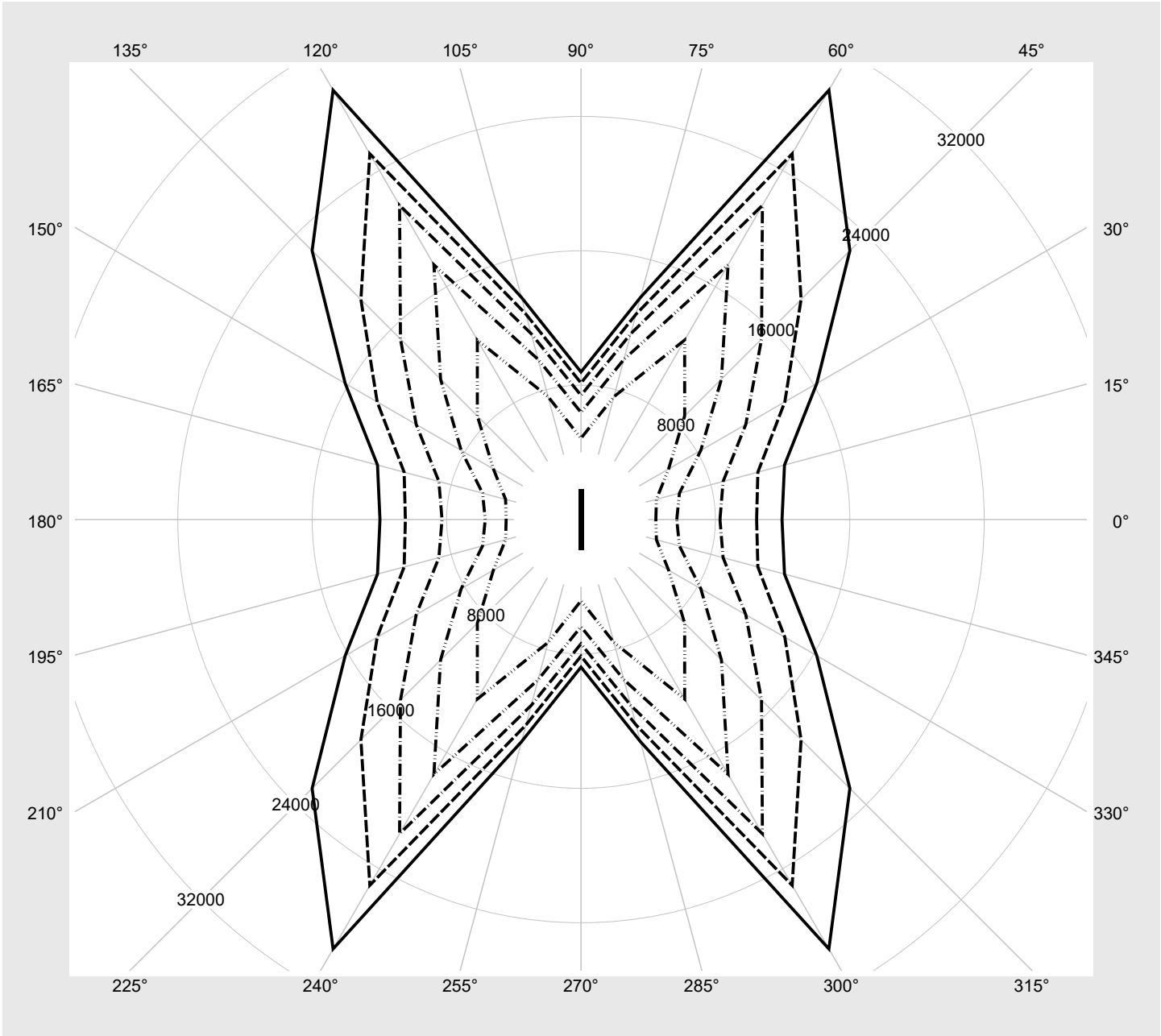
**Photometric test report**

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL19DE445G</b> <b>EAN: 4058352929872</b>	<b>LP number</b> <b>58532_397</b>
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**Luminance values in cd/m<sup>2</sup>**

$\gamma$  65°    
   $\gamma$  70°    
   $\gamma$  75°    
   $\gamma$  80°    
   $\gamma$  85°

**siteco**



## Photometric test report

<b>Family</b> Licross® 11 Recessed	<b>Order number: 51TL19DE445G</b> <b>EAN: 4058352929872</b>	<b>LP number</b> <b>58532_397</b>
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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	4900	29.6
95	240	252	4653	28.0
90	226	250	4402	26.3
85	213	248	4167	24.8
80	199	245	3913	23.2
75	186	243	3673	21.7
70	173	240	3432	20.1
65	160	237	3189	18.6
60	147	234	2943	17.1
55	134	231	2694	15.6
50	121	227	2443	14.3
45	109	223	2210	13.1
40	96	218	1954	11.7
35	84	213	1718	10.4
30	72	208	1478	9.1
25	60	201	1235	7.7
20	47	192	972	6.1
15	35	181	726	4.8
10	24	168	498	3.4
8	18	157	373	2.7