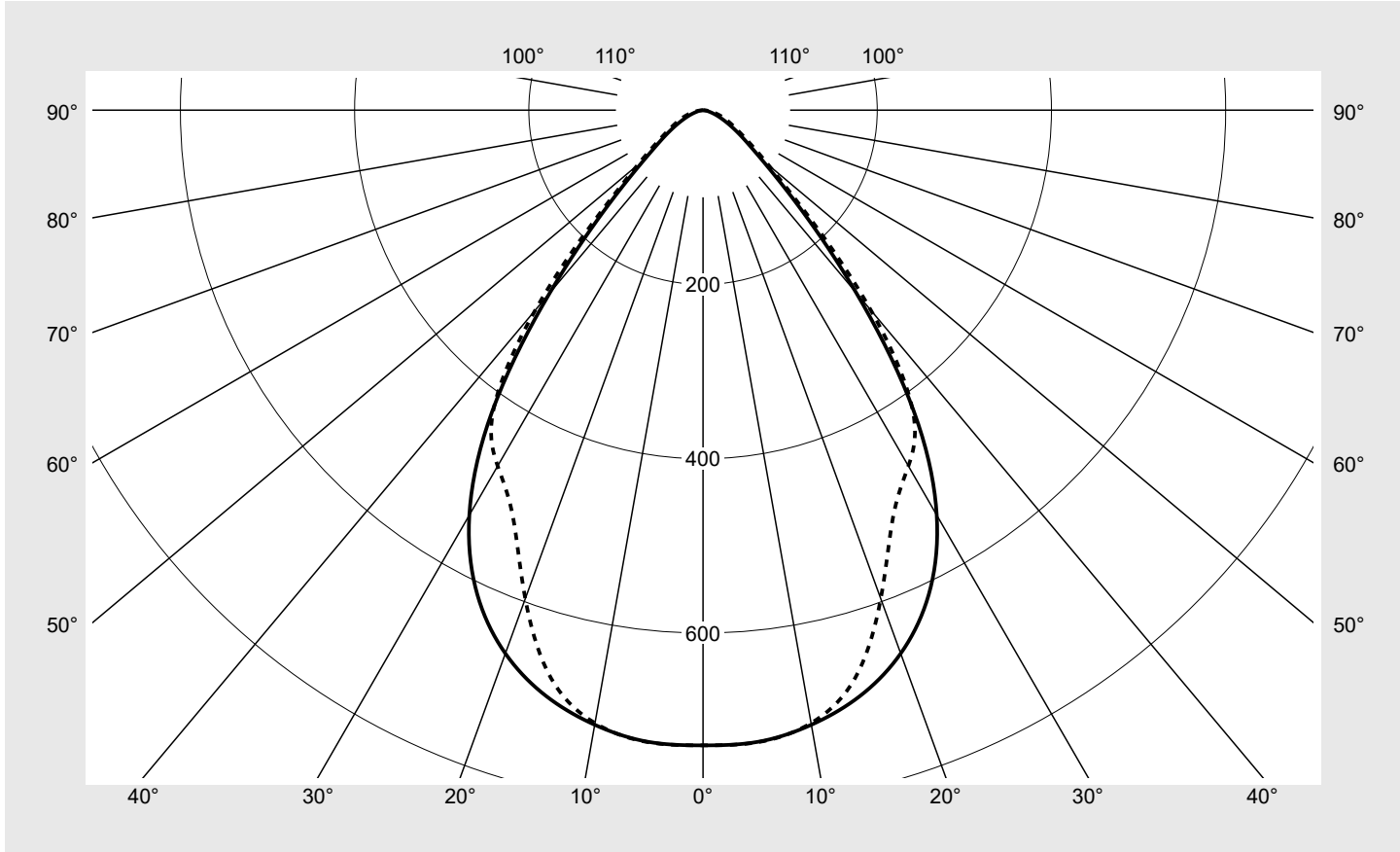


# Photometric test report

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TL18VN565G</b> <b>EAN: 4058352979662</b>	<b>LP number</b> <b>59103_296</b>
	<b>Version</b> cover frosted, medium distribution, high visual comfort <b>Lamps</b> LED 5000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI CLO <b>Rated values</b> Net luminous flux = 6500 lm Power consumption = 37.3 W Luminous efficacy = 174.3 lm/W	<b>serial documentation</b> <b>07.11.2023</b>
		

**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 729 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=79 N2=95 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® 21 Recessed</b>	<b>Order number: 52TL18VN565G</b> <b>EAN: 4058352979662</b>	<b>LP number</b> <b>59103_296</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</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°	728.9	728.9	728.9	728.9	728.9	728.9	728.9	4.4	4.4
5°	727.6	725.6	721.4	724.4	727.7	727.5	728.0	34.7	39.0
10°	716.2	715.8	711.3	714.1	716.0	714.5	714.3	68.0	107.0
15°	696.1	697.2	692.4	692.3	687.6	678.3	674.7	97.7	204.8
20°	663.5	665.6	659.3	649.0	628.4	605.3	596.6	119.9	324.7
25°	613.2	616.1	603.1	573.7	542.7	522.2	516.0	132.1	456.8
30°	536.6	538.7	513.6	472.5	462.2	468.1	471.5	135.2	592.0
35°	422.0	421.2	386.0	361.6	387.1	411.1	419.4	125.1	717.1
40°	273.6	269.8	241.4	246.2	279.1	295.4	299.7	95.1	812.2
45°	153.4	148.0	132.2	146.4	164.6	167.9	167.6	59.4	871.5
50°	87.1	86.0	88.4	95.4	105.5	102.0	98.3	39.9	911.4
55°	56.5	55.2	58.2	69.2	74.7	68.5	64.6	28.9	940.4
60°	37.8	37.4	39.6	46.2	52.4	47.5	45.7	20.9	961.3
65°	24.5	24.8	27.6	32.4	36.8	34.0	33.6	15.3	976.6
70°	15.3	15.7	18.0	22.8	25.8	24.5	24.5	10.9	987.5
75°	8.5	8.7	10.3	14.3	17.1	16.5	16.4	7.0	994.5
80°	4.5	4.6	5.3	7.4	9.6	9.5	9.0	3.9	998.3
85°	2.3	2.3	2.4	3.2	3.8	3.8	3.2	1.7	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	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® 21 Recessed	<b>Order number: 52TL18VN565G</b> <b>EAN: 4058352979662</b>	<b>LP number</b> 59103_296
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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	18.7	20.1	19.1	20.4	20.7	19.4	20.7	19.7	21.1	21.4
	3H	18.9	20.1	19.3	20.4	20.8	19.8	21.0	20.1	21.3	21.6
	4H	18.9	20.0	19.3	20.4	20.7	19.9	21.0	20.3	21.4	21.8
	6H	18.9	19.9	19.3	20.3	20.7	20.1	21.0	20.5	21.4	21.8
	8H	19.0	19.9	19.4	20.2	20.6	20.2	21.0	20.6	21.4	21.8
	12H	19.0	19.8	19.4	20.2	20.6	20.2	21.0	20.6	21.4	21.8
4H	2H	18.9	20.0	19.3	20.3	20.7	19.5	20.6	19.9	20.9	21.3
	3H	19.1	20.0	19.6	20.4	20.9	20.0	20.9	20.4	21.3	21.7
	4H	19.2	20.0	19.6	20.4	20.8	20.3	21.1	20.7	21.5	21.9
	6H	19.2	19.9	19.7	20.3	20.8	20.5	21.2	20.9	21.6	22.1
	8H	19.2	19.8	19.7	20.3	20.8	20.5	21.1	21.0	21.6	22.1
	12H	19.2	19.8	19.7	20.2	20.7	20.6	21.1	21.1	21.6	22.1
8H	4H	19.3	19.9	19.7	20.3	20.8	20.3	20.9	20.8	21.4	21.8
	6H	19.3	19.8	19.8	20.3	20.8	20.6	21.1	21.0	21.5	22.0
	8H	19.3	19.7	19.8	20.2	20.8	20.6	21.1	21.1	21.6	22.1
	12H	19.3	19.7	19.8	20.2	20.7	20.7	21.1	21.2	21.6	22.1
12H	4H	19.3	19.8	19.8	20.3	20.8	20.3	20.8	20.8	21.3	21.8
	6H	19.3	19.7	19.8	20.2	20.8	20.6	21.0	21.1	21.5	22.0
	8H	19.3	19.7	19.9	20.2	20.7	20.7	21.0	21.2	21.5	22.1

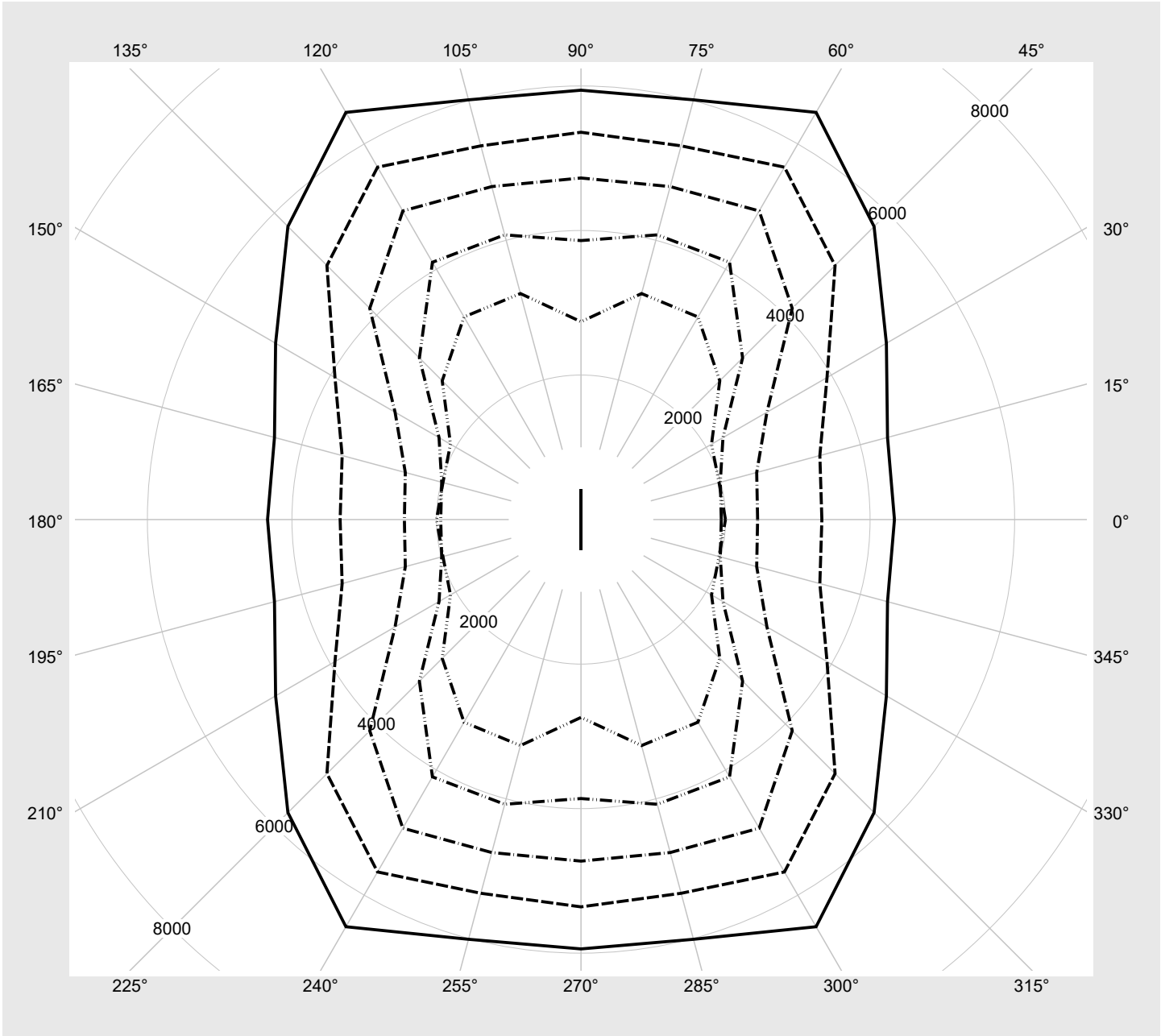
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1500</b> <b>B = 58</b>
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C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		16207.8	15634.7	13966.2	15463.3	17391.5	17739.6	17712.9
50°		10128.6	9996.0	10275.9	11089.0	12264.5	11852.0	11430.7
55°		7355.9	7187.5	7577.1	9019.8	9729.7	8927.5	8412.3
60°		5643.2	5582.7	5912.2	6904.3	7824.8	7097.6	6824.9
65°		4337.4	4391.2	4879.6	5735.4	6506.2	6013.3	5941.6
70°		3333.0	3421.7	3931.1	4972.0	5630.9	5354.1	5359.6
75°		2443.9	2516.9	2970.7	4134.0	4931.3	4770.5	4726.6
80°		1941.3	1995.5	2268.3	3162.4	4111.5	4078.8	3860.7
85°		1999.1	1977.6	2085.6	2715.7	3237.8	3237.8	2738.0

**Photometric test report**

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**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® 21 Recessed	<b>Order number: 52TL18VN565G</b> <b>EAN: 4058352979662</b>	<b>LP number</b> <b>59103_296</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]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	average
100	254	254	6500	37.3	44.0	40.6
95	241	252	6183	35.4	41.9	38.6
90	227	250	5840	33.4	39.5	36.4
85	214	248	5521	31.6	37.3	34.4
80	201	245	5198	29.8	35.1	32.4
75	188	243	4872	27.9	32.9	30.4
70	175	240	4547	26.1	30.7	28.4
65	162	238	4218	24.3	28.6	26.4
60	149	234	3888	22.5	26.4	24.4
55	137	231	3582	20.9	24.4	22.6
50	124	228	3248	19.1	22.3	20.7
45	111	224	2914	17.3	20.2	18.8
40	99	219	2601	15.6	18.2	16.9
35	86	214	2262	13.9	16.1	15.0
30	74	209	1950	12.2	14.1	13.2
25	62	202	1633	10.5	12.1	11.3
20	49	194	1291	8.8	10.0	9.4
15	37	183	973	7.1	8.1	7.6
10	25	169	653	5.4	6.1	5.8
5	13	145	334	3.8	4.1	4.0
2	6	117	144	2.9	3.0	3.0