

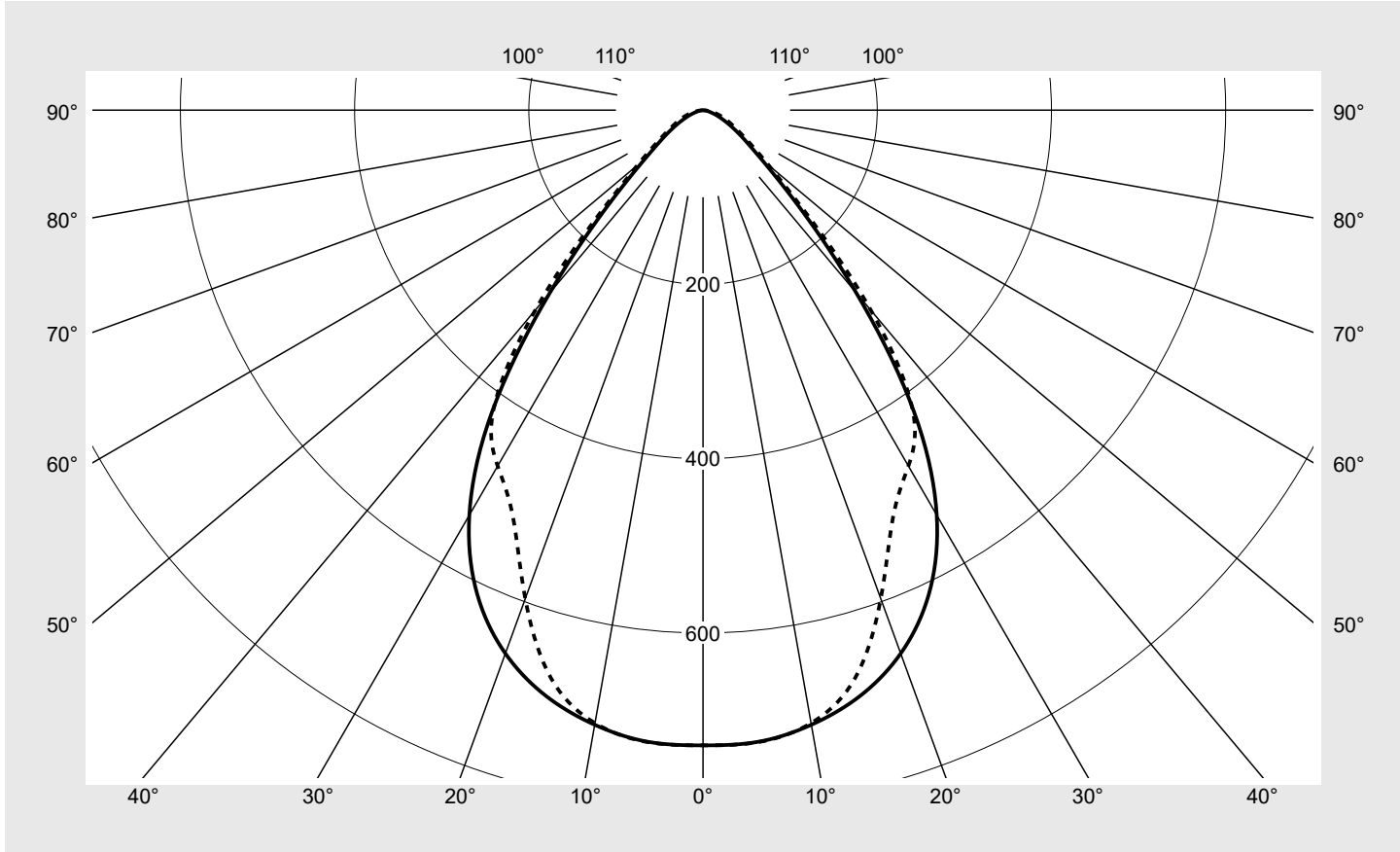


# Photometric test report

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TL18VN555G</b> <b>EAN: 4058352979648</b>	<b>LP number</b> <b>59103_297</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 = 5500 lm Power consumption = 30.9 W Luminous efficacy = 178 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

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<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

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Family <b>Licross® 21 Recessed</b>	Order number: <b>52TL18VN555G</b> EAN: <b>4058352979648</b>	LP number <b>59103_297</b>
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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	18.2	19.5	18.5	19.8	20.1	18.8	20.2	19.2	20.5	20.8
	3H	18.3	19.5	18.7	19.8	20.2	19.2	20.4	19.6	20.7	21.1
	4H	18.3	19.4	18.7	19.8	20.2	19.3	20.5	19.7	20.8	21.2
	6H	18.3	19.3	18.7	19.7	20.1	19.5	20.5	19.9	20.8	21.2
	8H	18.4	19.3	18.8	19.7	20.1	19.6	20.4	20.0	20.8	21.2
	12H	18.4	19.2	18.8	19.6	20.0	19.6	20.4	20.0	20.8	21.2
4H	2H	18.3	19.4	18.7	19.8	20.1	18.9	20.0	19.3	20.4	20.7
	3H	18.5	19.5	19.0	19.9	20.3	19.4	20.3	19.9	20.7	21.2
	4H	18.6	19.4	19.0	19.8	20.3	19.7	20.5	20.1	20.9	21.4
	6H	18.6	19.3	19.1	19.7	20.2	19.9	20.6	20.3	21.0	21.5
	8H	18.6	19.2	19.1	19.7	20.2	19.9	20.6	20.4	21.0	21.5
	12H	18.6	19.2	19.1	19.6	20.1	20.0	20.5	20.5	21.0	21.5
8H	4H	18.7	19.3	19.2	19.7	20.2	19.7	20.3	20.2	20.8	21.3
	6H	18.7	19.2	19.2	19.7	20.2	20.0	20.5	20.5	21.0	21.5
	8H	18.7	19.2	19.2	19.7	20.2	20.1	20.5	20.6	21.0	21.5
	12H	18.7	19.1	19.3	19.6	20.2	20.1	20.5	20.7	21.0	21.5
12H	4H	18.7	19.2	19.2	19.7	20.2	19.7	20.2	20.2	20.7	21.2
	6H	18.7	19.2	19.3	19.6	20.2	20.0	20.4	20.5	20.9	21.4
	8H	18.8	19.1	19.3	19.6	20.2	20.1	20.4	20.6	20.9	21.5

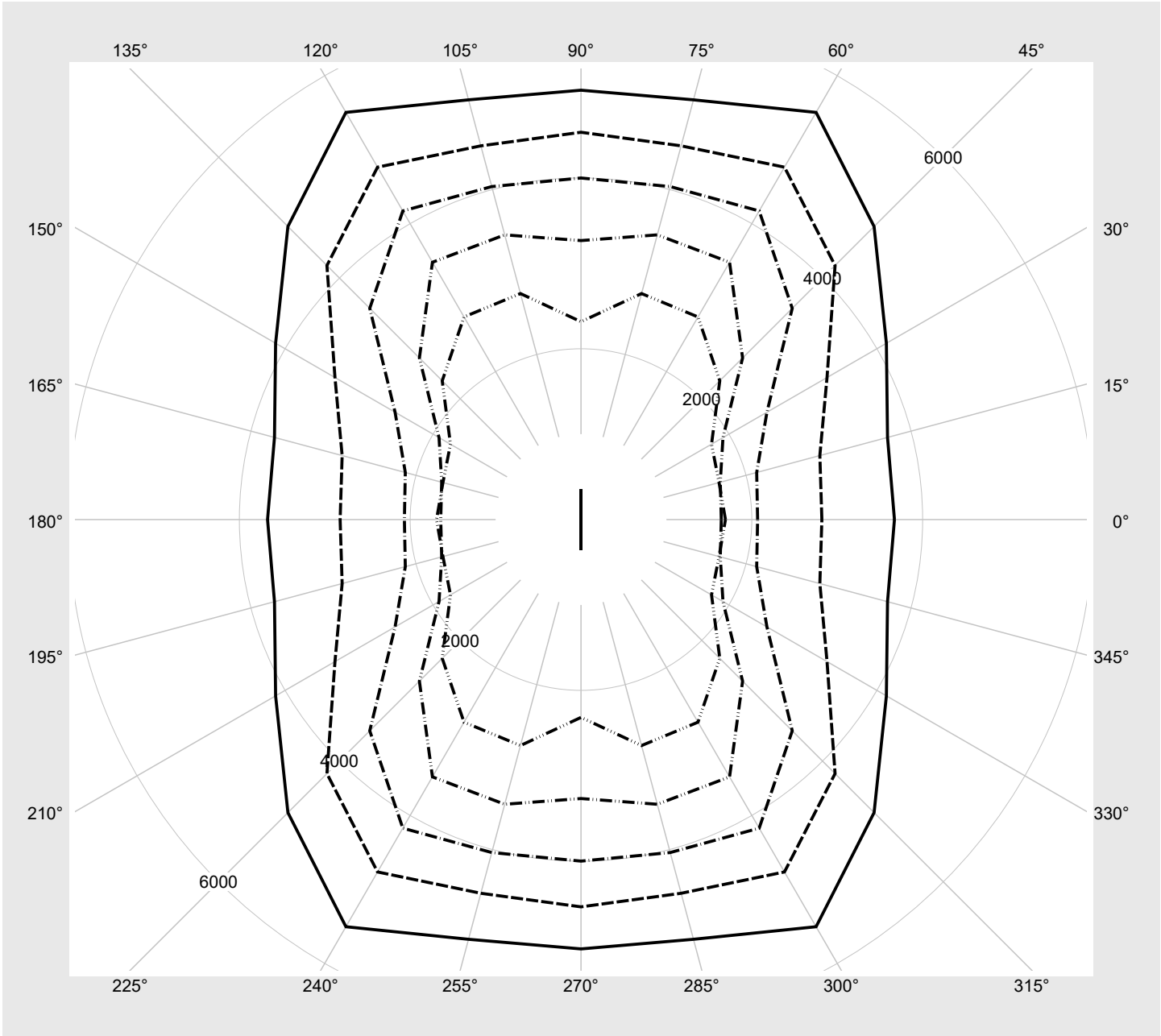
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1500</b> <b>B = 58</b>
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C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		13714.3	13229.3	11817.6	13084.3	14715.9	15010.4	14987.8	
50°		8570.3	8458.1	8695.0	9383.0	10377.6	10028.6	9672.2	
55°		6224.2	6081.7	6411.4	7632.1	8232.8	7554.0	7118.1	
60°		4775.0	4723.8	5002.6	5842.1	6621.0	6005.6	5774.9	
65°		3670.1	3715.6	4128.9	4853.1	5505.3	5088.2	5027.5	
70°		2820.3	2895.3	3326.3	4207.1	4764.6	4530.4	4535.0	
75°		2067.9	2129.7	2513.6	3498.0	4172.6	4036.6	3999.5	
80°		1642.6	1688.5	1919.3	2675.8	3479.0	3451.3	3266.7	
85°		1691.5	1673.4	1764.8	2297.9	2739.6	2739.6	2316.8	

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**Luminance values in cd/m<sup>2</sup>**     γ 65°   γ 70°   γ 75°   γ 80°   γ 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] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	254	5500	30.9	36.5	33.7
95	241	252	5228	29.3	34.7	32.0
90	228	250	4956	27.9	32.9	30.4
85	215	248	4684	26.4	31.1	28.8
80	202	246	4408	25.0	29.2	27.1
75	189	243	4133	23.6	27.5	25.6
70	176	241	3854	22.1	25.8	24.0
65	163	238	3577	20.6	24.1	22.4
60	150	235	3296	19.1	22.4	20.8
55	137	231	3016	17.5	20.5	19.0
50	125	228	2754	16.1	18.9	17.5
45	112	224	2472	14.5	17.0	15.8
40	100	220	2208	13.0	15.3	14.2
35	87	215	1924	11.7	13.5	12.6
30	75	209	1658	10.7	11.8	11.2
25	62	202	1371	9.2	10.5	9.8
20	50	194	1104	7.8	8.9	8.4
15	37	183	816	6.3	7.0	6.6