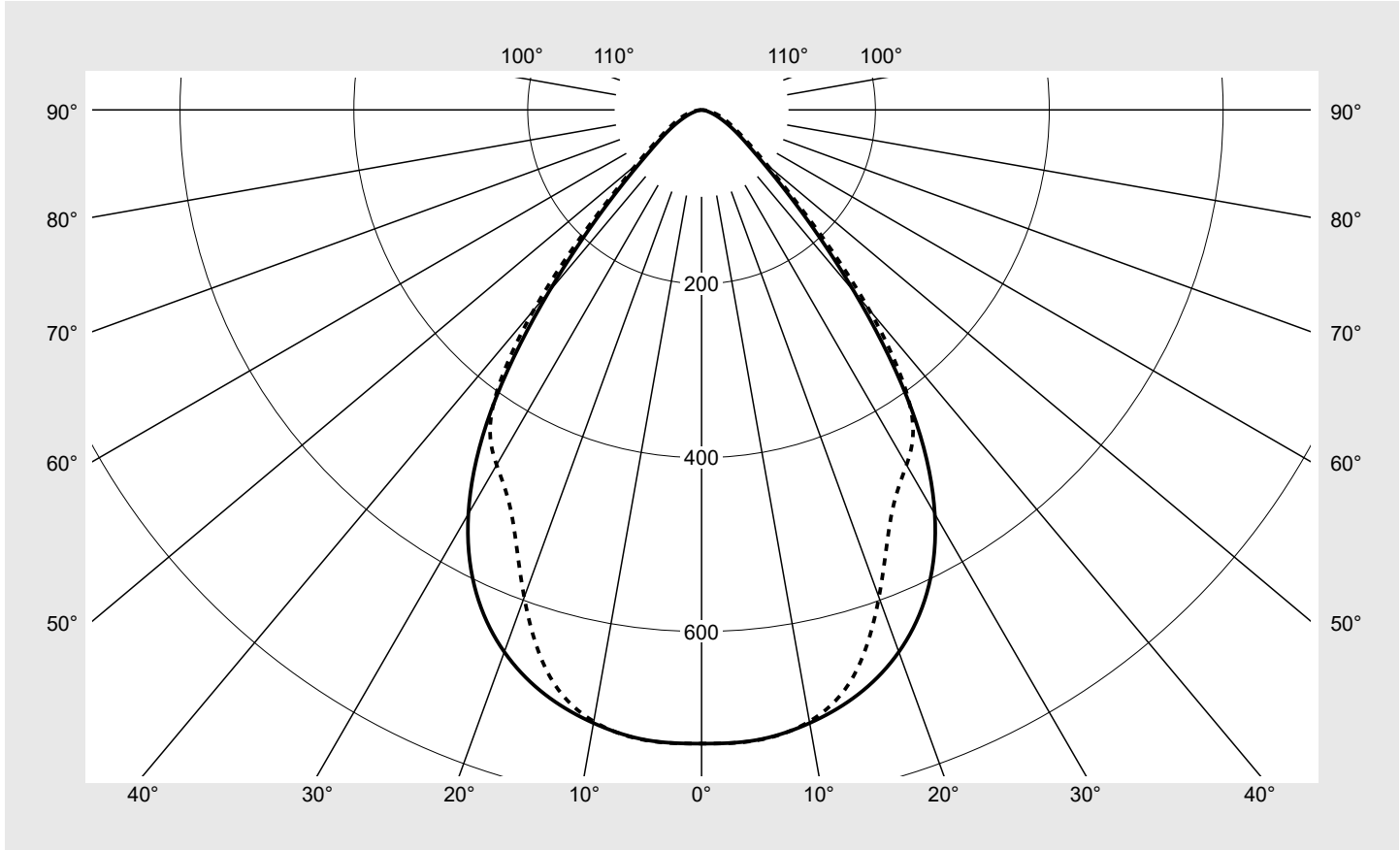


# Photometric test report

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TL18DN495G</b> <b>EAN: 4058352891360</b>	<b>LP number</b> <b>59103_242</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 = 9990 lm Power consumption = 58.0 W Luminous efficacy = 172.2 lm/W	<b>serial documentation</b> <b>03.08.2023</b>

siteco

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: 52TL18DN495G</b> <b>EAN: 4058352891360</b>	<b>LP number</b> <b>59103_242</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

Family <b>Licross® 21 Recessed</b>	Order number: <b>52TL18DN495G</b> EAN: <b>4058352891360</b>	LP number <b>59103_242</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	20.2	21.6	20.6	21.9	22.2	20.9	22.2	21.2	22.5	22.9
	3H	20.4	21.6	20.8	21.9	22.3	21.3	22.5	21.6	22.8	23.1
	4H	20.4	21.5	20.8	21.9	22.2	21.4	22.5	21.8	22.9	23.3
	6H	20.4	21.4	20.8	21.8	22.2	21.5	22.5	22.0	22.9	23.3
	8H	20.5	21.3	20.9	21.7	22.1	21.6	22.5	22.1	22.9	23.3
	12H	20.5	21.3	20.9	21.7	22.1	21.6	22.5	22.1	22.9	23.3
4H	2H	20.4	21.5	20.8	21.8	22.2	21.0	22.1	21.4	22.4	22.8
	3H	20.6	21.5	21.0	21.9	22.3	21.5	22.4	21.9	22.8	23.2
	4H	20.7	21.5	21.1	21.9	22.3	21.8	22.6	22.2	23.0	23.4
	6H	20.7	21.4	21.2	21.8	22.3	22.0	22.7	22.4	23.1	23.6
	8H	20.7	21.3	21.2	21.8	22.2	22.0	22.6	22.5	23.1	23.6
	12H	20.7	21.2	21.2	21.7	22.2	22.1	22.6	22.6	23.1	23.6
8H	4H	20.7	21.4	21.2	21.8	22.3	21.8	22.4	22.3	22.9	23.3
	6H	20.8	21.3	21.3	21.8	22.3	22.0	22.6	22.5	23.0	23.5
	8H	20.8	21.2	21.3	21.7	22.3	22.1	22.6	22.6	23.1	23.6
	12H	20.8	21.2	21.3	21.7	22.2	22.2	22.6	22.7	23.1	23.6
12H	4H	20.8	21.3	21.3	21.8	22.3	21.8	22.3	22.3	22.8	23.3
	6H	20.8	21.2	21.3	21.7	22.3	22.0	22.5	22.6	23.0	23.5
	8H	20.8	21.2	21.3	21.7	22.2	22.1	22.5	22.7	23.0	23.6

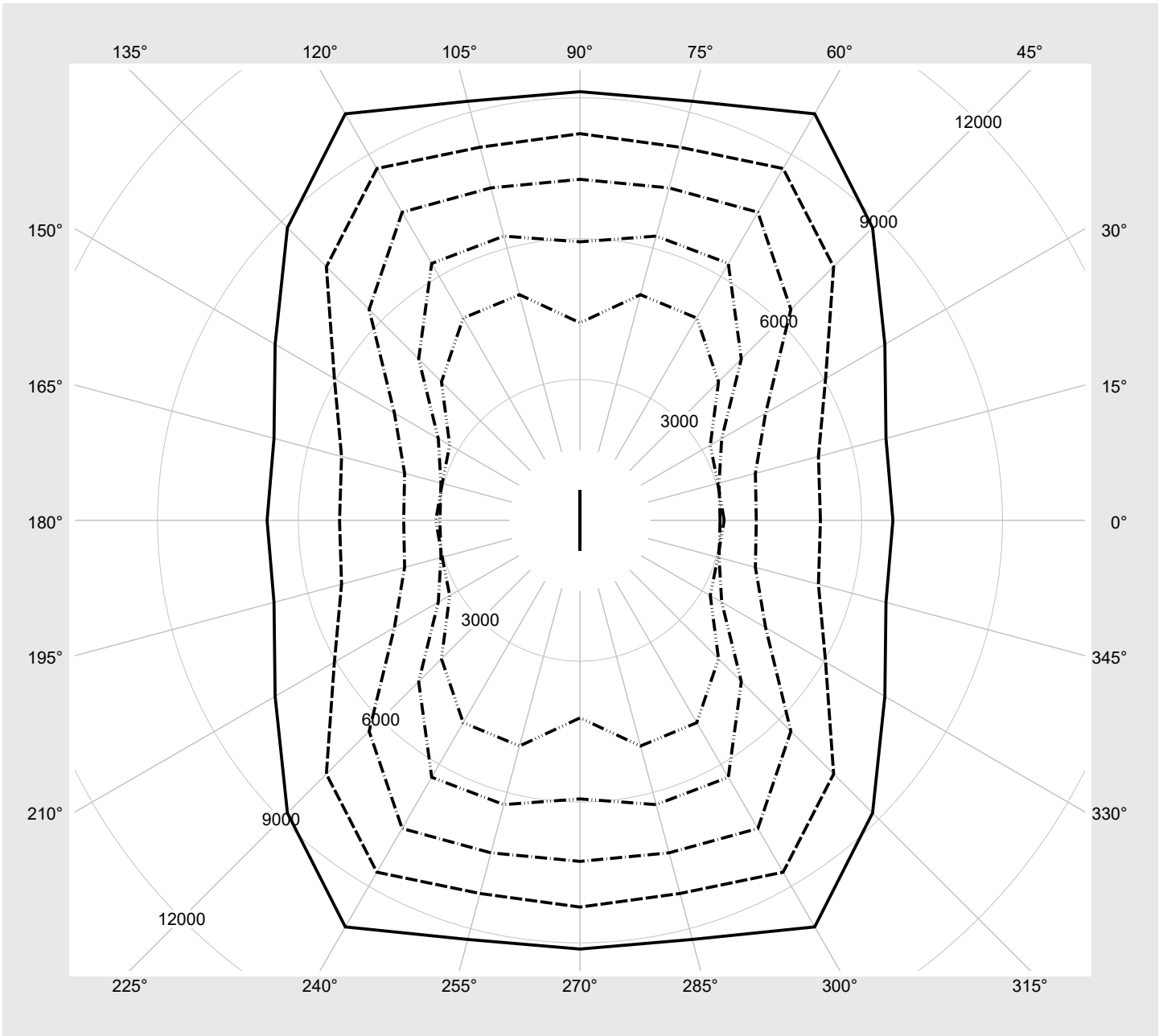
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1500</b>
			<b>B = 58</b>

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°		24910.1	24029.3	21465.0	23765.9	26729.4	27264.4	27223.3	
50°		15566.9	15363.0	15793.2	17043.0	18849.6	18215.6	17568.2	
55°		11305.5	11046.6	11645.4	13862.8	14953.8	13720.8	12929.0	
60°		8673.2	8580.1	9086.5	10611.4	12026.1	10908.4	10489.3	
65°		6666.3	6748.9	7499.6	8814.9	9999.6	9242.1	9131.7	
70°		5122.6	5258.9	6041.9	7641.6	8654.2	8228.8	8237.2	
75°		3756.0	3868.3	4565.7	6353.7	7579.0	7331.9	7264.5	
80°		2983.6	3067.0	3486.2	4860.3	6319.1	6268.8	5933.5	
85°		3072.4	3039.5	3205.5	4173.8	4976.2	4976.2	4208.1	

**Photometric test report**

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TL18DN495G</b> <b>EAN: 4058352891360</b>	<b>LP number</b> <b>59103_242</b>
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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: 52TL18DN495G</b> <b>EAN: 4058352891360</b>	<b>LP number</b> <b>59103_242</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	9990	58.0
95	240	252	9487	54.8
90	226	250	8978	51.5
85	213	248	8499	48.7
80	199	245	7979	45.5
75	186	243	7488	42.6
70	173	240	6995	39.6
65	160	237	6498	36.8
60	147	234	5996	33.9
55	134	231	5488	31.0
50	122	227	5013	28.4
45	109	223	4496	25.5
40	97	219	4016	22.9
35	84	213	3489	20.1
30	72	208	2999	17.5
25	60	201	2505	15.0
20	48	193	2007	12.3
15	36	182	1507	9.7
10	24	168	1002	7.2
5	12	142	495	4.6
2	4	102	154	3.0