
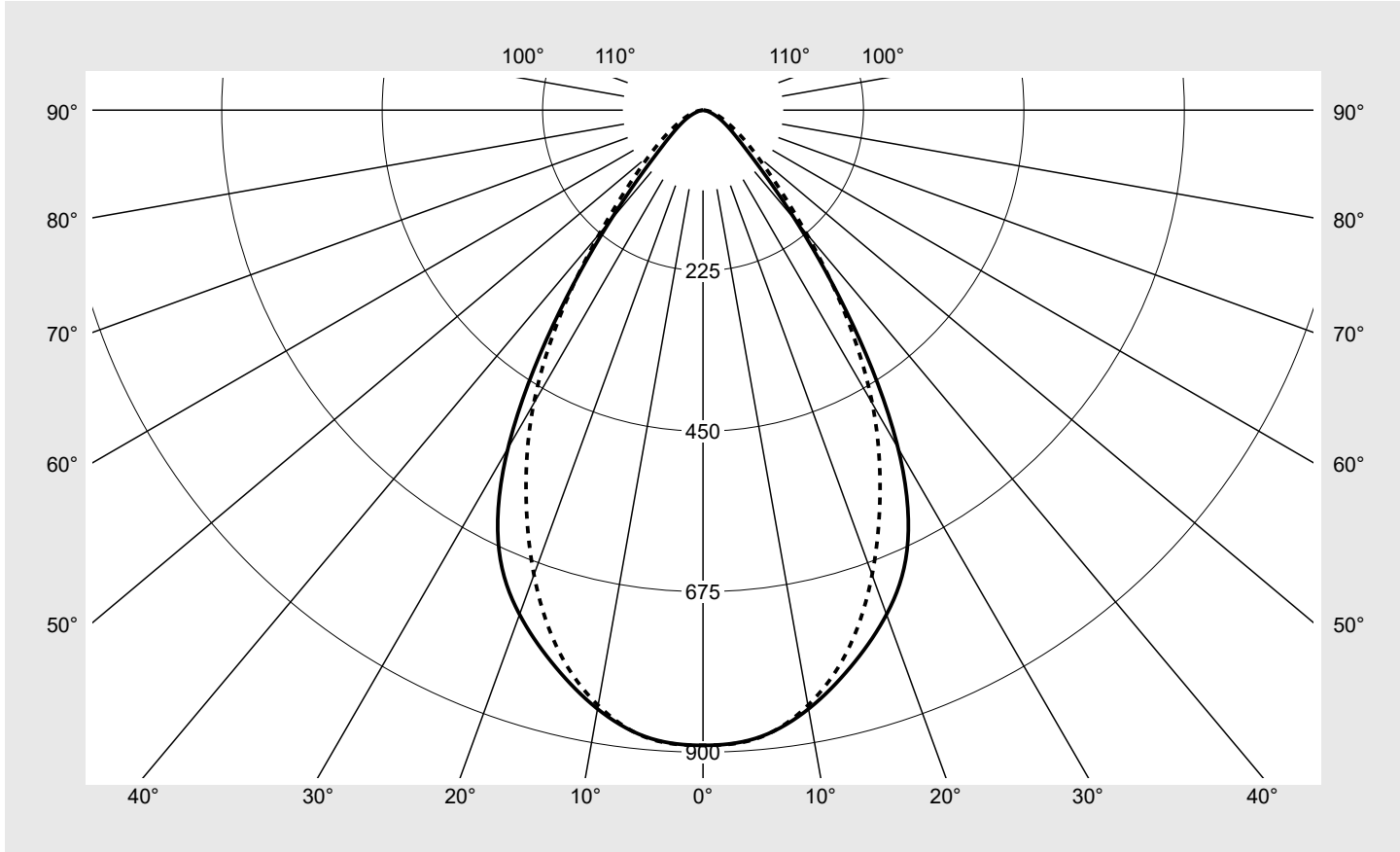


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL18DN495G</b> <b>EAN: 4058352926949</b>	<b>LP number</b> <b>58691_149</b>
	<b>Version</b> cover frosted, medium distribution, high visual comfort <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 9950 lm Power consumption = 56.7 W Luminous efficacy = 175.5 lm/W	<b>serial documentation</b> <b>19.09.2023</b>



**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 890 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=83 N2=96 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

## Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL18DN495G</b> <b>EAN: 4058352926949</b>	<b>LP number</b> <b>58691_149</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>



C-planes γ	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°	890.5	890.5	890.5	890.5	890.5	890.5	890.5	5.3	5.3
5°	883.0	882.3	875.7	876.1	880.2	881.2	883.8	42.0	47.4
10°	852.3	852.7	846.0	846.4	847.1	846.1	847.2	80.7	128.1
15°	806.0	807.1	800.6	798.1	793.1	786.0	783.9	113.0	241.1
20°	752.4	753.8	745.8	735.1	719.0	700.4	693.3	136.8	377.8
25°	677.7	678.7	666.2	642.3	616.2	594.6	587.5	147.9	525.7
30°	547.1	547.0	530.5	500.0	481.5	475.9	474.8	139.1	664.9
35°	364.4	363.5	349.1	327.1	328.9	340.7	345.9	108.2	773.0
40°	203.2	202.2	193.4	185.6	201.9	218.9	225.4	71.4	844.5
45°	108.8	108.0	102.7	103.7	123.9	139.5	144.1	45.5	890.0
50°	66.7	66.1	62.8	66.6	83.9	94.8	97.2	31.9	921.9
55°	45.6	45.3	45.3	49.0	60.9	67.0	67.8	24.3	946.1
60°	31.9	31.8	34.1	38.0	45.2	47.1	47.1	18.6	964.8
65°	21.6	21.7	24.8	28.3	33.6	33.2	32.9	14.0	978.8
70°	13.4	13.7	16.2	19.9	24.5	23.3	22.8	9.9	988.7
75°	7.5	7.7	9.1	12.7	16.1	15.5	14.8	6.4	995.1
80°	4.0	4.1	4.6	6.4	8.9	8.9	8.1	3.5	998.6
85°	1.9	1.8	2.0	2.6	3.4	3.5	3.0	1.4	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

<b>Family</b> Licross® 11 Recessed	<b>Order number: 51TL18DN495G</b> <b>EAN: 4058352926949</b>	<b>LP number</b> 58691_149
---------------------------------------	--	-------------------------------

<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
------------------	----------------------	---------------

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	18.9	20.2	19.3	20.6	20.9	19.9	21.2	20.2	21.5	21.8
	3H	19.1	20.3	19.5	20.6	21.0	20.3	21.5	20.7	21.8	22.2
	4H	19.1	20.2	19.5	20.6	20.9	20.5	21.6	20.9	22.0	22.3
	6H	19.1	20.1	19.6	20.5	20.9	20.7	21.6	21.1	22.0	22.4
	8H	19.2	20.1	19.7	20.4	20.9	20.8	21.6	21.2	22.0	22.4
	12H	19.2	20.0	19.7	20.4	20.8	20.8	21.6	21.2	22.0	22.4
4H	2H	19.1	20.2	19.5	20.5	20.9	19.9	21.0	20.3	21.4	21.7
	3H	19.4	20.3	19.8	20.7	21.1	20.6	21.5	21.0	21.9	22.3
	4H	19.4	20.2	19.9	20.6	21.1	20.9	21.7	21.3	22.1	22.5
	6H	19.5	20.1	19.9	20.6	21.0	21.1	21.8	21.6	22.2	22.7
	8H	19.5	20.1	20.0	20.5	21.0	21.2	21.8	21.7	22.2	22.7
	12H	19.5	20.0	20.0	20.5	21.0	21.3	21.7	21.7	22.2	22.7
8H	4H	19.6	20.1	20.0	20.6	21.1	20.9	21.5	21.4	22.0	22.5
	6H	19.6	20.1	20.1	20.6	21.1	21.2	21.7	21.7	22.2	22.7
	8H	19.6	20.0	20.1	20.5	21.0	21.3	21.7	21.8	22.2	22.8
	12H	19.6	20.0	20.1	20.5	21.0	21.4	21.7	21.9	22.2	22.8
12H	4H	19.6	20.1	20.1	20.5	21.0	20.9	21.4	21.4	21.9	22.4
	6H	19.6	20.0	20.1	20.5	21.0	21.2	21.6	21.7	22.1	22.6
	8H	19.6	20.0	20.2	20.5	21.0	21.3	21.7	21.9	22.2	22.7

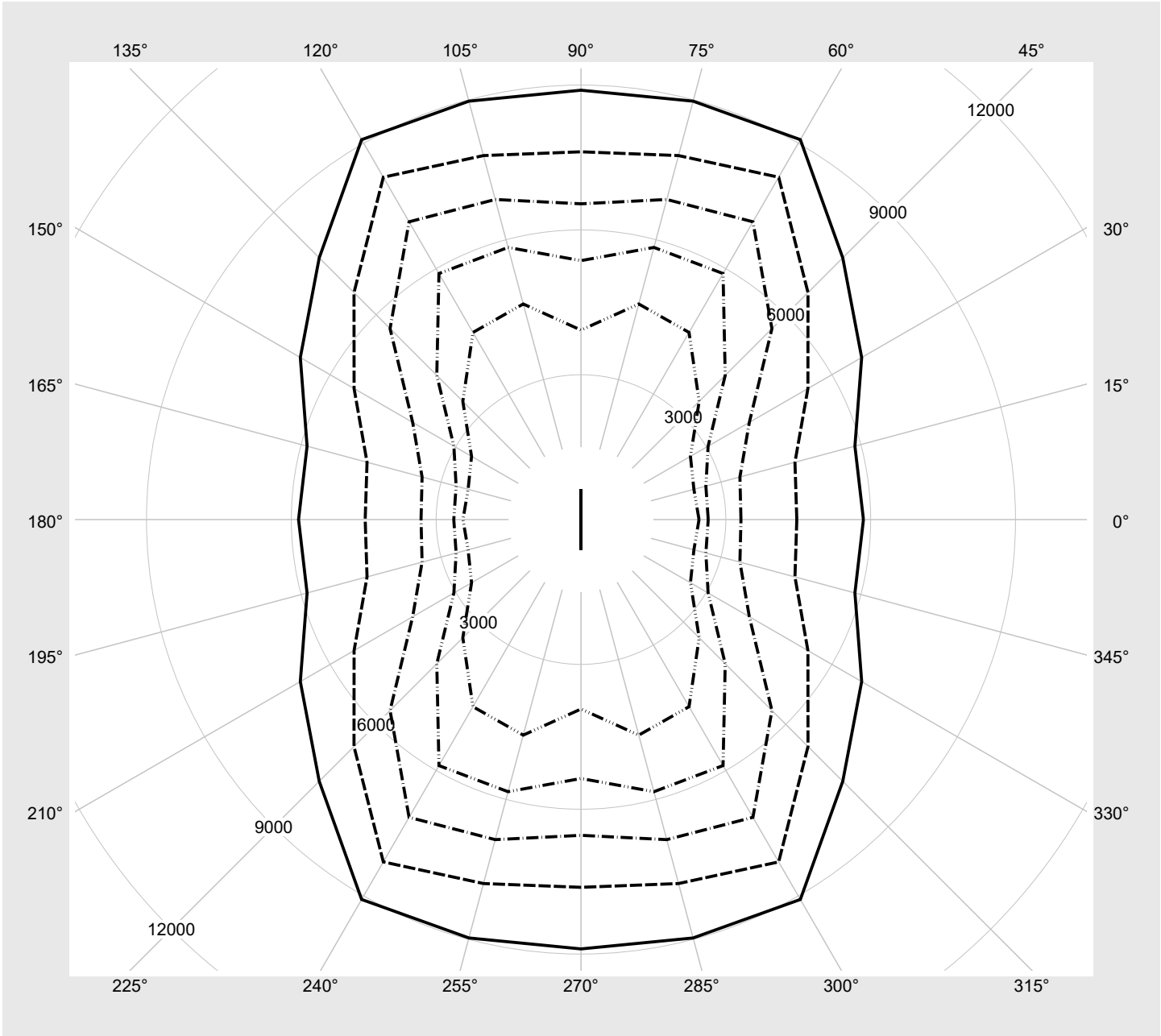
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1500</b>
			<b>B = 58</b>

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°		17601.2	17473.0	16603.5	16765.1	20043.9	22557.6	23313.3	
50°		11875.8	11760.8	11166.9	11854.4	14933.9	16866.9	17303.0	
55°		9089.8	9034.2	9039.1	9763.3	12134.3	13355.6	13517.3	
60°		7303.5	7267.4	7811.1	8699.5	10330.6	10772.1	10762.0	
65°		5850.2	5874.0	6712.9	7667.7	9087.1	8972.6	8893.8	
70°		4470.1	4588.2	5427.1	6649.3	8188.9	7805.6	7618.1	
75°		3313.2	3407.8	4026.0	5592.9	7122.3	6864.2	6540.8	
80°		2635.1	2677.9	3040.2	4224.4	5884.8	5836.0	5363.8	
85°		2444.7	2421.1	2617.9	3461.6	4476.0	4623.0	3924.9	

**Photometric test report**

<b>Family</b> Licross® 11 Recessed	<b>Order number: 51TL18DN495G</b> <b>EAN: 4058352926949</b>	<b>LP number</b> <b>58691_149</b>
---------------------------------------	--	--------------------------------------

**Luminance values in cd/m<sup>2</sup>**      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**



## Photometric test report

<b>Family</b> Licross® 11 Recessed	<b>Order number: 51TL18DN495G</b> <b>EAN: 4058352926949</b>	<b>LP number</b> 58691_149
---------------------------------------	--	-------------------------------

<b>Dimming levels table</b>	environmental temperature: 25°C	<b>sITeco</b>
-----------------------------	---------------------------------	---------------

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	9950	56.7
95	240	252	9448	53.6
90	226	250	8937	50.4
85	213	248	8461	47.5
80	199	245	7944	44.4
75	186	243	7457	41.5
70	173	240	6968	38.5
65	160	237	6475	35.7
60	147	234	5976	32.8
55	134	231	5470	29.9
50	121	227	4961	27.2
45	109	223	4488	24.6
40	96	218	3968	21.9
35	84	213	3486	19.3
30	72	208	3001	16.9
25	60	201	2508	14.4
20	47	192	1973	11.6
15	35	181	1474	9.1
10	24	168	1013	6.8
5	12	142	503	4.4
2	4	102	162	2.8